Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:
San Francisco International Airport
Facility #A1784

Facility Address:
SFO International Airport
San Francisco, CA 94128

Mailing Address:
P.O. Box 8097
San Francisco, CA 94128

Responsible Official	**Facility Contact**
Mike Nakornkhet,	Sarah Scheidt,
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Type of Facility: Airport
Primary SIC: 4581
Product: San Francisco International Airport

BAAQMD Permit Division Contact:
Perry Ng

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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Pamela J. Leong, Director of Engineering

June 12, 2025
Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 7/9/08);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 3/4/09);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); and.
SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on July 27, 2012 and expires on July 26, 2017. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than January 26, 2017, and no earlier than July 26, 2016. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after July26, 2017.** If the permit renewal has not been issued by July 26, 2017, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or

I. Standard Conditions

condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

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D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment that is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be April 14, 2004 to September 30, 2004. The report shall be submitted by October 31, 2004. Subsequent reports shall be for the following periods: October 1st through March 31st and April 1st through September 30th, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be April 1st to March 31st. The certification shall be submitted by April 30th of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated compliance certification forms. The certification should be directed

I. Standard Conditions

to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

Director
Enforcement Division, TRI & Air Section (ENF-2-1)
USEPA Region 9
75 Hawthorne Street
San Francisco, California 94105

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

II. EQUIPMENT

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
1	Sludge Gas Burner (Flare), (Sludge Gas fired)	NA	NA	0.75 MMbtu/hr
8	Reverse Airflow Auto-Track Spray Booth	Custom	ASD 2712	NA
9	Custom Air Auto Spray Booth	Custom	CRA-3318	NA
14	High Temperature Hot Water Generator Boiler HG-4 (Natural Gas fired,)	International Lamont	TJC-40	42 MMbtu/hr
15	High Temperature Hot Water Generator Boiler HG-1 (Natural Gas fired,)	International Lamont	TJC-25	24 MMbtu/hr
16	High Temperature Hot Water Generator Boiler (Natural Gas fired,)	International Lamont	TJW-C-25	30 MMbtu/hr
17	High Temperature Hot Water Generator Boiler (Natural Gas fired,)	International Lamont	TJW-C-50	60 MMbtu/hr
20	Gasoline Dispensing Station, Non-Retail, 3 nozzles	Healy EVR Phase II		940K gal/year
21	Underground Gasoline Tank - 91 Octane	Custom	NA	6,000 gallons 5000 gal/year
22	Gasoline Bulk Plant, Fireboat Refueling Trucks, 1 Nozzle	Custom	NA	5000 gal/year
29	Emergency Generator (diesel fuel) Transferred from United Airlines	Detroit Diesel	6045C	2.0 MMbtu/hr 194 hp
100	Water Quality Control Plant	Custom	NA	2.2 MM gal/day
110	Preliminary Treatment – Bar Screens	Custom	NA	2.2 MM gal/day
120	Primary Treatment Clarifier	Custom	NA	2.2 MM gal/day

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
130	Secondary Treatment – Aeration Tanks	Custom	NA	2.2 MM gal/day
140	Secondary Clarifiers	Custom	NA	2.2 MM gal/day
150	Disinfection – Chlorine Contact Tank	Custom	NA	2.2 MM gal/day
160	Sludge Handling Processes – Air Drying Beds	Custom	NA	2.2 MM gal/day
170	Anaerobic Digesters	Custom	NA	2.2 MM gal/day
180	Reclamation Pressurized Tank	Custom	NA	1550 gallons
200	Industrial Wastewater Plant	Custom	NA	1.7 MM gal/day
210	Primary Treatment	Custom	NA	1.7 MM gal/day
220	Flow Equalization	Custom	NA	1.7 MM gal/day
230	Secondary Treatment	Custom	NA	1.7 MM gal/day
240	Secondary Clarifiers	Custom	NA	1.7 MM gal/day
250	Disinfection	Custom	NA	1.7 MM gal/day
260	Sludge Handling Processes	Custom	NA	1.7 MM gal/day
270	Emergency Generator (diesel fuel) Field Lighting Generator #1	Cummins	KTA 50-G3	12.0 MMbtu/hr 1850 hp
290	Emergency Generator (diesel fuel) Boarding Area G	Caterpillar	128-2846	14.19 MMbtu/hr 2172 hp
320	Emergency Generator (diesel fuel) International Terminal #1	Cummins	KTTA50-G2	14.51 MMbtu/hr 2220 hp
330	Emergency Generator (diesel fuel) International Terminal #2	Cummins	KTTA50-G2	14.51 MMbtu/hr 2220 hp
340	Emergency Generator (diesel fuel) Boarding Area A	Cummins	KTA-50-G3	12.0910 MMbtu/hr 1850 hp
360	Emergency Generator (diesel fuel) MPOE	Cummins	LTA10-G1	2.48 MMbtu/hr 380 hp
380	Emergency Generator (diesel fuel) North Field Cargo	Cummins	6BT59-G-2	1.09 MMbtu/hr 166 hp
390	Emergency Generator (diesel fuel) North Parking Garage	Cummins	NTA-855-G5	3.96 MMbtu/hr 605 hp

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
400	Emergency Generator (diesel fuel) North Terminal Hub	Cummins	KTA19-G2	3.92 MMbtu/hr 600 hp
410	Emergency Generator (diesel fuel) Parking Garage Lot DD	Cummins	NT-855-G6	2.84 MMbtu/hr 434 hp
420	Emergency Generator (diesel fuel) Rental Car Facility Lot D	Cummins	VTA-28-G5	5.88 MMbtu/hr 900 hp
430	Emergency Generator (diesel fuel) South Parking Garage	Cummins	NTA-855-G5	3.96 MMbtu/hr 605 hp
440	Emergency Generator (diesel fuel) South Intl Terminal	Cummins	KTTA-50-G2	14.51 MMbtu/hr 2220 hp
450	Emergency Generator (diesel fuel) South Intl Terminal	Cummins	KTTA-50-G2	14.51 MMbtu/hr 2220 hp
460	Emergency Generator (diesel fuel) Garage #3	Cummins	KTTA19-G2	4.90 MMbtu/hr 750 hp
470	Emergency Generator (diesel fuel) Water Quality Control Plant	Cummins	VT171 GPG700	4.57 MMbtu/hr 700 hp
480	Emergency Generator (diesel fuel) West Field Employee Garage	Cummins	LTA10-G1	2.48 MMbtu/hr 380 hp
490	Emergency Generator (diesel fuel) North Terminal	Cummins	71237305	4.12 MMbtu/hr 630 hp
500	Emergency Generator (diesel fuel) South Terminal	Detroit Diesel	71637305	5.43 MMbtu/hr 830 hp
510	Emergency Generator (diesel fuel) Garage #1	Detroit Diesel	7163705	4.91 MMbtu/hr 750 hp
520	Emergency Generator (diesel fuel) Garage #2	Detroit Diesel	6-71	1.56 MMbtu/hr 238 hp
530	Emergency Generator (diesel fuel) Firehouse #1	John Deere	6059TF003	1.08 MMbtu/hr 165 hp
540	Emergency Generator (diesel fuel) Firehouse #2	John Deere	6059TF	0.98 MMbtu/hr 150 hp
550	Emergency Generator (diesel fuel) Firehouse #3	John Deere	6059TF003	1.08 MMbtu/hr 165 hp

