TV Tracking #1214 (Semi-Annual)
TV Tracking #1215 (Annual)

1. ☐ RECEIVED IN ENFORCEMENT: 04/28/2025

SAN FRANCISCO INTERNATIONAL AIRPORT

April 23, 2025

Director of Compliance and Enforcement
Bay Area Air District
375 Beale Street, Suite 600
San Francisco, CA 94105

TRANSMITTED VIA EMAIL
compliance@baaqmd.gov

Attn: Title V Reports

Subject: San Francisco International Airport (SFO) Facility #A1784
Annual Compliance Certification, April 1, 2024 – March 31, 2025
Semi-Annual Monitoring Report, October 1, 2024 – March 31, 2025

Dear Director of Compliance and Enforcement:

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

Sincerely,

Mike Nakornkhet
Airport Director

Enclosure

cc: Director of the Air Division, US EPA, Region 9, AEO_R9@epa.gov
Dick Hansen Rodriguez, BAAQMD, hrodriguez@baaqmd.gov

AIRPORT COMMISSION CITY AND COUNTY OF SAN FRANCISCO

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SAN FRANCISCO INTERNATIONAL AIRPORT

Major Facility Review Permit #A1784

April 1, 2024 – March 31, 2025
Annual Compliance Certification
and
October 1, 2024 – March 31, 2025
Semi-Annual Monitoring Report

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1. COMPLIANCE STATEMENT

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

Facility ID: A1784

Reporting Periods: **October 1, 2024 to March 31, 2025 (Semi-Annual Report)**
April 1, 2024 to March 31, 2025 (Annual Compliance Certification)

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

4/23/2025
Date

Mike Nakornkhet
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 October 1, 2024 -March 31, 2025 period. This report also meets the requirements for the April 1, 2024 to March 31, 2025 annual compliance certification period.

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

Attachment 2 - Visible Emissions Evaluation Report for Sources S-330, S-380, S-410, S-430, S-460, S-480, and S-520.

Attachment 3 - H2S Hydrogen Sulfide Monitoring provides the results of monthly monitoring of hydrogen sulfide (H2S) for Source S-170. 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 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 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 District ("BAAD") did not issue any Notices of Violation ("NOV") to the Airport and the Airport had no new instances of non-compliance.

NOVs received and reported during the previous annual reports and not yet resolved include NOV Nos. A62879 and A62881, issued on August 23, 2023. Additional follow up information about these NOVs is included below. The required reports were submitted to BAAD in accordance with 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 Source 570 was removed and placed back into storage. Source 1025 is anticipated to be repaired by September 2025. Until Source 1025 is repaired, Source 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 BAAD 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 #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 three 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 and referenced Notice of Violation A62881 on the application for each unit. The applications were submitted on September 19, 2023.

Status of Registration: CARB subsequently issued Registrations for four portable generators on January 1, 2024. Three 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.

Status for engines that do not meet standards: Four of SFOs unpermitted portable pump engines and three of the unpermitted generator engines do not meet emission standards for Certified Diesel-fueled Non-Road Engines are not able to be registered under CARB's PERP or otherwise permitted. Two of the four pump engines were denied by CARB as being Tier-4 Interim after SFO submitted initial applications. These seven engines that do not meet emission standards (four pump and three generator) were auctioned off and/or decommissioned, respectively.

Next Steps: SFO followed up with CCSF and CARB on the status of the pending three portable pump engine Registration applications. One of the engines was previously missing the nameplate with engine family number. The manufacturer provided a new nameplate in October 2024. SFO provided CCSF updated forms and photos for the pump with the missing nameplate. SFO anticipates obtaining the Registrations by July 1, 2025, pending action by CARB.

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. The 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. 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-17 has been out of service since October 27, 2022.

- ***Sources S-400, S-420, S-440, S-450, S-500, S-540***

  These sources are required to have 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. SFO has issued a contract service order to perform this work by July 30, 2025.

- ***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. On December 3, 2024, the contractor attempted to perform a source test. The SCR malfunctioned and SFO staff were unable to make repairs. SFO Engineering staff contacted the manufacturer of the SCR for troubleshooting guidance. It was determined that a site visit by the manufacturer was required to troubleshoot the problem. SFO expects to have the contractor out to troubleshoot the system by July 30, 2025.

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

  In November 2022, SFO submitted Application #31974 to BAAD 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 BAAD inspector was onsite in August 2023, and was made aware of the construction, operation, and pending application status. Airport staff have timely responded to all BAAD 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 BAAD permit engineers. On July 18, 2024, BAAD staff advised that this additional information has not been reviewed and to date, the application has not been deemed complete. In March 2025 the application was assigned to a new permit engineer. SFO staff and the permit engineer met on March 28, 2025. SFO received an incomplete letter from BAAD on April 14, 2025.

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

4. **COMPLIANCE SCHEDULE**:

For reporting purposes, Tables IV-A through IV-J and Tables VII-A through VII-J have been copied from the current facility permit, and a column has been added to indicate compliance status, which is noted by the abbreviations explained in this paragraph. Abbreviation CC indicates that the source was in continuous compliance for the reporting period. Abbreviation NC indicates that the source was in non-compliance sometime 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 4.

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)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-107	Combination of Emissions	N	Y
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-107	Combination of Emissions	Y	Y

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**	Y	Y
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**	Y	Y
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (7/20/05)**	Y	Y
8-2-301	Miscellaneous Operations	Y	Y
SIP Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (3/22/95)**	Y	Y
8-2-301	Miscellaneous Operations	Y	Y
BAAD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		Y
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-302	General Emission Limitations	Y	Y
BAAD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/1999)**		Y
9-2-301	Limitations on Hydrogen Sulfide	N	Y
BAAD Condition # 18329			
Part 4	S1 abates emissions from S170 at all times (basis: 1-301, 8-2-301)	Y	CC
Part 5	Flare recordkeeping (basis: 2-6-409.2)	Y	CC

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
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)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAD Regulation 8, Rule 1	**Organic Compounds – General Solvent and Surface Coating Operations (8/15/94)**		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	Y
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	Y
8-1-322	Spray Equipment Clean-up Limitation	Y	Y

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)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 8, Rule 19	**Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)**		
8-19-302	Limits	Y	Y
8-19-302.2	Air-Dried Coatings	Y	Y
8-19-307	Prohibition of Specification	Y	Y
8-19-312	Specialty Coating Limitations	Y	Y
8-19-312.2	High Gloss	Y	Y
8-19-312.3	Heat Resistant	Y	Y
8-19-312.4	High Performance Architectural	Y	Y
8-19-312.5	Metallic Topcoat	Y	Y
8-19-312.7	Pretreatment Wash Primer	Y	Y
8-19-312.8	Silicone Release	Y	Y
8-19-312.9	Solar 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)	4/1/2024 through 3/31/25 compliance status
BAAD Condition # 7502			
Part 1	Coating usage limit [basis: Cumulative Increase]	Y	CC
Part 2	Net solvent usage limit [basis: Cumulative Increase]	Y	CC
Part 3	Recordkeeping [basis: Cumulative Increase]	Y	CC

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
BAAD Condition # 7502			
Part 4	Coating usage limit [basis: Cumulative Increase]	Y	CC
Part 5	Net solvent usage limit [basis: Cumulative Increase]	Y	CC
Part 6	Recordkeeping [basis: Cumulative Increase]	Y	CC

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
6-1-310.3	0.15 grain per dscf at 6% O_2	N	Y
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
6-310.3	0.15 grain per dscf at 6% O_2	Y	Y
BAAD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-302	General Emission Limitations	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
BAAD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)**		
9-7-113	Limited Exemption, Natural Gas Curtailment and Testing	N	Y
9-7-114	Limited Exemption, Tune-Up	N	Y
9-7-115	Limited Exemption, Startup and Shutdown	N	Y
9-7-301	Interim Emissions Limit, Gaseous Fuel	N	Y
9-7-301.1	Performance Standard, 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

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)	4/1/2024 through 3/31/25 compliance status
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
SIP Regulation 9, Rule 7	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)**		
9-7-301	Emissions Limit, Gaseous Fuel	Y	Y
9-7-301.1	Performance Standard, NOx	Y	Y
9-7-301.2	Performance Standard, CO	Y	Y
9-7-305	Natural Gas Curtailment – Non-Gaseous-Fuel	Y	Y
9-7-305.1	Performance Standard, NOx	Y	Y
9-7-305.2	Performance Standard, CO	Y	Y
9-7-306	Equipment Testing - Non-Gaseous Fuel	Y	Y
9-7-306.1	Performance Standard, NOx	Y	Y
9-7-306.2	Performance Standard, CO	Y	Y
9-7-306.3	Operating Standard, Equipment Testing	Y	Y
9-7-503	Records	Y	Y
9-7-503.2	Documentation verifying natural gas unavailable for use	Y	Y
9-7-503.3	Documentation of hours of equipment testing	Y	Y

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)	4/1/2024 through 3/31/25 compliance status
9-7-503.4	Source Testing Results	Y	NC
BAAD Condition # 24716	**Applicable to S14 and S15**		
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
BAAD Condition # 25080	**Applicable to S16 and S17**		
Part 1	Fire exclusively with natural gas [basis: Cumulative Increase]	Y	CC
Part 2	Annual and hourly firing rate limits [basis: Cumulative Increase]	Y	CC
Part 3	Natural gas meter and recordkeeping requirements [basis: Cumulative Increase]	Y	CC
Part 4	NOx emission limits [basis: Cumulative Increase, BACT]	Y	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)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**	Y	Y
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (6/15/94)**		
8-2-301	Miscellaneous Operations Standards	Y	Y
BAAD Condition # 18329			
Part 1	Industrial Wastewater Discharge Limit (basis: Regulation 2-1-234)	Y	CC
Part 2	Sanitary Sewer Discharge Limit (Regulation 2-1-234)	Y	CC
Part 3	Recordkeeping (basis: Regulation 2-6-409.2)	Y	CC

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	Y
6-1-305	Visible Particles	N	Y
6-1-310	Particulate Weight Limitation	N	Y
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (6/15/94)**		
8-2-301	Miscellaneous Operations Standards	Y	Y
BAAD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations of Hydrogen Sulfide	N	Y
BAAD Condition # 18329			
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)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-303.1	Ringelmann No. 2 Limitation	N	Y
6-1-310	Particulate Weight Limitation	N	Y
6-1-401	Appearance of Emissions	N	Y
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	Y
SIP Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y
BAAD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-302	General Emission Limitations on SO2	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
BAAD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)**		
9-8-110.5	Exemptions: Emergency Standby Engines	N	Y
9-8-331.1	Emergency Standby Engines, Hours of Operation	N	Y
9-8-331.2	Emergency Standby Engines, Hours of Operation	N	Y
9-8-331.3	Emergency Standby Engines, Hours of Operation	N	Y
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	Y
9-8-530.1	Hours of operation (total)	N	Y
9-8-530.2	Hours of operation (emergency)	N	Y
9-8-530.3	Nature of emergency condition	N	Y