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
640	Emergency Generator (diesel fuel) SPOE	Cummins	QSM11-G1	2.5 MMbtu/hr 395 hp
650	Emergency Generator (diesel fuel) Concourse H	Cummins	KTA50-G2	10.9 MMbtu/hr 1620 hp
660	Emergency Generator (diesel fuel) Water Quality Control Plant	Cummins	KTA50-G9	14.2 MMbtu/hr 2220 hp
670	Emergency Generator (diesel fuel) Signapore Airlines Cargo	Cummins	KTA19-G4	5.34 MMbtu/hr 755 hp
680	Emergency Generator (diesel fuel)	MTU Detroit Diesel	12V2000 G84	7.2 MMbtu/hr 1119 hp
690	Emergency Generator (diesel fuel)	Volvo	TAD 1641GE	4.4 MMbtu/hr 757 hp
700	Emergency Generator (diesel fuel)	Volvo	TAD 1641GE	4.4 MMbtu/hr 757 hp
710	Emergency Generator (diesel fuel)	MTU Detroit Diesel	12V2000 G84	7.2 MMbtu/hr 1119 hp
720	Emergency Generator (diesel fuel)Millbrae Storm Drain Pump Station	Mitsubishi	S12H-Y2PTAW-1	10.67 MMbtu/hr 1528 hp

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
S1	Flare - Sludge Gas Burner (0.75 MMbtu/hr)	170	BAAQMD 1-301	N/A	N/A
		170	BAAQMD 8-2-301		15 lb POC/day or 300 ppm
1	CARB Certified Bulk Loading Vapor Balance System	21	BAAQMD 8-39-302	NMOC < 0.50 lb NMOC per 1000 gallons of organic liquid loaded	

II. Equipment

Table II C- –Sources Exempt From Permitting

S-#	Description	Make or Type	Model	Capacity	Comment (Exemption Citation)
350	Emergency Generator (diesel fuel)	Caterpillar	--TBD--	0.3 MMbtu/hr 46 hp	Reg. 2-1-114.2.1 Under 50 hp

Table II D- –Sources Exempt From Title V Permitting

S-#	Description	Make or Type	Model	Capacity	Comment (Exemption Citation)
560	Emergency Generator (diesel fuel) Portable	Caterpillar	3112	4.90 MMbtu/hr 749 hp	Reg. 2-6-114 Non-road Engines
570	Emergency Generator (diesel fuel) Portable	Caterpillar	3412	4.9 MMbtu/hr 744 hp	Reg. 2-6-114 Non-road Engines
580	Emergency Generator (diesel fuel) Portable	Caterpillar	3508STD	8.74 MMbtu/hr 1364 hp	Reg. 2-6-114 Non-road Engines
590	Emergency Generator (diesel fuel) Portable	Cummins	VT12800GS	3.93 MMbtu/hr 601 hp	Reg. 2-6-114 Non-road Engines
600	Emergency Generator (diesel fuel) Portable	Cummins	VT171GPG700	3.93 MMbtu/hr 700 hp	Reg. 2-6-114 Non-road Engines
610	Emergency Generator (diesel fuel) Portable	Marathon Electric	1750TG1	2.32 MMbtu/hr 345 hp	Reg. 2-6-114 Non-road Engines
620	Emergency Generator (diesel fuel) Portable	Whisperwatt, ISUZU	QD-145(6BD1)	0.51 MMbtu/hr 78 hp	Reg. 2-6-114 Non-road Engines
630	Emergency Generator (diesel fuel) Portable	Whisperwatt, ISUZU	QD-145(6BD1)	0.51 MMbtu/hr 77 hp	Reg. 2-6-114 Non-road Engines

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9's website. The address is http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions. **NOTE:**

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (3/4/09)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 2, Rule 2	Permits, New Source Review (06/15/05)	N
SIP Regulation 2, Rule 2	Permits, New Source Review (1/26/99)	Y
BAAQMD Regulation 2, Rule 4	Permits, Emissions Banking (12/21/04)	N
SIP Regulation 2, Rule 4	Permits, Emissions Banking (01/26/99)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (1/6/10)	N
BAAQMD Regulation 2, Rule 6	Permits, Major Facility Review (4/16/03)	N
SIP Regulation 2, Rule 6	Permits, Major Facility Review (6/23/95)	Y
BAAQMD Regulation 3	Fees (6/15/11)	N
SIP· Regulation 3	Fees (5/03/84)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (7/9/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	Y
SIP Regulation 8, Rule 2	Organic Compounds, Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	N
SIP Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (8/26/03)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds, Contaminated Soil and UST Removal (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	Y
SIP Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/19/11)	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
Subpart ZZZZ, 40 CFR Part 63	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (6/15/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (12/15/09)	
Subpart E, 40 CFR 82.106	Containers containing a Class I or Class II substance and products containing or manufactured with a Class I substance (4/13/05)	Y
Subpart E, 40 CFR 82.108	Warning statements (4/13/05)	Y
Subpart E, 40 CFR 82.110	Labels (4/13/05)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
Subpart E, 40 CFR 82.112	Modification, removal, or interference with warning statements (4/13/05)	Y
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions - Required Practices (4/13/05)	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions - Technician Certification (4/13/05)	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions - Reporting and Recordkeeping Provisions (4/13/05)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP rules and regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is included in Section III of this permit. All other text may be found in the regulations themselves.

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-107	Combination of Emissions	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-107	Combination of Emissions	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**	Y	
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**	Y	
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

IV. 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)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (7/20/05)**	Y	
8-2-301	Miscellaneous Operations	Y	
SIP Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (3/22/95)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/1999)**		
9-2-301	Limitations on Hydrogen Sulfide	N	
BAAQMD Condition # 18329			
Part 4	S1 abates emissions from S170 at all times (basis: 1-301, 8-2-301)	Y	
Part 5	Flare recordkeeping (basis: 2-6-409.2)	Y	
Part 6	Digester Gas hydrogen sulfide limit (basis: 9-1-302)Monitoring (2-6-409.2)	Y	
Part 7	Digester Gas hydrogen sulfide monitoring (basis: 9-1-301)		

IV. Source Specific Applicable Requirements

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)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**	N	
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**	Y	
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Solvent and Surface Coating Operations (8/15/94)**		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	
8-1-322	Spray Equipment Clean-up Limitation	Y	
BAAQMD Regulation 8, Rule 19	**Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)**		
8-19-302	Limits	Y	
8-19-302.2	Air-Dried Coatings	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating Limitations	Y	
8-19-312.2	High Gloss	Y	
8-19-312.3	Heat Resistant	Y	
8-19-312.4	High Performance Architectural	Y	
8-19-312.5	Metallic Topcoat	Y	
8-19-312.7	Pretreatment Wash Primer	Y	
8-19-312.8	Silicone Release	Y	
8-19-312.9	Solar Absorbant	Y	
8-19-312.12	Extreme Performance	Y	
8-19-312.13	High Temperature	Y	
8-19-313	Spray Applications Equipment Limitations	Y	

IV. Source Specific Applicable Requirements

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)	Future Effective Date
8-19.-320	Solvent Evaporative Loss Minimization	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-501	Records	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)	Future Effective Date
BAAQMD Condition # 7502			
Part 1	Coating usage limit [basis: Cumulative Increase]	Y	
Part 2	Net solvent usage limit [basis: Cumulative Increase]	Y	
Part 3	Recordkeeping [basis: Cumulative Increase]	Y	