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	Y
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	Y
93115.5(b)(1)	Must use CARB Diesel Fuel	N	Y
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(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 $\leq$ 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 $\leq$ 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 $\leq$ 0.01 g/bhp-hr	N	Y
93115.6 (b)(3)(B)(1)	Additional Standards. Meet the applicable HC, NOx, NMHC+NOx, and CO standards for off-road engines of the same model year and maximum rated power as specified in the Off-Road Compression Ignition Engine Standards (title 13, CCR, section 2423).	N	Y
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	Y

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 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 Cl 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
BAAD Condition # 18324			
Part 2a	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-331]	N	CC
Part 2b	Hours of operation limit for emergency use [basis: Regulation 9-8-331]	N	CC
Part 3a	Monitoring [basis: Regulation 9-8-530]	Y	CC
Part 3b	Recordkeeping [basis: Regulation 9-8-503]	Y	CC
Part 4	Fuel Oil Certification [basis: Regulation 2-6-409.2]	Y	CC
BAAD 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)	4/1/2024 through 3/31/25 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)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-303.1	Ringelmann No. 2 Limitation	N	Y
6-1-310	Particulate Weight Limitation	N	Y
6-1-401	Appearance of Emissions	N	Y
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	Y
SIP Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles	Y	Y
6-310	Particulate Weight Limitation	Y	Y

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)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
BAAD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)**		
9-8-110.5	Exemptions: Emergency Standby Engines	N	Y
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	Y
9-8-330.2	Emergency Standby Engines, Hours of Operation	N	Y
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	Y
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	Y
9-8-530.1	Hours of operation (total)	N	Y
9-8-530.2	Hours of operation (emergency)	N	Y
9-8-530.3	Nature of emergency condition	N	Y
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	Y
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	Y
93115.5(b)(1)	Must use CARB Diesel Fuel	N	Y
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(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)	4/1/2024 through 3/31/25 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 ≥ 0.40 g/bhp-hr,	N	Y
93115.6(b)(3)(A)(1)(b)	Operating for maintenance and testing limited to 30 hrs/year when PM emitted at a rate < 0.40 g/bhp-hr	N	Y
93115.6(b)(3)(A)(2)(b)	Operating for maintenance and testing limited to 50 hrs/year when PM emitted at a rate < 0.15 g/bhp-hr	N	Y
93115.6(b)(3)(A)(2)(c)	Operating for maintenance and testing limited to 100 hrs/year when PM emitted at a rate < 0.01 g/bhp-hr	N	Y
93115.6 (b)(3)(B)(1)	Additional Standards. Meet the applicable HC, NOx, NMHC+NOx, and CO standards for off-road engines of the same model year and maximum rated power as specified in the Off-Road Compression Ignition Engine Standards (title 13, CCR, section 2423).	N	Y
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	Y
93115.10(e)	Monitoring Equipment	N	Y
93115.10 (e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	Y
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	Y
93115.13	ATCM for Stationary CI Engines – Compliance Demonstration	N	Y
93115.13(a)	Demonstrate Compliance with the following sources of data:	N	Y
93115.13 (a)(1)	...off-road engine certification test data for the stationary diesel-fueled Cl 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

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)	4/1/2024 through 3/31/25 compliance status
93115.13 (a)(5)	An alternative compliance demonstration as described in section 93115.13(f).	N	Y
93115.15	Severability	N	Y
BAAD Condition # 18666			
Part 2a	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-330]	N	CC
Part 2b	Hours of operation limit for emergency use [basis: Regulation 9-8-330]	N	CC
Part 3a	Monitoring [basis: Regulation 9-8-530]	Y	CC
Part 3b	Recordkeeping [basis: Regulation 9-8-530]	Y	CC
Part 4	Fuel Oil Certification [basis: Regulation 2-6-409.2]	Y	CC
BAAD 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)	4/1/2024 through 3/31/25 compliance status
BAAD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-303.1	Ringelmann No. 2 Limitation	N	Y
6-1-310	Particulate Weight Limitation	N	Y
6-1-401	Appearance of Emissions	N	Y
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	Y
SIP Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	Y	
6-303	Ringelmann No. 2 Limitation	Y	Y
6-305	Visible Particles		Y
6-310	Particulate Weight Limitation	Y	Y
BAAD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	Y
BAAD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)**		
9-8-110.5	Exemptions: Emergency Standby Engines	N	Y
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	Y
9-8-330.2	Emergency Standby Engines, Hours of Operation	N	Y
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	Y
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	Y
9-8-530.1	Hours of operation (total)	N	Y
9-8-530.2	Hours of operation (emergency)	N	Y
9-8-530.3	Nature of emergency condition	N	Y
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		

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S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	Y
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	Y
93115.5(b)(1)	Must use CARB Diesel Fuel	N	Y
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	Y
93115.6(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

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
93115.6 (b)(3)(B)(1)	Additional Standards. Meet the applicable HC, NOx, NMHC+NOx, and CO standards for off-road engines of the same model year and maximum rated power as specified in the Off-Road Compression Ignition Engine Standards (title 13, CCR, section 2423).	N	Y
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	Y
93115.10(e)	Monitoring Equipment	N	Y
93115.10 (e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	Y
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	Y
93115.13	ATCM for Stationary CI Engines – Compliance Demonstration	N	Y
93115.13(a)	Demonstrate Compliance with the following sources of data:	N	Y
93115.13 (a)(1)	...off-road engine certification test data for the stationary diesel-fueled Cl engine,	N	Y
93115.13 (a)(2)	...engine manufacturer test data,	N	Y
93115.13 (a)(3)	... emissions test data from a similar engine,	N	Y
93115.13 (a)(4)	...emissions test data used in meeting the requirements of the Verification Procedure for the emission control strategy implemented, or	N	Y
93115.13 (a)(5)	An alternative compliance demonstration as described in section 93115.13(f).	N	Y
93115.15	Severability	N	Y
40 CFR 60 Subpart IIII	**Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (7/11/2006) Applies to S680, S690, S700 and S710 only**		
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

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
60.4202	Emission standards for emergency stationary CI ICE manufacturers [required by 60.4205(b)]	Y	Y
60.4202(a)	Emission standards for 2007 model year or later and HP < 3000 and displacement < 10 liters/cylinder comply with.(a)(1) or (a)(2)	Y	Y
60.4202(a)(2)	HP>50 comply with emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007	Y	Y
60.4205	Emission standards for emergency stationary CI ICE	Y	Y
60.4205(b)	2007 model year and later with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202	Y	Y
60.4206	Meet emission standards for the life of the engine	Y	Y
60.4207	Fuel requirements for stationary CI ICE	Y	Y
60.4207(b)	For displacement < 30 liters/cylinder, use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel	Y	Y
60.4209	Monitoring requirements for stationary CI ICE	Y	Y
60.4209(a)	Install a non-resettable hour meter prior to the startup of an emergency engine	Y	Y
60.4209(b)	Diesel particulate filter must be installed with backpressure monitor to indicate when the high backpressure limit of the engine is approached	Y	Y
60.4211	Owner/operator compliance requirements for IC ICE		Y
60.4211(a)(1)	Operate and maintain stationary CI ICE and control device per manufacturer's emission related written instructions.	Y	Y
60.4211(a)(2)	Change only those emission-related settings that are permitted by the manufacturer.	Y	Y
60.4211(a)(3)	Meet the requirements of 40 CFR parts 89, 94 and/or 1068	Y	Y
60.4211(c)	Owner/operator of 2007 model year or later must install and configure engine according to the manufacturer's emission-related specifications		Y
60.4211(f)	Operation for maintenance and readiness checks are limited to 100 hours per year. No limit on emergency use. Any operation other than for maintenance, readiness checks, or emergencies is prohibited.	Y	Y

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
60.4211(g)	Alternative compliance determination if owner/operator does not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions		Y
60.4214	Notification, reporting, and recordkeeping requirements for stationary CI ICE	Y	Y
60.4214(b)	Initial notification is not required for emergency engines.	Y	Y
60.4214(c)	Maintain records of any corrective action taken if backpressure monitor indicates that high backpressure limit has been approached	Y	Y
40 CFR 63 Subpart ZZZZ	**NESHAPS for Stationary Reciprocating Internal Combustion Engines (3/3/2010)** **Applies to S680, S690, S700 and S710 only**		
63.6585	Applicability stationary RICE at a major or area source of HAP emissions	Y	Y
63.6585(a)	Definition: stationary RICE	Y	Y
63.6585(c)	Definition: area source of HAPs	Y	Y
63.6590	Affected sources	Y	Y
63.6590(a)	Affected source is any existing, new, or reconstructed stationary RICE located at major or area source of HAP emissions	Y	Y
63.6590(a)(1)	Existing stationary RICE is:	Y	Y
63.6590(a)(1)(iii)	Located at an area source of HAP emissions, constructed before 6/12/2006	Y	Y
63.6590(a)(2)	New stationary RICE is:	Y	Y
63.6590(a)(2)(iii)	Located at an area source of HAP emissions, constructed on or after 6/12/2006		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

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
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
BAAD Condition 22336	Applies to S-660		
Part 1	Diesel fuel sulfur content limit and certification requirements [basis: Cumulative Increase]	Y	CC
Part 2	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-330, Cumulative Increase]	Y	CC
Part 3	Emergency conditions definition [basis: Regulation 9-8-231]	Y	CC
Part 4	Reliability related activities definition [basis: Regulation 9-8-232]	Y	CC
Part 5	Totalizing Meter requirements [basis: Regulation 9-8-530]	Y	CC
Part 6	Recordkeeping requirements [basis: Regulation 9-8-530, 1-441]	Y	CC
BAAD Condition 22356	Applies to S-640		
Part 1	Diesel fuel sulfur content limit and certification requirements [basis: Cumulative Increase, BACT]	Y	CC
Part 2	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-330, Cumulative Increase]	Y	CC
Part 3	Emergency conditions definition [basis: Regulation 9-8-231]	Y	CC
Part 4	Reliability related activities definition [basis: Regulation 9-8-232]	Y	CC
Part 5	Totalizing Meter requirements [basis: Regulation 9-8-530]	Y	CC
Part 6	Recordkeeping requirements [basis: Regulation 9-8-530, 1-441]	Y	CC
BAAD Condition 22357	Applies to S-650		
Part 1	Diesel fuel sulfur content limit and certification requirements [basis: Cumulative Increase, BACT]	Y	CC

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
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
BAAD Condition 22820	Applies to S-680 and S-710		
Part 1	Hours of operation limit for reliability-related activities [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	CC
Part 2	Emergency use [basis: Regulation 9-8-330, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	CC
Part 3	Totalizing Meter [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(e)(1)]	Y	CC
Part 4	Recordkeeping [basis: Regulation 2-6-501, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(g)]	Y	CC
Part 5	At School or Near School Operation [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(2)]	Y	CC
BAAD Condition 22825	Applies to S-690 and S-700		
Part 1	Hours of operation limit for reliability-related activities [basis: Regulation 2-5]	Y	CC
Part 2	Emergency use [basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]	Y	CC
Part 3	Totalizing Meter [[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]	Y	CC

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	4/1/2024 through 3/31/25 compliance status
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
BAAD Condition 22850	Applies to S-670 and S-720		
Part 1	Hours of operation limit for reliability-related activities [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]]	Y	CC
Part 2	Emergency use [basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]	Y	CC
Part 3	Totalizing Meter [[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]	Y	CC
Part 4	Recordkeeping [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or, Regulation 2-6-501)]	Y	CC
Part 5	At School or Near School Operation [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(1)] or (e)(2)(B)(2)]	Y	CC

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	4/1/2024 through 3/31/25 compliance status
Opacity	BAAD 6-1-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAD 6-1-401	P/E	Visible Emissions Check	CC
FP	BAAD 6-1-310	Y		0.15 gr/dscf	BAAD 6-1-401	P/E	Visible Emissions Check	CC
SO2	BAAD 9-1-301	Y		GLC[1] ≤0.5 ppm for 3 min or ≤ 0.25 ppm for 60 min or ≤ 0.05 ppm for 24 hours	None	N	NA	NA
SO2	BAAD 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	4/1/2024 through 3/31/25 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_2S	BAAD 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	BAAD 9-2-501 9-2-602	C	Area Monitoring	NA The District has not notified SFO that the monitoring is required
POC	BAAD 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	BAAD 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	4/1/2024 through 3/31/25 compliance status
Opacity	BAAD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAD 6-1-401	P/E	Visible Emissions Check	Y
FP	BAAD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	BAAD 6-1-401	P/E	Visible Emissions Check	Y
VOC	BAAD 8-19-302	Y		Air-Dried Coatings VOC ≤ 340 g/l (2.8 lb/gal)	BAAD 8-19-501	P/E	Records	CC
VOC	BAAD 8-19-312.2	Y		Specialty Coating High Gloss VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 8-19-501	P/E	Records	CC
VOC	BAAD 8-19-312.3	Y		Specialty Coating Heat Resistant VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 8-19-501	P/E	Records	CC
VOC	BAAD 8-19-312.4	Y		Specialty Coating High Performance Architectural VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 8-19-501	P/E	Records	CC
VOC	BAAD 8-19-312.5	Y		Specialty Coating Metallic Topcoat VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 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	4/1/2024 through 3/31/25 compliance status
VOC	BAAD 8-19-312.7	Y		Specialty Coating Pretreatment Wash Primer VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 8-19-501	P/E	Records	CC
VOC	BAAD 8-19-312.8	Y		Specialty Coating Silicone Release VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 8-19-501	P/E	Records	CC
VOC	BAAD 8-19-312.9	Y		Specialty Coating Solar Absorbant VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 8-19-501	P/E	Records	CC
VOC	BAAD 8-19-312.12	Y		Specialty Coating Extreme Performance VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 8-19-501	P/E	Records	CC
VOC	BAAD 8-19-312.13	Y		Specialty Coating High Temperature VOC ≤ 420 g/l (3.5 lb/gal);	BAAD 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	4/1/2024 through 3/31/25 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	4/1/2024 through 3/31/25 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	4/1/2024 through 3/31/25 compliance status
NOx	SIP 9-7-301.1	Y		30 ppmv @ 3%O2, 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	4/1/2024 through 3/31/25 compliance status
NOx (S14 and S15)	Condition # 24716, Part 1	Y		9 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
NOx (S14 and S15)	Condition # 24716, Part 2	Y		100 ppmv @ 3%O2, dry, 3-hr average (fuel oil fired)	None	N	None	NA
NOx (S16 and S17)	Condition # 25080, Part 4	Y		9 ppmv @ 3%O2, dry, 3-hr average	Condition # 25080, Part 7	P/2	Source Test	Y
NOx	BAAD 9-7-307.5	N		9 ppmv @ 3%O2, dry, 3-hr average	BAAD 9-7-403 9-7-506	P/A	Source Test	Y
NOx (S14 and S15)	BAAD 9-7-113.2 SIP 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
NOx (S14 and S15)	BAAD9-7-113.2 SIP 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO	SIP 9-7-301.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO	BAAD 9-7-307.5	N		400 ppmv @ 3%O2, dry, 3-hr average	BAAD 9-7-403 9-7-506	P/A	Source Test	Y
CO	SIP 9-7-305.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO	SIP 9-7-306.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA

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	4/1/2024 through 3/31/25 compliance status
CO (S14 and S15)	Condition # 24716, Part 1	Y		50 ppmv @ 3%O2, dry, 3-hr average	None	N	None	NA
CO (S14 and S15)	Condition # 24716, Part 2	Y		50 ppmv @ 3%O2, dry, 3-hr average (fuel oil fired)	None	N	None	NA
CO (S16 and S17)	Condition # 25080, Part 5	Y		50 ppmv @ 3%O2, dry, 3-hr average	Condition # 25080, Part 7	P/2 years	Source Test	Y
Opacity (S14 and S15)	BAAD 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)	BAAD 6-1-310.3 SIP 6-310.3	Y		0.15 gr/dscf at 6% O2	Condition # 24716, Part 7	P/1000 gallons of Fuel Oil	Visible Emissions Check	NA
SO2	BAAD 9-1-301	Y		GLC[1] $\leq$0.5 ppm for 3 min or $\leq$0.25 ppm for 60 min or $\leq$0.05 ppm for 24 hours	None	N	None	NA
SO2	BAAD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	None	N	None	NA
SO2	BAAD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 24716, Part 6	P/E	Fuel Oil Certification	Y
Heat Input (S14 and S15)	Condition # 24716, Part 3	Y		Natural Gas not to exceed 4,500,000 therms/Consecutive 12-months	Condition # 24716, Part 4	P/M	Records	CC
Heat Input	Condition # 25080,	Y		Natural Gas not to exceed 1,217,260	Condition # 25080, Part 3	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	4/1/2024 through 3/31/25 compliance status
(S16)	Part 2			therms/Consecutive 12-months				
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
Equip-ment Testing	BAAD9-7-113.1 SIP 9-7-306.3	Y		Hours of Equipment Testing $\leq$ 48/yr	BAAD 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	4/1/2024 through 3/31/25 compliance status
Opacity	BAAD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAD 6-1-401	P/E	Visible Emissions Check	Y
FP	BAAD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	BAAD 6-1-401	P/E	Visible Emissions Check	Y
VOC	BAAD 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	None	NA
Through-put	BAAD 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	BAAD Condition # 18329 Part 3	P/D & P/M	Records	CC
Through-put	BAAD Condition # 18329 Part 2	Y		Sanitary Sewer Discharge < 2.2 E6 gal/day	BAAD 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	4/1/2024 through 3/31/25 compliance status
Opacity	BAAD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAD 6-1-401	P/E	Visible Emissions Check	CC
FP	BAAD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	BAAD 6-1-401	P/E	Visible Emissions Check	Y
VOC	BAAD 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	None	NA
Odors	BAAD 1-301	N		None	BAAD Condition # 18329 Part 5	P/E	Records	CC
H_2S	BAAD Regulation 9-2-301	N		0.06 ppm H2S over 3 min or 0.03 ppm H2S over 60 min	None	N	None	NA

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	4/1/2024 through 3/31/25 compliance status
Digester Gas Sulfur Content	BAAD Condition 18329 Part 6	Y		2,250 ppm	BAAD 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	4/1/2024 through 3/31/25 compliance status
Opacity	BAAD 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	BAAD 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	BAAD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 18324, Part 4	P/E	Fuel Oil Certification	Y
SO2	BAAD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 18324, Part 4	P/E	Fuel Oil Certification	Y
SO2	BAAD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 18324, Part 4	P/E	Fuel Oil Certification	Y
Emergency	BAAD 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	BAAD 9-8-331.3 & Condition # 18324 Part 2a	N		Hours of Reliability Related Activities $\leq$ 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	4/1/2024 through 3/31/25 compliance status
Reli-ability 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	4/1/2024 through 3/31/25 compliance status
Opacity	BAAD 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	BAAD 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	BAAD 9-1-301	Y		GLC[1] 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	4/1/2024 through 3/31/25 compliance status
				for 24 hours				
SO2	BAAD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 18666, Part 4	P/E	Fuel Oil Certification	Y
SO2	BAAD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 18666, Part 4	P/E	Fuel Oil Certification	Y
Emer-gency	BAAD 9-8-330.1 & Condition # 18666 Part 2b	N		Unlimited Emergency Operation	BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records	CC
Reli-ability 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
Reli-ability Related Activities	BAAD 9-8-330.3 & Condition # 18666 Part 2a	N		Hours of Reliability Related Activities ≤ 50/yr	BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records	CC

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	4/1/2024 through 3/31/25 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	BAAD 6-1-303 SIP 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	BAAD 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	4/1/2024 through 3/31/25 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	BAAD 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	BAAD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	None	NA
SO2 S640	BAAD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22356, Part 1	P/E	Fuel Oil Certification	Y

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	4/1/2024 through 3/31/25 compliance status
SO2 S650	BAAD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22357, Part 1	P/E	Fuel Oil Certification	Y
SO2 S660	BAAD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22336, Part 1	P/E	Fuel Oil Certification	Y
SO2	BAAD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	None	N	None	NA
SO2 S640	BAAD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22356, Part 1	P/E	Fuel Oil Certification	Y
SO2 S650	BAAD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22357, Part 1	P/E	Fuel Oil Certification	Y
SO2 S660	BAAD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22336, Part 1	P/E	Fuel Oil Certification	Y
SO2	BAAD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	None	N	None	NA
SO2 S640	BAAD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 22356, Part 1	P/E	Fuel Oil Certification	Y
SO2 S650	BAAD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 22357, Part 1	P/E	Fuel Oil Certification	Y
SO2 S660	BAAD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 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 $\leq$ 0.05 wt% (CARB Diesel)	None	N	None	NA
SO2 S640	Condition # 22356, Part 1	Y		Sulfur Content of Fuel Oil $\leq$ 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 $\leq$ 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	4/1/2024 through 3/31/25 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	BAAD 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	4/1/2024 through 3/31/25 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	4/1/2024 through 3/31/25 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
10/17/2024	8:34	0	0	0	RH/AA
11/25/2024	9:33	0	0	0	RH/AA
12/2/2024	8:30	0	0	0	RH/AA
12/09/2024	7:25	0	0	0	RH/AA
12/16/2024	9:35	0	0	0	RH/KF
12/23/2024	9:20	0	0	0	RH/AA
12/30/2024	9:23	0	0	0	RH/AA
1/6/2025	8:27	0	0	0	RH/KF
1/13/2025	9:40	0	0	0	RH/KF
1/21/2025	9:10	0	0	0	RH/KF
1/27/2025	9:08	0	0	0	RH/KF
2/3/2025	10:33	0	0	0	RH/KF
2/10/2025	9:05	0	0	0	RH/KF
2/21/2025	8:05	0	0	0	RH/KF
2/26/2025	7:45	0	0	0	RH/KF
3/4/2025	9:25	0	0	0	RH/KF
3/11/2025	10:50	0	0	0	RH/KF
3/19/2025	8:30	0	0	0	RH/KF
3/26/2025	8:00	0	0	0	RH/KF