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)	Future Effective Date
BAAQMD Condition # 7502			
Part 4	Coating usage limit [basis: Cumulative Increase]	Y	
Part 5	Net solvent usage limit [basis: Cumulative Increase]	Y	
Part 6	Recordkeeping [basis: Cumulative Increase]	Y	

IV. Source Specific Applicable Requirements

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)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**	N	
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	0.15 grain per dscf at 6% O_2	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**	Y	
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	0.15 grain per dscf at 6% O_2	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)**		
9-7-113	Limited Exemption, Natural Gas Curtailment and Testing	N	
9-7-114	Limited Exemption, Tune-Up	N	
9-7-115	Limited Exemption, Startup and Shutdown	N	
9-7-301	Interim Emissions Limit, Gaseous Fuel	N	
9-7-301.1	Performance Standard, NOx, Gaseous Fuel	Y	
9-7-301.2	Performance Standard, NOx, Non-gaseous Fuel	Y	
9-7-301.3	Performance Standard, NOx, Combination of Fuels	N	
9-7-301.4	Performance Standard, CO	Y	
9-7-307.5	Final Emission Limits	N	1/1/2012

IV. Source Specific Applicable Requirements

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)	Future Effective Date
9-7-308	Compliance Schedule	N	1/1/2012
9-7-310	Prohibition of Commerce in Uncertified Devices	N	
9-7-311	Insulation Requirements	N	
9-7-312	Stack Gas Temperature Limits	N	
9-7-313	Tune-Up Requirements	N	
9-7-403	Initial Demonstration of Compliance	N	
9-7-501	Combinations of Different Fuels	Y	
9-7-503	Records	Y	
9-7-503.1	Tune-up Records	N	
9-7-503.2	Documentation verifying natural gas unavailable for use	Y	
9-7-503.3	Non-gaseous Fuel Testing and Usage Records	N	
9-7-503.4	Source Testing Results	Y	
9-7-506	Periodic Testing	N	
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	
9-7-301.1	Performance Standard, NOx	Y	
9-7-301.2	Performance Standard, CO	Y	
9-7-305	Natural Gas Curtailment – Non-Gaseous-Fuel	Y	
9-7-305.1	Performance Standard, NOx	Y	
9-7-305.2	Performance Standard, CO	Y	
9-7-306	Equipment Testing - Non-Gaseous Fuel	Y	
9-7-306.1	Performance Standard, NOx	Y	
9-7-306.2	Performance Standard, CO	Y	
9-7-306.3	Operating Standard, Equipment Testing	Y	
9-7-503	Records	Y	
9-7-503.2	Documentation verifying natural gas unavailable for use	Y	
9-7-503.3	Documentation of hours of equipment testing	Y	
9-7-503.4	Source Testing Results	Y	

IV. Source Specific Applicable Requirements

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)	Future Effective Date
BAAQMD Condition # 24716	Applicable to S14 and S15		
Part 1	NOx and CO emission limits firing Natural Gas [basis: BACT]	Y	
Part 2	NOx and CO emission limits firing fuel oil [basis: BACT]	Y	
Part 3	Annual firing rate limit [basis: Cumulative Increase]	Y	
Part 4	Recordkeeping [basis: Cumulative Increase]	Y	
Part 6	Fuel oil sulfur content certification [basis: Regulation 2-6-409.2]	Y	
Part 7	Visible emissions monitoring [basis: Regulation 2-6-409.2]	Y	
BAAQMD Condition # 25080	Applicable to S16 and S17		
Part 1	Fire exclusively with natural gas [basis: Cumulative Increase]	Y	
Part 2	Annual and hourly firing rate limits [basis: Cumulative Increase]	Y	
Part 3	Natural gas meter and recordkeeping requirements [basis: Cumulative Increase]	Y	
Part 4	NOx emission limits [basis: Cumulative Increase, BACT]	Y	
Part 5	CO emission limits [basis: Cumulative Increase, BACT]	Y	
Part 7	Biennial Source Test Requirement [basis: Cumulative Increase, BACT, Regulation 2-1-403]	Y	

IV. Source Specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S100 - WATER QUALITY CONTROL PLANT; S110 - PRELIMINARY TREATMENT; S120 - PRIMARY TREATMENT; S130 - SECONDARY TREATMENT; S140 - SECONDARY CLARIFIERS; S150 - DISINFECTION; S160 - SLUDGE HANDLING PROCESSES; 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)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**	N	
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**	Y	
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (6/15/94)**		
8-2-301	Miscellaneous Operations Standards	Y	
BAAQMD Condition # 18329			
Part 1	Industrial Wastewater Discharge Limit (basis: Regulation 2-1-234)	Y	
Part 2	Sanitary Sewer Discharge Limit (Regulation 2-1-234)	Y	
Part 3	Recordkeeping (basis: Regulation 2-6-409.2)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/5/07)**	N	
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**	Y	
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (6/15/94)**		
8-2-301	Miscellaneous Operations Standards	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations of Hydrogen Sulfide	N	
BAAQMD Condition # 18329			
Part 4	Odor abatement by S1flare at all times(basis: Regulation 1-301, 8-2-301)	Y	
Part 5	Flaring recordkeeping (basis: Regulation 2-6-409.2)	Y	
Part 6	Digester Gas sulfur limit (basis: Regulation 9-1-302)	Y	
Part 7	Sulfur Monitoring (basis: Regulation 9-1-302)	Y	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-303.1	Ringelmann No. 2 Limitation	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	Y	
6-303	Ringelmann No. 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations on SO2	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)**		
9-8-110.5	Exemptions: Emergency Standby Engines	N	
9-8-331.1	Emergency Standby Engines, Hours of Operation	N	
9-8-331.2	Emergency Standby Engines, Hours of Operation	N	
9-8-331.3	Emergency Standby Engines, Hours of Operation	N	1/1/2012
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of operation (total)	N	
9-8-530.2	Hours of operation (emergency)	N	
9-8-530.3	Nature of emergency condition	N	
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	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	Must use CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6 (b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3) (A)(1)	General Requirements	N	
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	
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	
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	
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	
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	
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(e)	Monitoring Equipment	N	
93115.10 (e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.13	ATCM for Stationary CI Engines – Compliance Demonstration	N	
93115.13(a)	Demonstrate Compliance with the following sources of data:	N	
93115.13 (a)(1)	...off-road engine certification test data for the stationary diesel-fueled Cl engine,	N	

IV. Source Specific Applicable Requirements

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

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

IV. Source Specific Applicable Requirements

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)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-303.1	Ringelmann No. 2 Limitation	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	Y	
6-303	Ringelmann No. 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)**		
9-8-110.5	Exemptions: Emergency Standby Engines	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	
9-8-330.2	Emergency Standby Engines, Hours of Operation	N	
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	1/1/2012
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of operation (total)	N	
9-8-530.2	Hours of operation (emergency)	N	
9-8-530.3	Nature of emergency condition	N	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		

IV. Source Specific Applicable Requirements

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)	Future Effective Date
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	
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	Must use CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6 (b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3) (A)(1)	General Requirements	N	
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	
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	
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	
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	
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	
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(e)	Monitoring Equipment	N	
93115.10 (e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.13	ATCM for Stationary CI Engines – Compliance Demonstration	N	

IV. Source Specific Applicable Requirements

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

IV. Source Specific Applicable Requirements

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)	Future Effective Date
Part 3	Totalizing Meter [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(e)(1)]	Y	
Part 4	Recordkeeping [basis: Regulation 2-6-501, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(g)]	Y	
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	