ATTACHMENT 2

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

SAN FRANCISCO I'NTL 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

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

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

Source I.D #	Source Description	Highest Period	Average Results
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

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: SFO	OBSERVATION DATE: 8/8/24	START TIME: 0903	END TIME: 0933
Street Address:			
City: SF	State: CA	Zip: 94128	
Phone: (650) 465-6263	Source ID Number: S-330 MB-N2		
Process Equipment: 375KW	Operating Mode: Normal ☐ Other ☐		
Control Equipment: —	Operating Mode: Normal ☐ Other ☐		
Describe Emissions Point: Stack Outlet			
Height Above Ground Level:	Height Relative To Observer: ~60'		
Distance from Observer: ~15'	Direction from Observer: W		
Describe Emissions: N/A - None present ☐ Upon start up			
Emission Color: NA ☐ BLK	Plume Type: Continuous ☐ Fugitive ☐ Attached ☐ Detached ☐ NA ☒ Intermittent ☐		
Water droplets present: No ☒ Yes ☐	IF Water Droplet Plume: Attached ☐ Detached ☐ NA ☒		
Point in the plume at which opacity was observed: NA ☒			
Describe Plume Background: Start: SKY Stop: " "			
Background Color: White	Sky Conditions: SCT		
Wind Speed: (mph) 0-10	Wind Direction: NE		
Ambient Temp: (°F) 66	Dew Point (°F):	RH %:	
Barometric Pressure (inches) 29.85	Wet bulb temp (°F) (calculated):		

Sec→ / Min↓	0	15	30	45	Sec→ / Min↓	0	15	30	45
1	0	0	2	0	31				
2	0	0	0	0	32				
3	0	1/2	1/2	1	33				
4	1	3/4	3/4	1/2	34				
5	1/2	1/2	1/2	1/2	35				
6	1/2	1/2	1/2	1/2	36				
7	1/2	1/4	1/4	1/4	37				
8	1/4	1/4	1/4	0	38				
9	0	0	0	0	39				
10	0	0	0	0	40				
11	0	0	0	0	41				
12	0	0	0	0	42				
13	0	0	0	0	43				
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25	0	0	0	0	55				
26	0	0	0	0	56				
27	0	0	0	0	57				
28	0	0	0	0	58				
29	0	0	0	0	59				
30	0	0	0	0	60				

Observers Name: (Print) Regan Best

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

Organization: Best Enviornmental

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

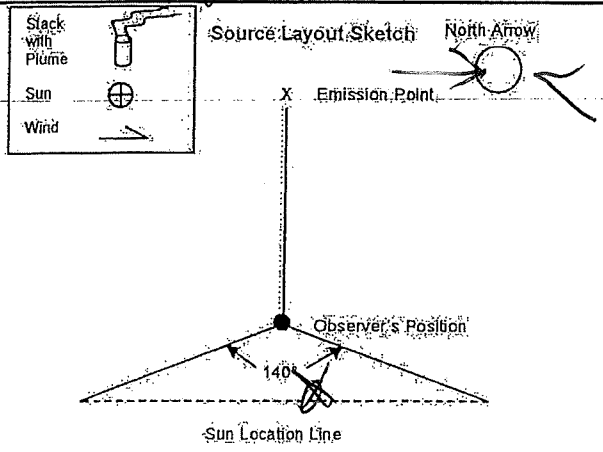
Range of Opacity Readings Minimum: 0 Maximum: 2

CONTINUED ON VEO Form Number #____ of ____ or NA ☒

Additional Information:

250 kw load

Source Layout Sketch



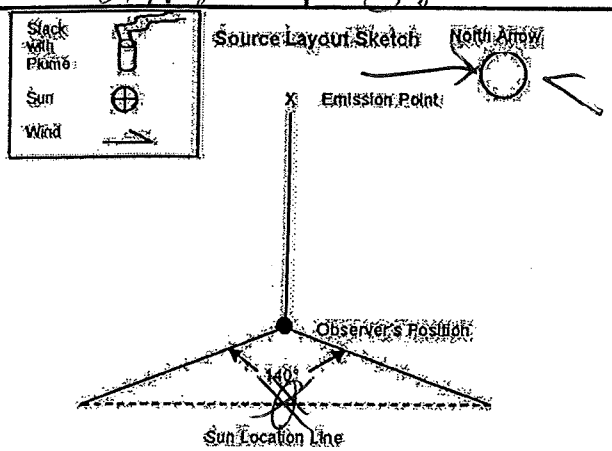
Visible Emission Observation Form

1 of 1

COMPANY NAME: SFO	OBSERVATION DATE: 8/6/24	START TIME: 0837 / END TIME: 0907
Street Address:		
City: SF / State: CA / Zip: 94128		
Phone: 650 821-7230	Source ID Number: 5380 North Field Cargo	
Process Equipment: 53.6 kW	Operating Mode: Normal ☐ Other ☐	
Control Equipment: —	Operating Mode: Normal ☐ Other ☐	
Describe Emissions Point: Stack Outlet		
Height Above Ground Level: ~6'	Height Relative To Observer: ~3'	
Distance from Observer: ~50'	Direction from Observer: W	
Describe Emissions: N/A - None present ☒		
Emission Color: NA ☒	Plume Type: Continuous ☐ Fugitive ☐ Attached ☐ Detached ☐ NA ☒ Intermittent ☐	
Water droplets present: No ☒ Yes ☐	IF Water Droplet Plume: Attached ☐ Detached ☐ NA ☒	
Point in the plume at which opacity was observed: NA ☒		
Describe Plume Background: Start: Bldg Stop: " "		
Background Color: Tan	Sky Conditions: : OVC	
Wind Speed: (mph): 0-3	Wind Direction: NE	
Ambient Temp: (°F): 61	Dew Point (°F):	RH %: 83
Barometric Pressure (inches): 29.95	Wet bulb temp (°F) (calculated): 58	

Sec→ / Min↓	0	15	30	45	Sec→ / Min↓	0	15	30	45
1	0	0	0	0	1				
2	0	0	0	0	2				
3	0	0	0	0	3				
4	0	0	0	0	4				
5	0	0	0	0	5				
6	0	0	0	0	6				
7	0	0	0	0	7				
8	0	0	0	0	8				
9	0	0	0	0	9				
10	0	0	0	0	10				
11	0	0	0	0	11				
12	0	0	0	0	12				
13	0	0	0	0	13				
14	0	0	0	0	14				
15	0	0	0	0	15				
16	0	0	0	0	16				
17	0	0	0	0	17				
18	0	0	0	0	18				
19	0	0	0	0	19				
20	0	0	0	0	20				
21	0	0	0	0	21				
22	0	0	0	0	22				
23	0	0	0	0	23				
24	0	0	0	0	24				
25	0	0	0	0	25				
26	0	0	0	0	26				
27	0	0	0	0	27				
28	0	0	0	0	28				
29	0	0	0	0	29				
30	0	0	0	0	30				

Source Layout Sketch — North Arrow



Observers Name: (Print): Regan Best

Observers Signature: Regan Best — Date: 8/6/24

Organization: Best Environmental

Certified By: CARB - ID# 92138 expires 08/26/24 — Date: 8/26/24

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: 8/6/24

START TIME: 1024

END TIME: 1054

Street Address:

City: SF | State: CA | Zip: 9412[illegible]

Phone: 650 821-7230 | Source ID Number: Parking S-410 Lot DD

Process Equipment: 275 KW | Operating Mode: Normal ☐ Other ☐

Control Equipment: — | Operating Mode: Normal ☐ Other ☐

Describe Emissions Point: Stack Outlet

Height Above Ground Level: ~8' | Height Relative To Observer: ~4'

Distance from Observer: ~20' | Direction from Observer: E

Describe Emissions: N/A - None present ☐ during startup

Emission Color: NA ☐ B/K | Plume Type: Continuous ☐ Fugitive ☐ Attached ☐ Detached ☐ NA ☒ Intermittent ☐

Water droplets present: No ☒ Yes ☐ | IF Water Droplet Plume: Attached ☐ Detached ☐ NA ☒

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

Describe Plume Background: Start: Ceiling Stop: " "

Background Color: Grey | Sky Conditions: : C/V

Wind Speed: (mph) N/A | Wind Direction: N/A

Ambient Temp: (°F) Cold | Dew Point (°F) | RH % 80

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

Sec→ / Min↓	0	15	30	45	Sec→ / Min↓	0	15	30	45
1	1	3/4	1/4	1/4	1				
2	1/4	1/4	0	0	2				
3	0	0	0	0	3				
4	0	0	0	0	4				
5	0	0	0	0	5				
6	0	0	0	0	6				
7	0	0	0	0	7				
8	0	0	0	0	8				
9	0	0	0	0	9				
10	0	0	0	0	10				
11	0	0	0	0	11				
12	0	0	0	0	12				
13	0	0	0	0	13				
14	0	0	0	0	14				
15	0	0	0	0	15				
16	0	0	0	0	16				
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25	0	0	0	0	25				
26	0	0	0	0	26				
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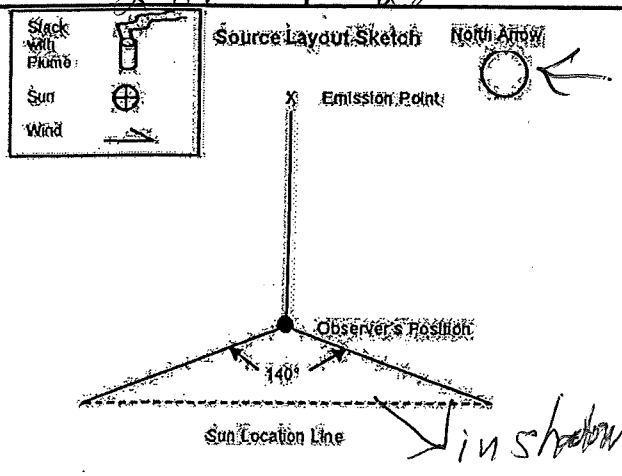
30	0	0	0	0	30				