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

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

IV. Source Specific Applicable Requirements

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)**		
9-8-110.5	Exemptions: Emergency Standby Engines	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation	N	
9-8-330.2	Emergency Standby Engines, Hours of Operation	N	
9-8-330.3	Emergency Standby Engines, Hours of Operation	N	1/1/2012
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of operation (total)	N	
9-8-530.2	Hours of operation (emergency)	N	
9-8-530.3	Nature of emergency condition	N	
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	
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	Must use CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)	New Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)(3)	Emission and operation standards	N	
93115.6(a)(3)(A)(1)(a)	Diesel PM Standard	N	
93115.6(a)(3)(B))	HC,NOx, NMHC+NOx, CO Standards: Meet Tier 2	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6 (b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	

IV. Source Specific Applicable Requirements

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.6(b)(3)(A)(1)	General Requirements	N	
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	
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	
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	
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	
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	
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(e)	Monitoring Equipment	N	
93115.10 (e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.13	ATCM for Stationary CI Engines – Compliance Demonstration	N	
93115.13(a)	Demonstrate Compliance with the following sources of data:	N	
93115.13 (a)(1)	...off-road engine certification test data for the stationary diesel-fueled Cl engine,	N	
93115.13 (a)(2)	...engine manufacturer test data,	N	
93115.13 (a)(3)	... emissions test data from a similar engine,	N	
93115.13 (a)(4)	...emissions test data used in meeting the requirements of the Verification Procedure for the emission control strategy implemented, or	N	
93115.13 (a)(5)	An alternative compliance demonstration as described in section 93115.13(f).	N	
93115.15	Severability	N	
40 CFR 60	**Standards of Performance for Stationary Compression Ignition**		

IV. Source Specific Applicable Requirements

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Subpart IIII	**Internal Combustion Engines (7/11/2006)** **Applies to S680, S690, S700 and S710 only**		
60.4200	Applicability	Y	
60.4200(a)	Applicable to owners/operators of stationary compression ignition (CI) internal combustion engines (ICE)	Y	
60.4200(a)(2)	Stationary CI ICE that were constructed after 7/11/2005 where	Y	
60.4200(a)(2)(i)	Manufactured after April 1, 2006, and are not fire pump engines	Y	
60.4202	Emission standards for emergency stationary CI ICE manufacturers [required by 60.4205(b)]	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	
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	
60.4205	Emission standards for emergency stationary CI ICE	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	
60.4206	Meet emission standards for the life of the engine	Y	
60.4207	Fuel requirements for stationary CI ICE	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	
60.4209	Monitoring requirements for stationary CI ICE	Y	
60.4209(a)	Install a non-resettable hour meter prior to the startup of an emergency engine	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	
60.4211	Owner/operator compliance requirements for IC ICE		
60.4211(a)(1)	Operate and maintain stationary CI ICE and control device per manufacturer's emission related written instructions.	Y	
60.4211(a)(2)	Change only those emission-related settings that are permitted by the manufacturer.	Y	
60.4211(a)(3)	Meet the requirements of 40 CFR parts 89, 94 and/or 1068	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		

IV. Source Specific Applicable Requirements

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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		
60.4214	Notification, reporting, and recordkeeping requirements for stationary CI ICE	Y	
60.4214(b)	Initial notification is not required for emergency engines.	Y	
60.4214(c)	Maintain records of any corrective action taken if backpressure monitor indicates that high backpressure limit has been approached	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	
63.6585(a)	Definition: stationary RICE	Y	
63.6585(c)	Definition: area source of HAPs	Y	
63.6590	Affected sources	Y	
63.6590(a)	Affected source is any existing, new, or reconstructed stationary RICE located at major or area source of HAP emissions	Y	
63.6590(a)(1)	Existing stationary RICE is:	Y	
63.6590(a)(1)(iii)	Located at an area source of HAP emissions, constructed before 6/12/2006	Y	
63.6590(a)(2)	New stationary RICE is:	Y	
63.6590(a)(2)(iii)	Located at an area source of HAP emissions, constructed on or after 6/12/2006		
63.6590(b)	Stationary RICE subject to limited requirements	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	
63.6590(b)(3)(vii)	Existing commercial emergency stationary RICE located at an area source of HAP emissions	Y	
63.6590(b)(3)(viii)	Existing institutional emergency stationary RICE located at an area source of HAP emissions	Y	

IV. Source Specific Applicable Requirements

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

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

IV. Source Specific Applicable Requirements

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Hours of operation limit for reliability-related activities [basis: Regulation 9-8-330, Cumulative Increase]	Y	
Part 3	Emergency conditions definition [basis: Regulation 9-8-231]	Y	
Part 4	Reliability related activities definition [basis: Regulation 9-8-232]	Y	
Part 5	Totalizing Meter requirements [basis: Regulation 9-8-530]	Y	
Part 6	Recordkeeping requirements [basis: Regulation 9-8-530, 1-441]	Y	
BAAQMD Condition 22820	Applies to S-680 and S-710		
Part 1	Hours of operation limit for reliability-related activities [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]	Y	
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	
Part 3	Totalizing Meter [basis: "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(e)(1)]	Y	
Part 4	Recordkeeping [basis: Regulation 2-6-501, "Stationary Diesel Engine ATCM" CA Code of Regulations, Title 17, Section 93115.10(g)]	Y	
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	
BAAQMD Condition 22825	Applies to S-690 and S-700		
Part 1	Hours of operation limit for reliability-related activities [basis: Regulation 2-5]	Y	
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	
Part 3	Totalizing Meter [[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]	Y	

IV. Source Specific Applicable Requirements

Table IV - J
S640 THROUGH S720 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	
BAAQMD Condition 22850	Applies to S-670 and S-720		
Part 1	Hours of operation limit for reliability-related activities [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]]	Y	
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	
Part 3	Totalizing Meter [[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]	Y	
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	
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	

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

Condition # 7502
For S8, REVERSE AIRFLOW AUTO-TRACK SPRAY BOOTH
S9, CUSTOM AIR AUTO SPRAY BOOTH

For S8:

1. The Owner/Operator shall not exceed 250 gallons of coating usage in any consecutive 12 month period. [basis: Cumulative Increase]

2. The Owner/Operator shall not exceed 125 gallons of net clean-up solvent in any consecutive 12 month period. [basis: Cumulative Increase]

3. The Owner/Operator of this source shall maintain a District approved usage log indicating the quantities of coatings and cleanup solvents used. These records shall be retained for at least five years from the last date of entry and be made available for review by the BAAQMD. [basis: Cumulative Increase]

For S9:

4. The Owner/Operator shall not exceed 250 gallons of coating usage in any consecutive 12 month period. [basis: Cumulative Increase]

5. The Owner/Operator shall not exceed 125 gallons of net clean-up solvent in any consecutive 12 month period. [basis: Cumulative Increase]

6. The Owner/Operator of this source shall maintain a District approved usage log indicating the quantities of coatings and cleanup solvents used. These records shall be retained for at least five years from the last date of entry and be made available for review by the BAAQMD. [basis: Cumulative Increase]

VI. Permit Conditions

Condition # 18324
For S270, 1850 HP DIESEL FIELD LIGHTING GENERATOR #1

1. The Owner/Operator shall ensure that S270 is checked for visible emissions after combustion of 1000 gallons of fuel oil. The visible emissions check shall take place during daylight hours, while the equipment is operating. If any visible emissions are detected, the Owner/Operator shall take corrective action within one week, and check for visible emissions after corrective action is taken. If no visible emissions are detected, the Owner/Operator shall continue to check for visible emissions at the same frequency. The Owner/Operator shall ensure that all incidents of visible emissions monitoring and any resulting corrective actions shall be recorded in a District approved log and kept for a 5 years from the date of entry. [basis: Regulation 2-6-409.2]

2a. The Owner/Operator shall ensure that S270 engine is operated for no more than 100 hours in any consecutive 12-month period for the purpose of reliability testing or in anticipation of imminent emergency conditions. Emergency conditions are failure of a regular power supply. [basis: Regulation 9-8-331]

2b. S270 engine may be operated for an unlimited amount of time for the purpose of providing emergency standby power during emergency conditions (as defined in Part 2a). [basis: Regulation 9-8-331]

3a. The Owner/Operator shall ensure that S270 engine is equipped with a properly maintained non-resettable totalizing counter, which records hours of operation for each engine. [basis: Regulation 9-8-530]

3b. The Owner/Operator shall ensure that the following monthly records for engine S270 are maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:
1) total hours of operation for each engine
2) hours of operation under emergency conditions engines and a description of the nature of the emergency condition
3) fuel usage for each engine [basis: Regulation 9-8-503]

4. The Owner/Operator shall ensure that the sulfur content of the fuel oil is certified by the fuel oil vendor . [basis: Regulation 2-6-409.2]

VI. Permit Conditions

Condition # 18329
For Source S100 Municipal Wastewater Treatment Plant, S110 - Preliminary Treatment, S120 - Preliminary Treatment, S130 - Secondary Treatment, S140 - Secondary Clarifiers, S150 - Sludge Handling Processes, S160 - Sludge Handling Processes, S170 Anaerobic Digesters, S180 – Reclamation, S200 - Industrial Wastewater Plant, S210 - Primary Treatment, S220 - Flow Equalization, S230 - Secondary Treatment, S240 - Secondary Clarifiers, S250 – Disinfection, S260 - Sludge Handling Processes

1. The Owner/Operator shall ensure that the total industrial wastewater discharge does not exceed the limit of 1.7 million gallons per day (mgd), during the wet weather season defined as November through May, and 1.2 mgd capacity during dry weather, June through October. (Basis: Regulation 2-1-234)

2. The Owner/Operator shall ensure that that the total sanitary sewer flow discharge shall not exceed 2.2 million gallons per day. (Basis: Regulation 2-1-234)

3. To determine compliance with the above conditions, the Owner/Operator shall maintain the following records: (Basis: Regulation 2-6-409.2)

    a. Daily and monthly records of the quantity of wastewater processed at this source.
    b. Monthly records shall be totaled for each consecutive 12-month period.
    c. All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request.
    d. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

4. The Owner/Operator shall ensure that emissions from S170 are abated at all times by combustion at S1. (Basis: Regulation 1-301, 8-2-301)

5. The Owner/Operator shall record the dates, hours of use, and purpose of flaring in a District approved logbook, when the flare (S1) is used. (Basis: Regulation 2-6-409.2)

6. The Owner/Operator shall ensure that the hydrogen sulfide content in the digester gas shall not exceed 2,250 ppm. (Basis: Regulation 9-1-302)

7. To demonstrate compliance with this standard the Owner/Operator shall monitor and record the hydrogen sulfide content of the digester gas at least once every calendar week. If the permit holder can demonstrate 3 months of digester sulfur results lower than 450 ppm the monitoring frequency for sulfur analysis may be reduced to at least once every calendar month. (Basis: Regulation 9-1-302)

VI. Permit Conditions

Condition # 18666
FOR S290, S320 THROUGH S340 AND S360 THROUGH S630, EMERGENCY GENERATORS

1. The Owner/Operator shall ensure that S290 through S340 and S360 through S630 are checked for visible emissions after combustion of 1000 gallons of fuel oil. The visible emissions check shall take place during daylight hours, while the equipment is operating. If any visible emissions are detected, the Owner/Operator shall take corrective action within one week, and check for visible emissions after corrective action is taken. If no visible emissions are detected, the Owner/Operator shall continue to check for visible emissions at the same frequency. The Owner/Operator shall ensure that all incidents of visible emissions monitoring and any resulting corrective actions shall be recorded in a District approved log and kept for a 5 years from the date of entry. [basis: Regulation 2-6-409.2]

2a. The Owner/Operator shall ensure that S290 through S340 and S360 through S630 engines are each operated for no more than 50 hours in any consecutive 12-month period for the purpose of reliability testing or in anticipation of imminent emergency conditions. Emergency conditions are failure of a regular power supply. [basis: Regulation 9-8-330]

2b. S290 through S340 and S360 through S630 engines may each be operated for an unlimited amount of time for the purpose of providing emergency standby power during emergency conditions (as defined in Part 2a). [basis: Regulation 9-8-330]

3a. The Owner/Operator shall ensure that S290 through S340 and S360 through S630 engines are each be equipped with a properly maintained non-resettable totalizing counter, which records hours of operation for each engine. [basis: Regulation 9-8-530]

3b. The Owner/Operator shall ensure that the following monthly records for each engine (S290 through S340 and S360 through S630) are maintained in a District-approved log for at least 5 years and shall be made available to the District upon request:
1) total hours of operation for each engine
2) hours of operation under emergency conditions and a description of the nature of the emergency condition
3) fuel usage for each engine [basis: Regulation 9-8-530]

4. The Owner/Operator shall ensure that the sulfur content of the fuel oil is certified by the fuel oil vendor . [basis: Regulation 2-6-409.2]

VI. Permit Conditions

Condition # 22336

S-660 Standby emergency diesel generator, powered by Cummins diesel engine Model KTA50-G9, U.S. EPA Nonroad Engine Family 5CEXL050.ABA, 2220 brake horsepower capacity.

1. Emergency standby diesel engine S-660 shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. [Basis: Cumulative Increase]

2. S-660 shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation for reliability-related activities shall not exceed 30 hours in any calendar year. Operation while mitigating emergency conditions is unlimited. [Basis: Regulation 9-8-330, Cumulative Increase]

3. "Emergency Conditions" is defined as any of the following:
   a. Failure of regular electric power supply.
   b. Flood mitigation.
   c. Sewage overflow mitigation.
   d. Fire.
   e. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.

   [Basis: Regulation 9-8-231]

4. "Reliability-related activities" is defined as any of the following:
   a. Operation of an emergency standby engine to test its ability to perform for an emergency use.
   b. Operation of an emergency standby engine during maintenance of a primary motor.
   c. Operation of an emergency standby engine after notification by the utility that involuntary curtailment is imminent but before the actual curtailment.

   [Basis: Regulation 9-8-232]

5. The emergency standby engine S-660 shall be equipped with either:
   a. A non-resettable totalizing meter that measures and records the hours of operation for the engine, or
   b. A non-resettable fuel usage meter.

   [Basis: Regulation 9-8-530]

6. The following monthly records shall be maintained in a District-approved log for at least 5 years and shall be made available for District inspection upon request:
   a. Total hours of operation.
   b. Hours of operation under emergency conditions and a description of the nature of each emergency condition.