Source Layout Sketch



Observers Name: (Print) Regan Best

Observers Signature: Regan Best | Date: 8/6/24

Organization: Best Environmental

Certified By: CARB - ID# 92138 expires 12/26/24 | Date: 8/6/24

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

Range of Opacity Readings Minimum: 0 Maximum: 1

CONTINUED ON VEO Form Number #_____ of _____ or NA ☒

Additional Information:

220 KW 10:19

Visible Emission Observation Form

1 of 1

COMPANY NAME: SFO

OBSERVATION DATE: 8/8/24

START TIME: 1058

END TIME: 1258

Street Address:

City: SF | State: CA | Zip: 94128

Phone: 650 821-7230 | Source ID Number: Southern S-430 Parking Garage

Process Equipment: 450 KW | Operating Mode: Normal ☐ Other ☐

Control Equipment: — | Operating Mode: Normal ☐ Other ☐

Describe Emissions Point: Stack Outlet

Height Above Ground Level: ~200' | Height Relative To Observer: ~121'

Distance from Observer: ~100 | Direction from Observer: W

Describe Emissions: N/A - None present ☐ — constant 1/4

Emission Color: NA ☐ Blk | Plume Type: Continuous ☐ Fugitive ☐ Attached ☐ Detached ☐ NA ☒ Intermittent ☐

Water droplets present: No ☒ Yes ☐ | IF Water Droplet Plume: Attached ☐ Detached ☐ NA ☒

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

Describe Plume Background: Start: Sky Stop: 11 11

Background Color: White | Sky Conditions: : Sct

Wind Speed: (mph): 08 | Wind Direction: W

Ambient Temp: (°F) | Dew Point (°F) | RH %

Barometric Pressure (inches): 29.85 | Wet bulb temp (°F) (calculated)

Sec→ / Min↓	0	15	30	45	Sec→ / Min↓	0	15	30	45
1	1/2	1	3/4	1/2	1				
2	1/2	1/2	1/2	1/2	2				
3	1/2	1	1/4	1/4	3				
4	1/4	1/4	1/4	1/4	4				
5	1/4	1/4	1/4	1/4	5				
6	1/4	1/4	1/4	1/4	6				
7	1/4	1/4	1/4	1/4	7				
8	1/4	1/4	1/4	1/4	8				
9	1/4	1/4	1/4	1/4	9				
10	1/4	1/4	1/4	1/4	10				
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13	1/4	1/4	1/4	1/4	13				
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15	1/4	1/4	1/4	1/4	15				
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17	1/4	1/4	1/4	1/4	17				
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22	1/4	1/4	1/4	1/4	22				
23	1/4	1/4	1/4	1/4	23				
24	1/4	1/4	1/4	1/4	24				
25	1/4	1/4	1/4	1/4	25				
26	1/4	1/4	1/4	1/4	26				
27	1/4	1/4	1/4	1/4	27				
28	1/4	1/4	1/4	1/4	28				
29	1/4	1/4	1/4	1/4	29				
30	1/4	1/4	1/4	1/4	30				

Observers Name: (Print) Regan Rost

Observers Signature: Regan Rost | Date: 8/8/24

Organization: Rost Environmental

Certified By: CARB - ID# 9138 expires 10/31/24 | Date: 8/8/24

Average Opacity for Highest Period: 8.5 Ave 7.7 | Number of readings above 10 % were 3

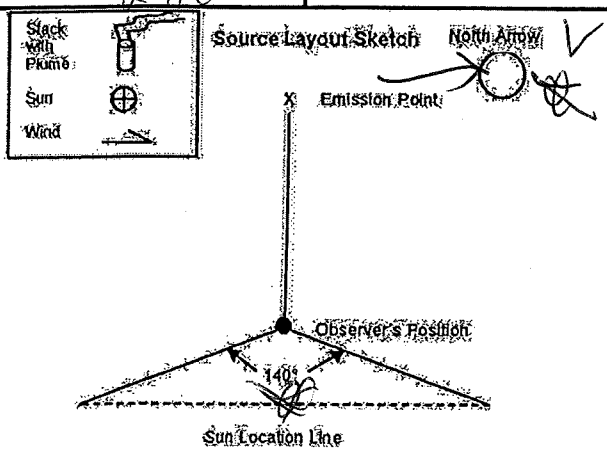
Range of Opacity Readings Minimum: 1/4 Maximum: 1 1/2

CONTINUED ON VEO Form Number #_____ of _____ or NA ☒

Additional Information:

300 KW load

Source Layout Sketch



Visible Emission Observation Form

1 of 1

COMPANY NAME: SFO

OBSERVATION DATE: 10/22/24

START TIME: 0953

END TIME: 1023

Street Address:

City: SF | State: CA | Zip: 94128

Phone: 650 821-7730 | Source ID Number: TO-3 S-460

Process Equipment: TG3 | Operating Mode: Normal ☑ Other ☐

Control Equipment: — | Operating Mode: Normal ☐ Other ☐

Describe Emissions Point: Stack Outlet

Height Above Ground Level: ~2' | Height Relative To Observer: 0

Distance from Observer: ~40' | Direction from Observer: NW

Describe Emissions: N/A - None present ☐

Emission Color: NA ☐ BLK | Plume Type: Continuous ☐ Fugitive ☐ Attached ☐ Detached ☐ NA ☒ Intermittent ☐

Water droplets present: No ☒ Yes ☐ | IF Water Droplet Plume: Attached ☐ Detached ☐ NA ☒

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

Describe Plume Background: Start: Wall Stop: ||

Background Color: White | Sky Conditions: : Clr

Wind Speed: (mph): — | Wind Direction: —

Ambient Temp: (°F) 63 | Dew Point (°F): | RH %: 68

Barometric Pressure (inches): 30.10 | Wet bulb temp (°F) (calculated): 57

Sec→ / Min↓	0	15	30	45	Sec→ / Min↓	0	15	30	45
1	0	3	1/2	1/2	1				
2	2	2	2	2	2				
3	1/2	1/2	1/2	1/2	3				
4	1/2	1/2	1/2	1	4				
5	1	3/4	3/4	3/4	5				
6	1/2	1/2	1/2	1/2	6				
7	1/4	1/4	0	1/4	7				
8	1/4	1/4	1/4	1/4	8				
9	1/4	1/4	1/4	1/4	9				
10	1/4	1/4	1/4	1/4	10				
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18	1/4	1/4	1/4	1/4	18				
19	1/4	1/4	1/4	1/4	19				
20	1/4	1/4	1/4	1/4	20				
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25	1/4	1/4	1/4	1/4	25				
26	1/4	1/4	1/4	1/4	26				
27	1/4	1/4	1/4	1/4	27				
28	1/4	1/4	1/4	1/4	28				
29	1/4	1/4	1/4	1/4	29				
30	1/4	1/4	1/4	1/4	30				

Observers Name: (Print) Regan Bost

Observers Signature: Regan Bost | Date: 10/22/24

Organization: Bost Environmental

Certified By: CARB - ID# 4865 expires 8/18/25 | Date: 8/22/24 10/06/24

Average Opacity for Highest Period 25.6 avg 9.1 | Number of readings above 10 % were 9

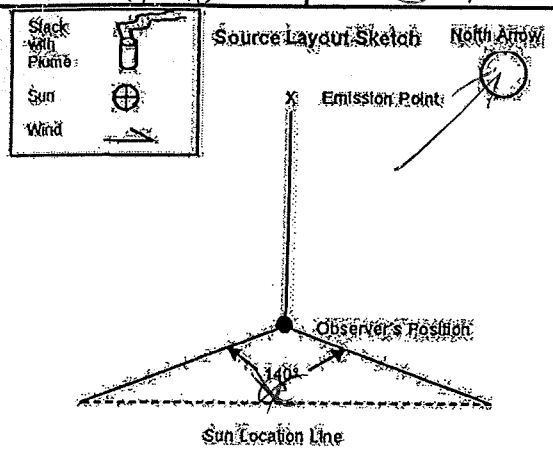
Range of Opacity Readings Minimum: 0 Maximum: 3

CONTINUED ON VEO Form Number #____ of ____ or NA ☒

Additional Information:

405 Kw load

Source Layout Sketch



Visible Emission Observation Form

1 of 1

COMPANY NAME	SFO
OBSERVATION DATE	8/6/24
START TIME	0932
END TIME	1002
Street Address	
City	SF
State	CA
Zip	94128
Phone	650 821-7730
Source ID Number	West S-480 Field Parking
Process Equipment	230 KW
Operating Mode	Normal ☐ Other ☐
Control Equipment:	—
Operating Mode	Normal ☐ Other ☐
Describe Emissions Point:	Stack Outlet
Height Above Ground Level	~40'
Height Relative To Observer	0
Distance from Observer	~20'
Direction from Observer	W
Describe Emissions:	N/A - None present ☒
Emission Color:	NA ☐
Plume Type:	Continuous ☐ Fugitive ☐ Attached ☐ Detached ☐ NA ☒ Intermittent ☐
Water droplets present:	No ☒ Yes ☐
IF Water Droplet Plume:	Attached ☐ Detached ☐ NA ☒
Point in the plume at which opacity was observed:	NA ☒
Describe Plume Background:	Start: Bldg Stop: " "
Background Color:	Blue
Sky Conditions:	C/r
Wind Speed: (mph)	—
Wind Direction:	—
Ambient Temp: (°F)	63
Dew Point (°F)	
RH %	74
Barometric Pressure (inches)	29.95
Wet bulb temp (°F) (calculated)	58

Sec→ / Min↓	0	15	30	45	Sec→ / Min↓	0	15	30	45
1	0	1/2	0	0	1				
2	0	0	0	0	2				
3	0	0	0	0	3				
4	0	0	0	0	4				
5	0	0	0	0	5				
6	0	0	0	0	6				
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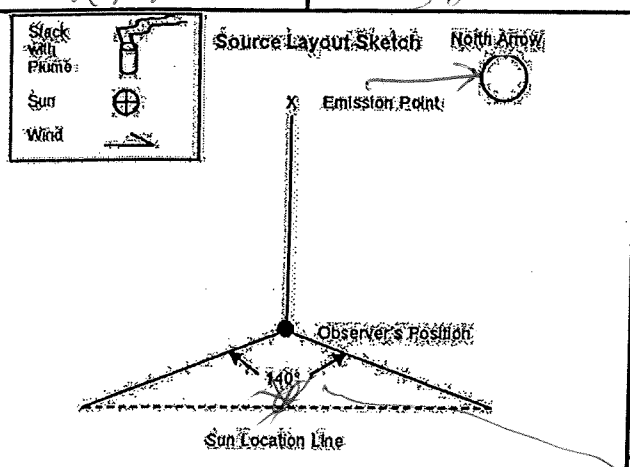
30	0	0	0	0	30				



Observers Name: (Print) Regan Best

Observers Signature: Regan Best

Date: 8/6/24

Organization: Best Environmental

Certified By: CARB - ID# 14865 expires 2/28/15 Date: 8/28/24

Average Opacity for Highest Period <5 <5 1/2

Number of readings above 10 % were 0

Range of Opacity Readings Minimum: 0 Maximum: 1/2

CONTINUED ON VEO Form Number #____ of ____ or NA ☒

Additional Information:

In shadow, view from Garage 2nd floor

230 KW load rated

172 load

Visible Emission Observation Form

1 of 1

COMPANY NAME	SFO
OBSERVATION DATE	10/22/24
START TIME	1329
END TIME	1359
Street Address	
City	SF
State	CA
Zip	94128
Phone	650 821-7730
Source ID Number	S-520
Process Equipment	TG-2
Operating Mode	Normal ☒ Other ☐
Control Equipment:	—
Operating Mode	Normal ☐ Other ☐
Describe Emissions Point:	Stack Outlet
Height Above Ground Level	~2'
Height Relative To Observer	—
Distance from Observer	~40'
Direction from Observer	S
Describe Emissions: N/A - None present ☐	
Emission Color: NA ☐	Blk
Plume Type: Continuous ☐ Fugitive ☐ Attached ☐ Detached ☐ NA ☒ Intermittent ☐	
Water droplets present: No ☒ Yes ☐	
IF Water Droplet Plume: Attached ☐ Detached ☐ NA ☒	
Point in the plume at which opacity was observed: NA ☒	
Describe Plume Background: Start:	White/Green
Stop:	" "
Background Color:	Wall/Foliage
Sky Conditions: :	Clr
Wind Speed: (mph)	—
Wind Direction:	—
Ambient Temp: (°F)	68
Dew Point (°F)	
RH %	67
Barometric Pressure (inches)	30.10
Wet bulb temp (°F) (calculated)	61

Sec→ / Min↓	0	15	30	45	Sec→ / Min↓	0	15	30	45
1	0	0	1/2	0	1				
2	0	0	2	1/2	2				
3	1 1/2	1 1/2	2	2	3				
4	2	2	2	2	4				
5	2	1 1/2	1 1/2	1	5				
6	1	3/4	3/4	1/2	6				
7	1/2	1/2	1/4	1/4	7				
8	1/4	1/4	1/4	1/4	8				
9	1/4	1/4	1/4	1/4	9				
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11	1/4	1/4	1/4	1/4	11				
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23	1/4	1/4	1/4	1/4	23				
24	1/4	1/4	1/4	1/4	24				
25	1/4	1/4	1/4	1/4	25				
26	1/4	1/4	1/4	1/4	26				
27	1/4	1/4	1/4	1/4	27				
28	1/4	1/4	1/4	1/4	28				
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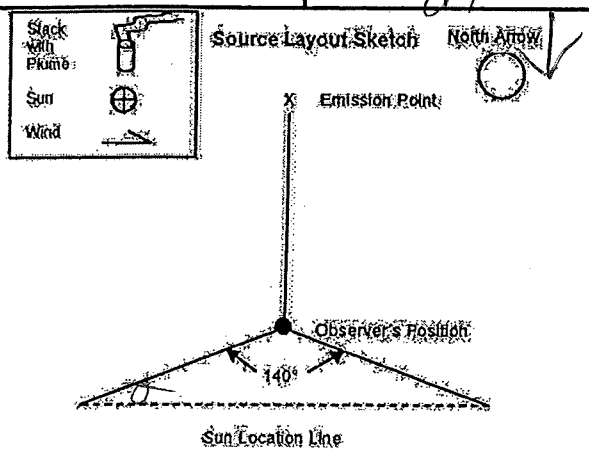
30	1/4	1/4	1/4	1/4	30				



Observers Name: (Print) Regan Best

Observers Signature: Regan Best

Date: 10/22/24

Organization: Best Environmental

Certified By: CARB - ID# 14865 expires ~~5/28/25~~ 6/26/24 Date: ~~8/28/24~~ 10/26/24

Average Opacity for Highest Period 24.7 avg 8.9

Number of readings above 10 % were 1.7

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

CONTINUED ON VEO Form Number #____ of ____ or NA ☒

Additional Information:

100 Kw (rated 150)

in shadow

APPENDIX B
VEE CERTIFICATION

CALIFORNIA
AIR RESOURCES BOARD

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

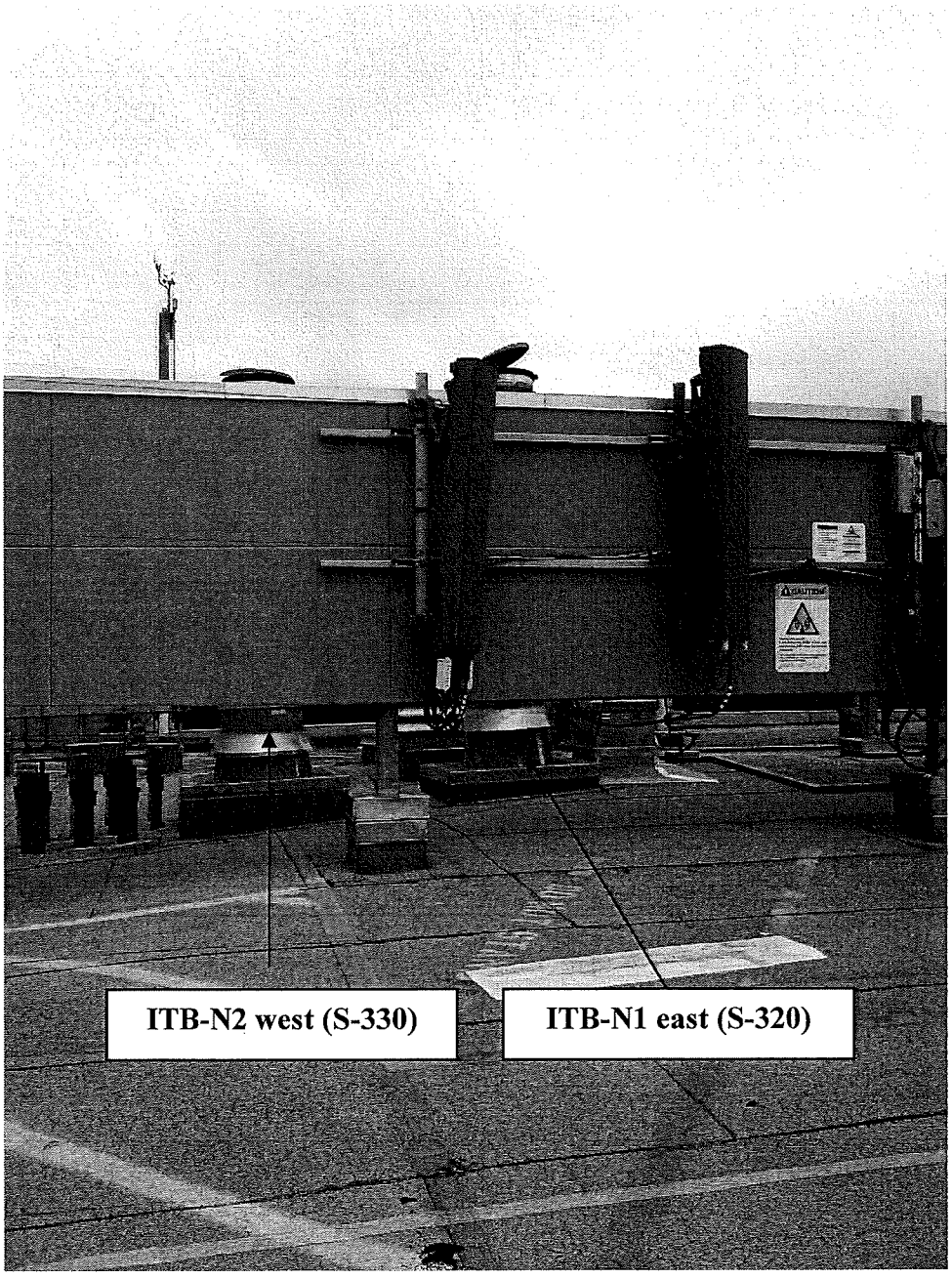
This certificate expires six months after the evaluation completion date.