VI. Permit Conditions

c. Fuel usage.
[Basis: Regulations 9-8-530, 1-441]

Condition # 22356

S-640 Standby emergency diesel generator (SPOE), powered by Cummins diesel engine Model QSM11-G1, U.S. EPA Engine Family 2CEXL0661AAD, 395 brake horsepower capacity

1. Emergency standby diesel engine S-640 shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor.[Basis: Cumulative Increase and BACT]

2. S-640 shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation for reliability-related activities shall not exceed 50 hours in any calendar year. Operation while mitigating emergency conditions is unlimited. [Basis: Regulation 9-8-330, Cumulative Increase]

3. "Emergency Conditions" is defined as any of the following:
a. Failure of regular electric power supply.
b. Flood mitigation.
c. Sewage overflow mitigation.
d. Fire.
e. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.
[Basis: Regulation 9-8-231]

4. "Reliability-related activities" is defined as any of the following:
a. Operation of an emergency standby engine to test its ability to perform for an emergency use.
b .Operation of an emergency standby engine during maintenance of a primary motor.
c. Operation of an emergency standby engine after notification by the utility that involuntary curtailment is imminent but before the actual curtailment.
[Basis: Regulation 9-8-232]

5. The emergency standby engine S-640 shall be equipped with either:
a. A non-resettable totalizing meter that measures and records the hours of operation for the engine, or
b. A non-resettable fuel usage meter.
[Basis: Regulation 9-8-530]

VI. Permit Conditions

6. The following monthly records shall be maintained in a District-approved log for at least 5 years and shall be made available for District inspection upon request:
   a. Total hours of operation.
   b. Hours of operation under emergency conditions and a description of the nature of each emergency condition.
   c. Fuel usage.
   [Basis: Regulations 9-8-530, 1-441]

Condition # 22357

S-650 Standby emergency diesel generator (Concourse H), powered by Cummins diesel engine Model KTA50-G2, Engine serial number: 33145663, 1620 brake horsepower capacity

1. Emergency standby diesel engine S-650 shall be fired exclusively on diesel fuel having a sulfur content no greater than 0.05% by weight. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. [Basis: Cumulative Increase and BACT]

2. S-650 shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation for reliability-related activities shall not exceed 30 hours in any calendar year. Operation while mitigating emergency conditions is unlimited. [Basis: Regulation 9-8-330, Cumulative Increase]

3. "Emergency Conditions" is defined as any of the following:
   a. Failure of regular electric power supply.
   b. Flood mitigation.
   c. Sewage overflow mitigation.
   d. Fire.
   e. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.
   [Basis: Regulation 9-8-231]

4. "Reliability-related activities" is defined as any of the following:
   a. Operation of an emergency standby engine to test its ability to perform for an emergency use.
   b. Operation of an emergency standby engine during maintenance of a primary motor.
   c. Operation of an emergency standby engine after notification by the utility that involuntary curtailment is imminent but before the actual curtailment.
   [Basis: Regulation 9-8-232]

VI. Permit Conditions

5. The emergency standby engine S-650 shall be equipped with either:
   a. A non-resettable totalizing meter that measures and records the hours of operation for the engine, or
   b. A non-resettable fuel usage meter.
   [Basis: Regulation 9-8-530]

6. The following monthly records shall be maintained in a District-approved log for at least 5 years and shall be made available for District inspection upon request:
   a. Total hours of operation.
   b. Hours of operation under emergency conditions and a description of the nature of each emergency condition.
   c. Fuel usage.
   [Basis: Regulations 9-8-530, 1-441]

Condition # 22820

Applicable to Emergency Diesel Engines S29, S270, S290, S320 through S340, S360 through S550, S680, S710

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(a)]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(a)]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (e)(1)]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.

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a. Hours of operation for reliability-related activities (maintenance and testing).
b. Hours of operation for emission testing to show compliance with emission limits.
c. Hours of operation (emergency).
d. For each emergency, the nature of the emergency condition.
e. Fuel usage for each engine(s).

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (g) or, Regulation 2-6-501]

5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:
The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.
"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.
[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(2)]

Condition # 22825

Applicable to Emergency Diesel Engines S690 and S700.

1. The owner/operator shall not exceed 25 hours per year per engine for reliability-related testing. [Basis: "Regulation 2-5]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(2)(A)(3) or (e)(2)(B)(3)]

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3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).
   [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or, Regulation 2-6-501)]

5. At School and Near-School Operation:
   If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

   The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

   "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.
   [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(2)(A)(1)] or (e)(2)(B)(2)]

Condition # 22850

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Applicable to Emergency Diesel Engines S670 and S720.

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(2)(A)(3) or (e)(2)(B)(3)]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(2)(A)(3) or (e)(2)(B)(3)]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: "Stationary Diesel Engine ATCM" section 93115,title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).
   [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or, Regulation 2-6-501)

5. At School and Near-School Operation:
   If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

   The owner/operator shall not operate each stationary emergency standby diesel-

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fueled engine for non-emergency use, including maintenance and testing, during the following periods:

a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, athletic field, or other areas of school property but does not include unimproved school property. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(2)(A)(1)] or (e)(2)(B)(2)]

Condition # 24638

1. Within 90 days of startup of emergency standby diesel generator sets (S-680 and S-710), the owner /operator shall shut down and surrender the operating permits for Boarding Area D Generators (S-310 and S-370). [Basis: Regulations 2-2-302 and 2-2-410]

Condition # 24716

S14 – High Temperature Hot Water Generator
S15 – High Temperature Hot Water Generator

1. When firing with natural gas, the owner/operator shall not exceed the following emissions limits of NOx and CO, in ppmdv at 3% O2:

	NOx	CO
S-14	9	50
S-15	9	50

*The NOx limit is the more stringent of the two.
[Basis: BACT]

2. When firing with fuel oil, the owner/operator shall not exceed the following NOx and CO emissions in ppmdv at 3% O2:

VI. Permit Conditions

	NOx	CO
S-14	100	50
S-15	100	50

[Basis: BACT]

3. When firing with natural gas, the owner/operator shall not allow the total combined heat input of S-14, and S- 15 to exceed 4,500,000 therms in any consecutive 12-month period. [Basis: Cumulative Increase]

4. The owner/operator shall record the combined usage of each fuel and total the monthly records for each fuel every rolling 12-month period. Records shall be kept at least 5 years from the date of entry and made available to the District staff upon request. [Basis: Cumulative Increase]

5. Deleted. (S-13 removed from service 5/19/11)

6. The owner/operator shall keep the certification records for the sulfur content of the fuel oil by the vendor. [Basis: Regulation 2-6-409.2]

7. The owner/operator shall check for visible emissions after the combined usage of 1000 gallons of fuel oil. The visible emissions check shall take place during daylight hours, while the equipment is operating. If any visible emissions are detected, the operator shall take corrective action within one week, and check for visible emissions after corrective action is taken. If no visible emissions are detected, the operator shall continue to check for visible emissions at the same frequency. All incidents of visible emissions monitoring and any resulting corrective actions shall be recorded in a District approved log and kept for a 5 years from the date of entry. [Basis: Regulation 2-6-409.2]

8. Deleted. (S-7 removed from service 5/10/10)

9. Deleted. (S-11 removed from service 6/7/08)

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Condition # 25080

S16 – High Temperature Hot Water Generator
S17 – High Temperature Hot Water Generator

1. The owner/operator shall fire exclusively natural gas fuel at sources S-16 and S-17. (basis: Cumulative Increase)

2. The owner/operator shall not exceed the total heat input of 1,217,260 therms at source S-16 and 1,208,390 therms at source S-17 during any consecutive 12 month period. Total heat input to sources S-14, S-15, S-16 and S-17 shall not exceed 1,560 therms per hour. (basis: Cumulative Increase)

3. To determine compliance with the part 2, the owner/operator of S-16 and S-17 shall install a dedicated non-resettable totalizing natural gas meters for each source and shall maintain the monthly records of natural gas consumption in a District approved log. These logs shall be kept for at least 5 years and shall be made available to the District upon request. (basis: Cumulative Increase)

4. The owner/operator of each source S-16 and S-17 shall not allow NOx emissions, calculated as NO2, at the stack outlets to exceed 9 ppmvd @ 3% oxygen while operating at 25% to 100% full load range. (basis: Cumulative Increase, BACT)

5. The owner/operator of each source S-16 and S-17 shall not allow CO emissions at the stack outlets to exceed 50 ppmvd @ 3% oxygen while operating at 25% to 100% full load range. (basis: Cumulative Increase, BACT)

6. (A/C startup source test condition deleted.)