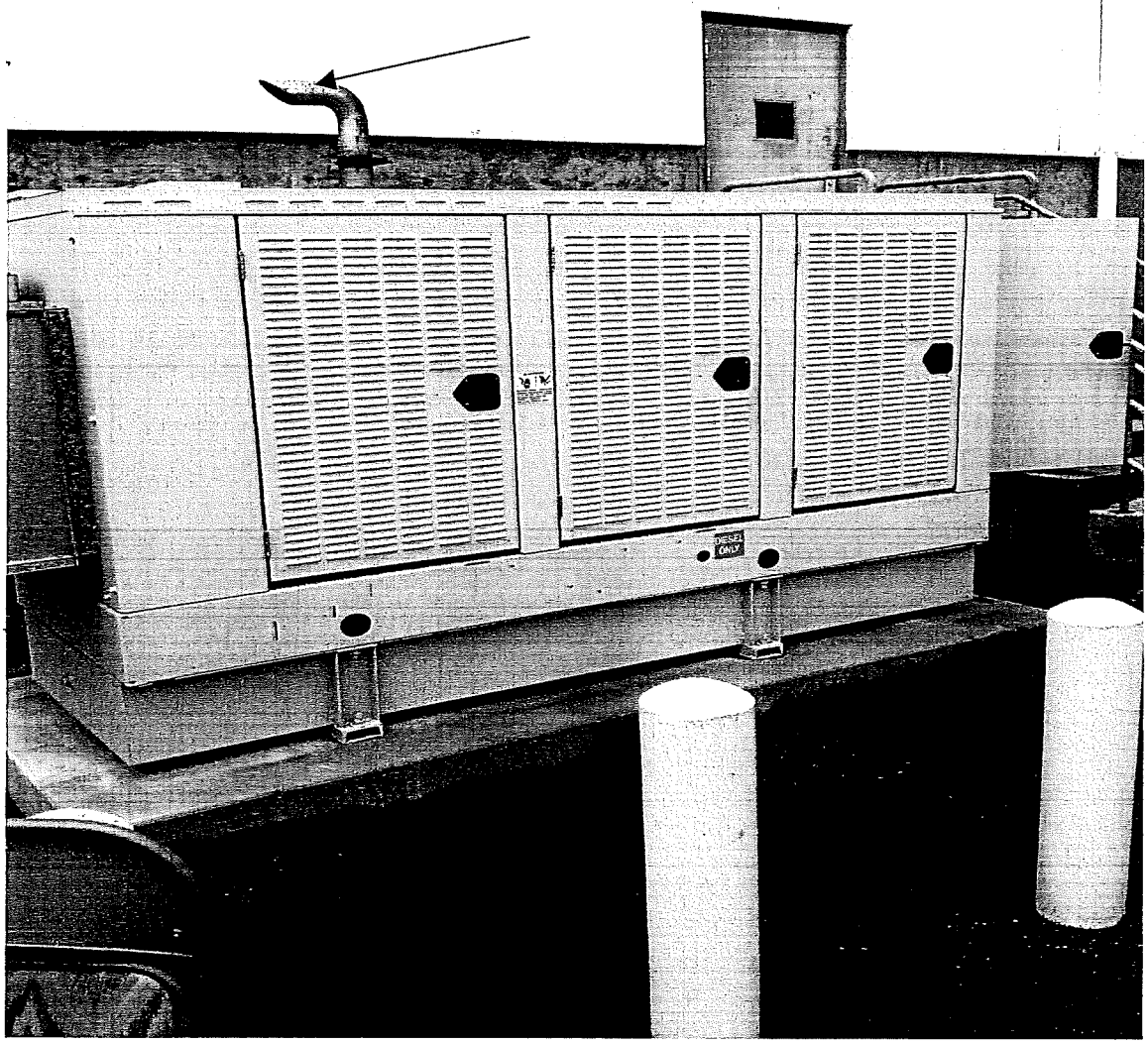
Heather L Quiros

Heather Quiros, Chief
Enforcement Division

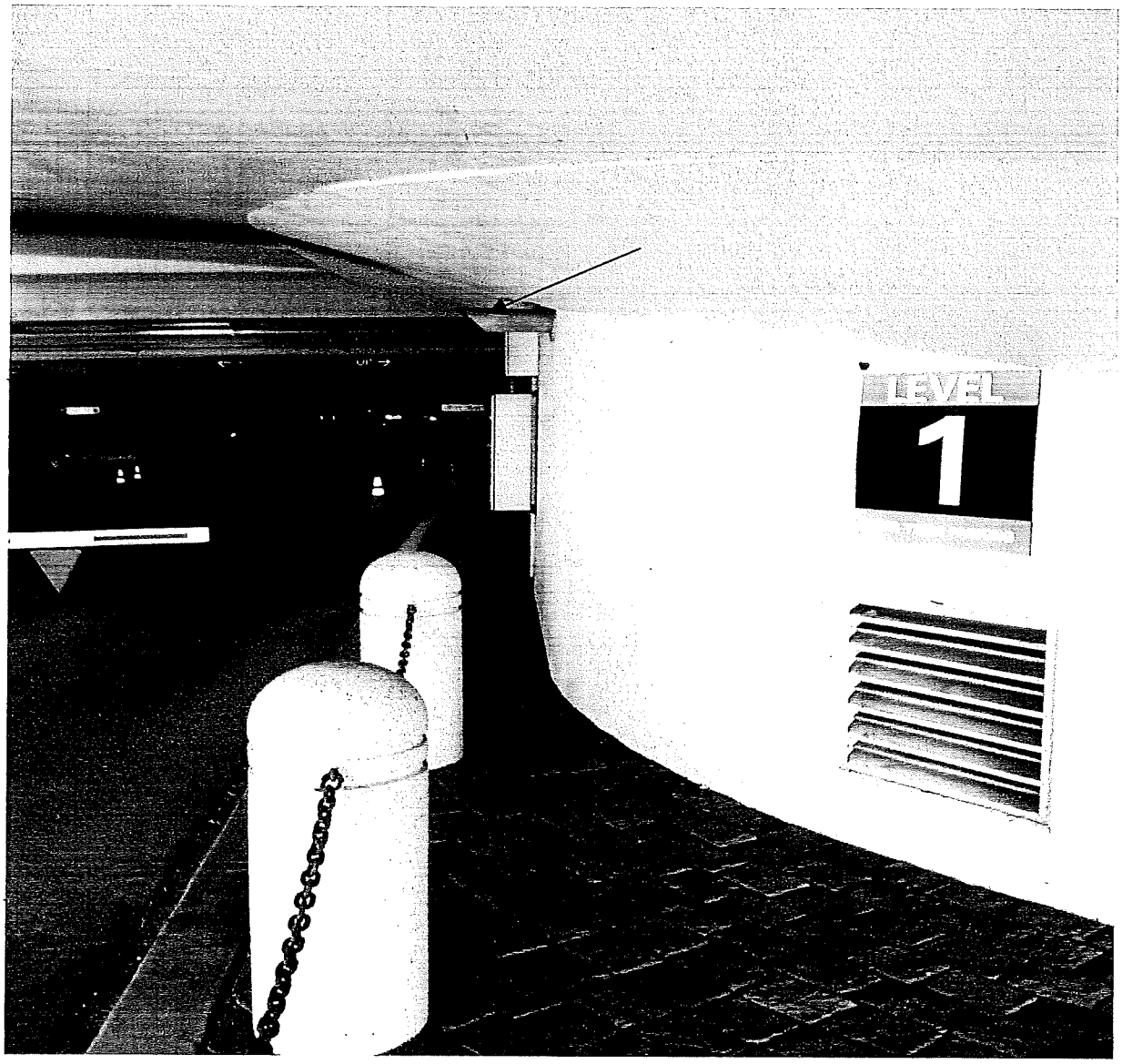
APPENDIX C
DIGITAL IMAGES

San Francisco International Airport
San Francisco, CA



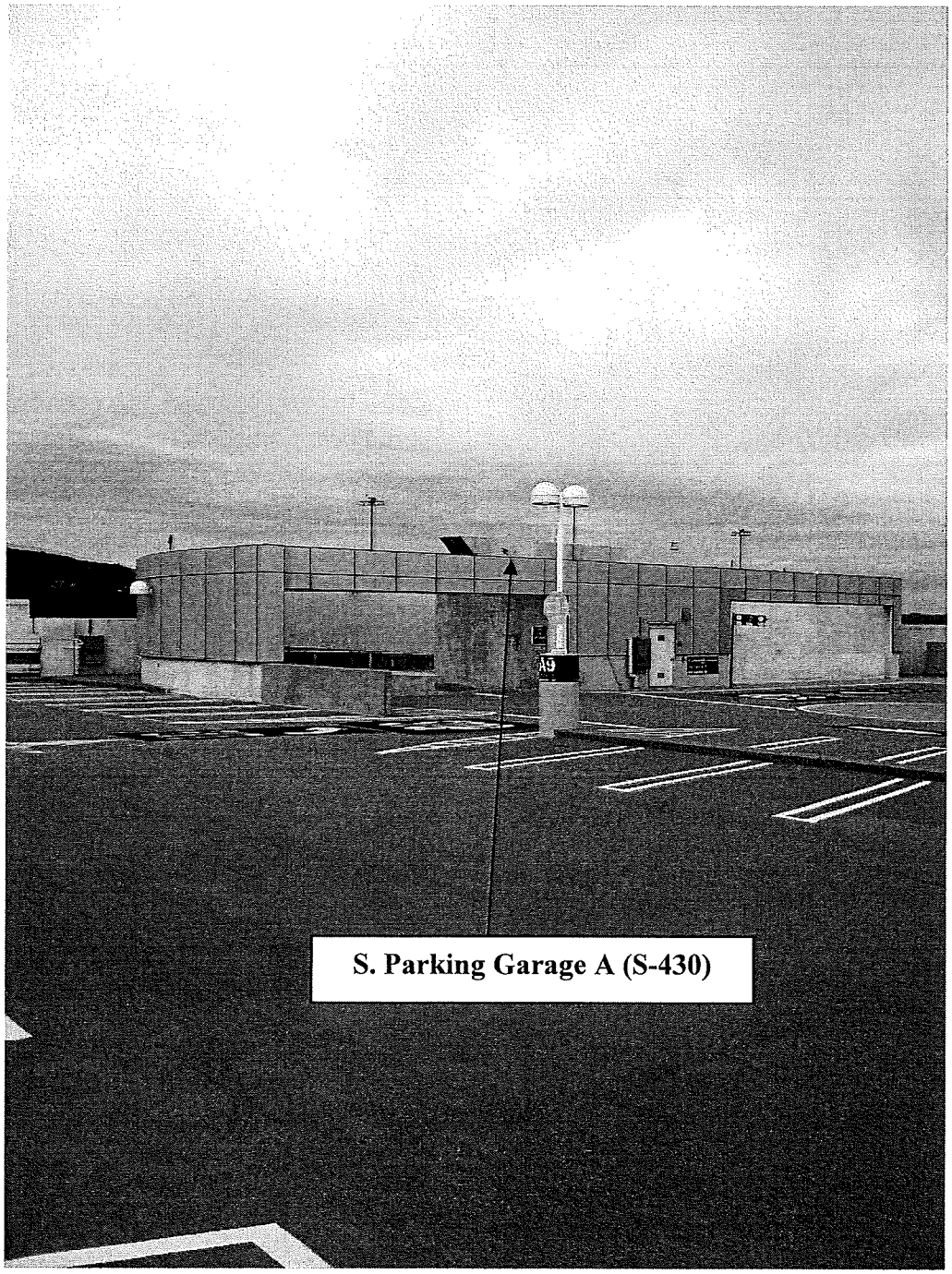


S-380

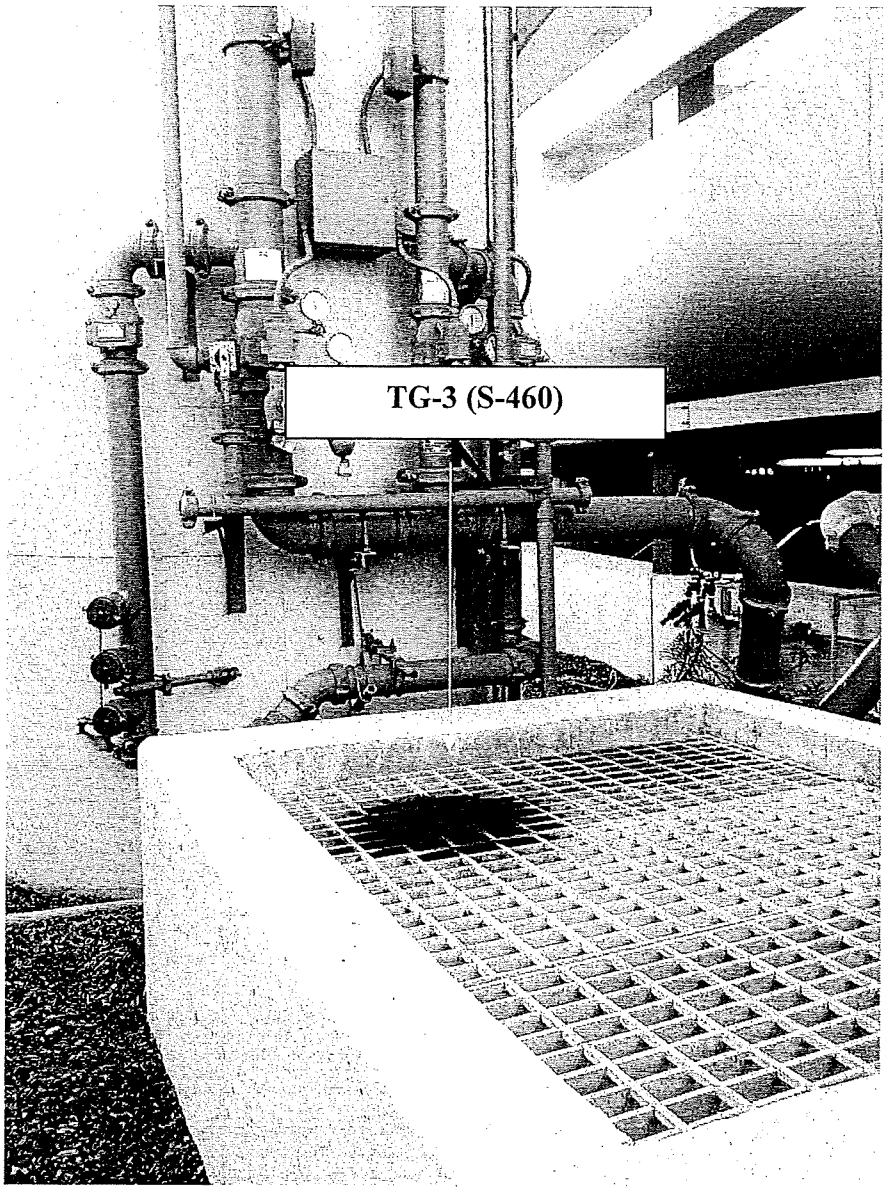


S-410

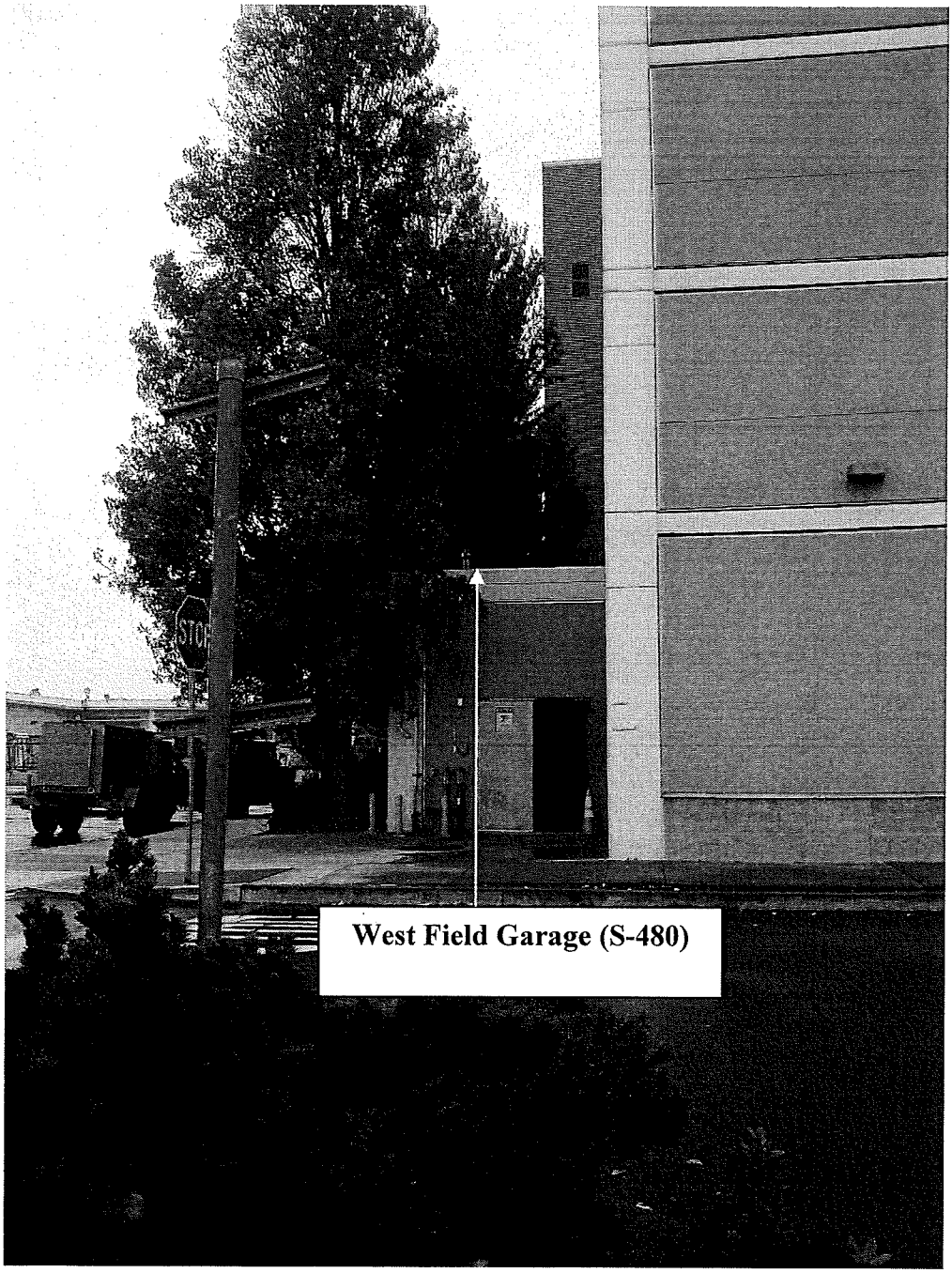
San Francisco International Airport
San Francisco, CA



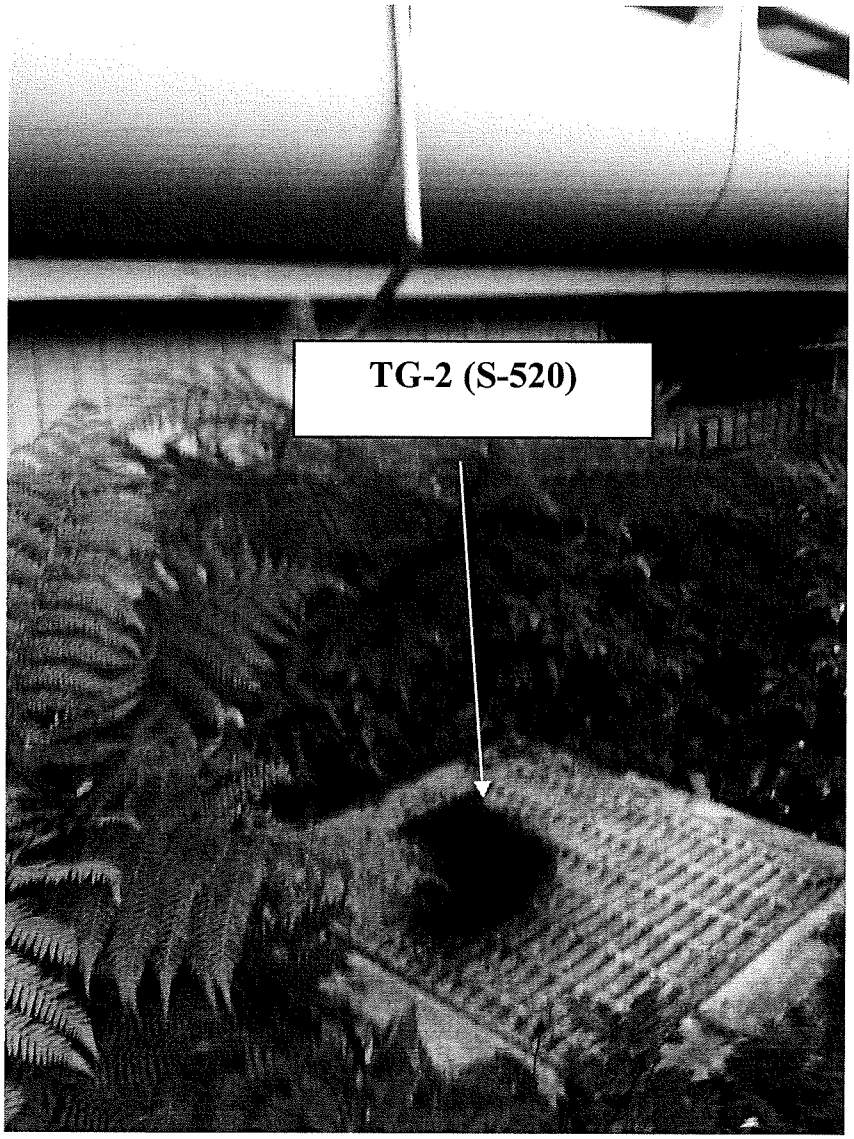
San Francisco International Airport
San Francisco, CA



San Francisco International Airport
San Francisco, CA



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 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, 0.1-50 ppm, AND 100-2500 ppm

Date	Time	Hydrogen Sulfide (ppm)	H2S Monitor	H2S chip Batch Lot	Analysts
10/17/2024	8:45	100	ARRJ-3458	ARSJ-0311	RH/AA
11/25/2024	9:42	725	ARRN-6898	ARSJ-0311	RH/AA
12/2/2024	8:36	822	ARRN-6898	ARSJ-0311	RH/AA
12/09/2024	7:35	402	ARRN-6898	ARSJ-0311	RH/AA