7. The owner/operator of S-16 and S-17 shall perform a District approved source test once every two years to demonstrate compliance with Parts 4 and 5, and the results of these tests shall be submitted to the District's Source Test Section for review and disposition. (basis: Cumulative Increase, BACT, Regulation 2-1-403)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

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
Opacity	BAAQMD 6-1-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf	BAAQMD 6-1-401	P/E	Visible Emissions Check
SO2	BAAQMD 9-1-301	Y		GLC[1] ≤0.5 ppm for 3 min or ≤ 0.25 ppm for 60 min or ≤ 0.05 ppm for 24 hours	None	N	NA
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 18329, Parts 6 and 7	P/W	monitoring of digester gas hydrogen sulfide

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H2S	Condition # 18329 Part 6	Y		2,250 ppm	Condition # 18329, Parts 6 and 7	P/W	Monitoring of digester gas hydrogen sulfide
H_2S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: $\leq$ 0.06 ppm, averaged over 3 minutes and $\leq$ 0.03 ppm, averaged over 60 minutes	BAAQMD 9-2-501 9-2-602	C	Area Monitoring
POC	BAAQMD 8-2-301	Y		15 lb/day and greater than 300 ppm total carbon	None	N	None
Hours of Operation	Condition # 18329 Part 4	Y		At all times abating S170	BAAQMD Condition # 18329 Part 5	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
S8 – Reverse Airflow Auto-Track Spray Booth
S9 – Custom Air Auto Spray Booth

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

VII. Applicable Limits and Compliance Monitoring Requirements

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

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

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
Through-put	Condition # 7502, Part 1	Y		Coating Usage ≤ 250 gals/yr	Condition # 7502, Part 3	P/A	Records
Through-put	Condition # 7502, Part 2	Y		Net Clean-up Solvent Usage ≤ 125 gals/yr	Condition # 7502, Part 3	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C2
S9 – CUSTOM AIR AUTO SPRAY BOOTH

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

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
NOx	SIP 9-7-301.1	Y		30 ppmv @ 3%O2, dry, 3-hr average	None	N	None
NOx (S14 and S15)	Condition # 24716, Part 1	Y		9 ppmv @ 3%O2, dry, 3-hr average	None	N	None
NOx (S14 and S15)	Condition # 24716, Part 2	Y		100 ppmv @ 3%O2, dry, 3-hr average (fuel oil fired)	None	N	None
NOx (S16 and S17)	Condition # 25080, Part 4	Y		9 ppmv @ 3%O2, dry, 3-hr average	Condition # 25080, Part 7	P/2 years	Source Test
NOx	BAAQMD 9-7-307.5	N		9 ppmv @ 3%O2, dry, 3-hr average	BAAQMD 9-7-403 9-7-506	P/A	Source Test
NOx (S14 and S15)	BAAQMD 9-7-113.2 SIP 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx (S14 and S15)	BAAQMD 9-7-113.2 SIP 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None
CO	SIP 9-7-301.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None
CO	BAAQMD 9-7-307.5	N		400 ppmv @ 3%O2, dry, 3-hr average	BAAQMD 9-7-403 9-7-506	P/A	Source Test
CO	SIP 9-7-305.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None
CO	SIP 9-7-306.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None
CO (S14 and S15)	Condition # 24716, Part 1	Y		50 ppmv @ 3%O2, dry, 3-hr average	None	N	None
CO (S14 and S15)	Condition # 24716, Part 2	Y		50 ppmv @ 3%O2, dry, 3-hr average (fuel oil fired)	None	N	None
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
Opacity (S14 and S15)	BAAQMD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	Condition # 24716, Part 7	P/1000 gallons of Fuel Oil	Visible Emissions Check
FP (S14 and S15)	BAAQMD 6-1-310.3 SIP 6-310.3	Y		0.15 gr/dscf at 6% O2	Condition # 24716, Part 7	P/1000 gallons of Fuel Oil	Visible Emissions Check

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	Y		GLC[1] ≤0.5 ppm for 3 min or ≤0.25 ppm for 60 min or ≤0.05 ppm for 24 hours	None	N	None
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	None	N	None
SO2	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 24716, Part 6	P/E	Fuel Oil Certification
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
Heat Input (S16)	Condition # 25080, Part 2	Y		Natural Gas not to exceed 1,217,260 therms/Consecutive 12-months	Condition # 25080, Part 3	P/M	Records
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
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
Equip-ment Testing	BAAQMD 9-7-113.1 SIP 9-7-306.3	Y		Hours of Equipment Testing ≤ 48/yr	BAAQMD 9-7-503.3 & Condition # 18329 Part 6	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
S100 - WATER QUALITY CONTROL PLANT; S110 - PRELIMINARY TREATMENT; S120 - PRIMARY TREATMENT; S130 - SECONDARY TREATMENT; S140 - SECONDARY CLARIFIERS; S150 - DISINFECTION; S160 - SLUDGE HANDLING PROCESSES; 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
Opacity	BAAQMD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	BAAQMD 6-1-401	P/E	Visible Emissions Check
VOC	BAAQMD 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	None
Through-put	BAAQMD Condition # 18329 Part 1	Y		Industrial Wastewater Discharge < 1.7 E6 gal/day during November through May; < 1.2 E6 gal/day during June through October	BAAQMD Condition # 18329 Part 3	P/D & P/M	Records
Through-put	BAAQMD Condition # 18329 Part 2	Y		Sanitary Sewer Discharge < 2.2 E6 gal/day	BAAQMD Condition # 18329 Part 3	P/D & P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
S170 - ANAEROBIC DIGESTERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301 SIP 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	BAAQMD 6-1-401	P/E	Visible Emissions Check
VOC	BAAQMD 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	None
Odors	BAAQMD 1-301	N		None	BAAQMD Condition # 18329 Part 5	P/E	Records
H_2S	BAAQMD Regulation 9-2-301	N		0.06 ppm H2S over 3 min or 0.03 ppm H2S over 60 min	None	N	None
Digester Gas Sulfur Content	BAAQMD Condition 18329 Part 6	Y		2,250 ppm	BAAQMD Condition 18329 Part 7	P/W	Weekly digester gas testing

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303 SIP 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	Condition # 18324, Part 1	P/1000 gal fuel oil	Visible Emissions Check
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	Condition # 18324, Part 1	P/1000 gal fuel oil	Visible Emissions Check
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
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 18324, Part 4	P/E	Fuel Oil Certification
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 18324, Part 4	P/E	Fuel Oil Certification
SO2	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 18324, Part 4	P/E	Fuel Oil Certification
Emergency	BAAQMD 9-8-331.1 & Condition # 18324 Part 2b	N		Unlimited Emergency Operation	BAAMQD 9-8-530 & Condition # 18324 Part 3b	P/M	Records
Reliability Related Activities	BAAQMD 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

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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

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
Opacity	BAAQMD 6-1-303 SIP 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	Condition # 18666, Part 1	P/1000 gal fuel oil	Visible Emissions Check
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	Condition # 18666, Part 1	P/1000 gal fuel oil	Visible Emissions Check
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
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 18666, Part 4	P/E	Fuel Oil Certification
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 18666, Part 4	P/E	Fuel Oil Certification

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 18666, Part 4	P/E	Fuel Oil Certification
Emer-gency	BAAQMD 9-8-330.1 & Condition # 18666 Part 2b	N		Unlimited Emergency Operation	BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records
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
Reli-ability Related Activities	BAAQMD 9-8-330.3 & Condition # 18666 Part 2a	N		Hours of Reliability Related Activities ≤ 50/yr	BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
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
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
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
Opacity	BAAQMD 6-1-303 SIP 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	BAAQMD 6-1-401	P/E	Visible Emissions Check
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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-310 SIP 6-310	Y		0.15 gr/dscf	None	N	None
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
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
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
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	None
SO2 S640	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22356, Part 1	P/E	Fuel Oil Certification
SO2 S650	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22357, Part 1	P/E	Fuel Oil Certification
SO2 S660	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	Condition # 22336, Part 1	P/E	Fuel Oil Certification
SO2	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2 S640	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22356, Part 1	P/E	Fuel Oil Certification
SO2 S650	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22357, Part 1	P/E	Fuel Oil Certification
SO2 S660	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 22336, Part 1	P/E	Fuel Oil Certification
SO2	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	None	N	None
SO2 S640	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 22356, Part 1	P/E	Fuel Oil Certification
SO2 S650	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 22357, Part 1	P/E	Fuel Oil Certification
SO2 S660	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 22336, Part 1	P/E	Fuel Oil Certification
SO2	CCR, Title 17, Section 93115.5	Y		Sulfur Content of Fuel Oil $\leq$ 0.05 wt% (CARB Diesel)	None	N	None
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
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
SO2 S660	Condition # 22336, Part 1	Y		Sulfur Content of Fuel Oil $\leq$ 0.05 wt%	Condition # 22336, Part 1	P/E	Fuel Oil Certification
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
Emer-gency	BAAQMD 9-8-330.1	N		Unlimited Emergency Operation	BAAMQD 9-8-530	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Emergency S640	Condition # 22356 Part 2	N		Unlimited Emergency Operation	Condition # 22356 Part 6	P/M	Records
Emergency S650	Condition # 22357 Part 2	N		Unlimited Emergency Operation	Condition # 22357 Part 6	P/M	Records
Emergency S660	Condition # 22336 Part 2	N		Unlimited Emergency Operation	Condition # 22336 Part 6	P/M	Records
Emergency S680 S710	Condition # 22820 Part 2	N		Unlimited Emergency Operation	Condition # 22820 Part 4	P/M	Records
Emergency S690 S700	Condition # 22825 Part 2	N		Unlimited Emergency Operation	Condition # 22825 Part 4	P/M	Records
Emergency S670	Condition # 22850 Part 2	N		Unlimited Emergency Operation	Condition # 22850 Part 4	P/M	Records
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 $\leq$ 50/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22356 Part 6	P/M	Records
Reliability Related Activities S650	CCR, Title 17, Section 93115.6(b)(3)(A)(1)(b) & Condition # 22357 Part 2	N		Hours of Reliability Related Activities $\leq$ 30/yr	CCR, Title 17, Section 93115.10(g) & Condition # 22357 Part 6	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
S640 THROUGH S720 EMERGENCY GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
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
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
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

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits included in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD 6-310.3	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Reference Method 5 (40 CFR 60, Appendix A), Determination of Particulate Emissions from Stationary Sources
BAAQMD 8-2-301	General Operations	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A
BAAQMD 8-19-302 & 312	Determination of Emissions	Manual of Procedures, Volume IV, ST-7, Volatile Organic Compounds or EPA Method 25 or 25A
BAAQMD 8-45-301.1	Determination of Emissions	Manual of Procedures, Volume IV, ST-7, Volatile Organic Compounds or EPA Method 25 or 25A
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-7-301.1, 305.1, 306.1	Determination of Nitrogen Oxide	Manual of Procedures, Volume IV, ST-13A or B, Nitrogen Oxides Sampling

VIII. Test Method

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-7-301.2, 305.2, 306.2	Determination of Carbon Monoxides and Stack-Gas Oxygen	Manual of Procedures, Volume IV, ST-6 (Carbon Monoxides) and ST-14 (Oxygen)

IX. PERMIT SHIELD

Not applicable.

X. REVISION HISTORY

Initial Major Facility Review Permit Issuance (Application 1943): April 14, 2004

Renewed Major Facility Review Permit Issuance (Application 18948): July 27, 2012

Application Number(s)	Description
11596	S640 & S650 New Standby Emergency Diesel Generators.
12555	S660 New Standby Emergency Diesel Generator.
15044	S20, S21. S22 Gasoline Dispensing Facility
18186	Gasoline Dispensing Facility Modification
21138	S14 and S15 New High Temperature Hot Water Generators
21458	S680 & S710 New Standby Emergency Diesel Generators.
21514	S690 & S700 New Standby Emergency Diesel Generators.
23441	S16 and S17 New High Temperature Hot Water Generators
24331	S720 New Standby Emergency Diesel Generator

Minor Revision to Major Facility Review Permit (Application 24715): March 4, 2013
Permit condition change for S16 and S17

Administrative Amendment (Application 28204): October 7, 2016
Change Responsible Official
from John L. Martin to Ivar C. Satero
Updated District New Address.

Administrative Amendment (Application 728781): June 12, 2025
Change Responsible Official
from Ivar Satero to Mike Nakornkhet
Change Contact from Sam Mehta to Sarah Scheidt.

XI. GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

Basis
The underlying authority that allows the District to impose requirements.

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CCR
California Code of Regulations

CEC
California Energy Commission

CEQA
California Environmental Quality Act

CEM
Continuous Emission Monitor: a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

XI. Glossary

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon Monoxide

CO_2
Carbon Dioxide

Cumulative Increase
The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District
The Bay Area Air Quality Management District

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District regulations.

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

XI. Glossary

FP
Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

FR
Federal Register

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grain
1/7000 of a pound

HAP
Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

LOE
Loss of Exemption.

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MFR
Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Federal Clean Air Act and implemented by District Regulation 2, Rule 6.

MOP
The District's Manual of Procedures.

MSDS
Material Safety Data Sheet

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

XI. Glossary

NESHAPS
National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Federal Clean Air Act, and implemented by 40 CFR Part 60 and District Regulation 10.

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
The chemical name for naturally-occurring oxygen gas.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility
A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM_{10}
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

XI. Glossary

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of those air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SIP
State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO2
Sulfur dioxide

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Units

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

XI. Glossary

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
cfm	=	cubic feet per minute
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
gr	=	grain
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
M	=	thousand
MM	=	million
mm	=	millimeter
MMbtu	=	million btu
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

Symbols:

<	=	less than
>	=	greater than
≤	=	less than or equal to
≥	=	greater than or equal to