12/16/2024	9:40	734	ARRN-6898	ARSJ-0311	RH/KF
12/23/2024	9:27	644	ARRN-6898	ARSJ-0311	RH/AA
12/30/2024	9:33	506	ARRN-6898	ARSJ-0311	RH/KF
1/6/2025	8:39	847	ARRN-6898	ARSJ-0311	RH/KF
1/13/2025	9:30	510	ARRN-6898	ARSJ-0311	RH/KF
1/21/2025	9:05	236	ARRN-6898	ARSJ-0311	RH/KF
1/27/2025	9:05	164	ARRN-6898	ARSJ-0311	RH/KF
2/3/2025	10:44	264	ARRN-6898	ARSJ-0311	RH/KF
2/10/2025	9:10	24	ARRN-6898	ARSJ-0311	RH/KF
2/21/2025	8:10	289	ARRN-6898	ARSJ-0311	RH/KF
2/26/2025	7:40	398	ARRN-6898	ARSJ-0311	RH/KF
3/4/2025	9:20	400	ARRN-6898	ARSJ-0311	RH/KF
3/11/2025	10:45	444	ARRN-6898	ARSJ-0311	RH/KF
3/19/2025	8:25	139	ARRN-6898	ARSJ-0311	RH/KF
3/26/2025	7:55	39	ARRN-6898	ARSJ-0311	RH/KF

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	4/1/24 through 3/31/25 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	NC
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 S-170 constituting an alteration with no increase in emissions.	BAAD Regulation 2-1-301 and 302	NC