Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Proposed

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**
John L. Martin,	Sam Mehta
Airport Director	Environmental Control Section Head
(650) 821-7841	(650) 821-7841

Type of Facility: Airport
Primary SIC: 4581
Product: San Francisco International Airport

BAAQMD Permit Division Contact:
M.K. Carol Lee

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

_____ _____

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

TABLE OF CONTENTS

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 5/2/01);

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 8/1/01);

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 5/17/00);

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 5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on [ ] and expires on [when issued, enter 5th anniversary of issue date]. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than [when issued, enter date 6 months prior to permit expiration date] and no earlier than [when issued, enter date 12 months prior to expiration date]. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** [when issued, enter 5th anniversary of issue date]**.** (Regulation 2-6-307, 404.2, & 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 condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

I. Standard Conditions

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)

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)

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)

I. Standard Conditions

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 [date of issuance] to [six months later]. The report shall be submitted by [one month after end of reporting period]. Subsequent reports shall be for the following periods: [_____ 1st through _____ 30th or 31st] and [_____ 1st through _____ 30th or 31st], 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
939 Ellis Street
San Francisco, CA 94109
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 _____ 1st to _____ 30th or 31st. The certification shall be submitted by _____ 30th or 31st 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 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 of the Air Division
USEPA, Region IX
75 Hawthorne Street

I. Standard Conditions

San Francisco, CA 94105
Attention: Air-3

(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
7	High Temperature Hot Water Generator (Natural Gas fired, Fuel Oil Backup)	NA	Burner - Coen Model DAF 24	63 MMBTU/hr
8	Reverse Airflow Auto-Track Spray Booth	Custom	ASD 2712	NA
9	Custom Air Auto Spray Booth	Custom	CRA-3318	NA
11	High Temperature Hot Water Generator Boiler (Natural Gas fired, Fuel Oil Backup)	IBW	Burner – Coen Model 210 SAZ 20	32 MMBTU/hr
12	High Temperature Hot Water Generator Boiler (Natural Gas fired, Fuel Oil Backup)	IBW	Burner – Coen Model 210 SAZ 20	32 MMBTU/hr
13	High Temperature Hot Water Generator Boiler (Natural Gas fired, Fuel Oil Backup)	IBW	TJW-C-50	62.5 MMBTU/hr
100	Water Quality Control Plant	Custom	NA	2.2 MM gal/day
110	Preliminary Treatment	Custom	NA	2.2 MM gal/day
120	Preliminary Treatment	Custom	NA	2.2 MM gal/day
130	Secondary Treatment	Custom	NA	2.2 MM gal/day
140	Secondary Clarifiers	Custom	NA	2.2 MM gal/day
150	Sludge Handling Processes	Custom	NA	2.2 MM gal/day
160	Sludge Handling Processes	Custom	NA	2.2 MM gal/day
170	Anaerobic Digesters	Custom	NA	2.2 MM gal/day
180	Reclamation	Custom	NA	2.2 MM gal/day
200	Industrial Wastewater Plant	Custom	NA	2.2 MM gal/day
210	Primary Treatment	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
220	Flow Equalization	Custom	NA	2.2 MM gal/day
230	Secondary Treatment	Custom	NA	2.2 MM gal/day
240	Secondary Clarifiers	Custom	NA	2.2 MM gal/day
250	Disinfection	Custom	NA	2.2 MM gal/day
260	Sludge Handling Processes	Custom	NA	2.2 MM gal/day
270	1850 HP Diesel Field Lighting Generator #1	Cummins	KTA 50-G3	12.0 MMBTU/hr 1850 hp
280	1135 HP Diesel Field Lighting Generator #2	Cummins	KTA 38-GS1	7.0 MMBTU/hr 1135 hp
290	Emergency Generator (diesel fuel)	Caterpillar	128-2846	14.2 MMBTU/hr 2172 hp
300	Emergency Generator (diesel fuel)	Caterpillar	D334	1.96 MMBTU/hr 300 hp
310	Emergency Generator (diesel fuel)	Cummins	VTA-1710G2	5.89 MMBTU/hr 900 hp
320	Emergency Generator (diesel fuel)	Cummins	KTTA50-G2	14.52 MMBTU/hr 2220 hp
330	Emergency Generator (diesel fuel)	Cummins	KTTA50-G2	14.52 MMBTU/hr 2220 hp
340	Emergency Generator (diesel fuel)	Cummins	KTA-50-G3	12.10 MMBTU/hr 1850 hp
360	Emergency Generator (diesel fuel)	Cummins	LTA10-G1	2.49 MMBTU/hr 380 hp
370	Emergency Generator (diesel fuel)	Cummins	NTA-855-G2	3.04 MMBTU/hr 465 hp
380	Emergency Generator (diesel fuel)	Cummins	6BT59G-2	1.09 MMBTU/hr 166 hp
390	Emergency Generator (diesel fuel)	Cummins	NTA-855-G6	3.96 MMBTU/hr 605 hp
400	Emergency Generator (diesel fuel)	Cummins	KTA19-G2	3.92 MMBTU/hr 600 hp
410	Emergency Generator (diesel fuel)	Cummins	NT-855-G6	2.84 MMBTU/hr 434 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
420	Emergency Generator (diesel fuel)	Cummins	VTA-28-G5	5.89 MMBTU/hr 900 hp
430	Emergency Generator (diesel fuel)	Cummins	NTA-855-G5	3.96 MMBTU/hr 605 hp
440	Emergency Generator (diesel fuel)	Cummins	KTTAAAA 50-G2	14.52 MMBTU/hr 2220 hp
450	Emergency Generator (diesel fuel)	Cummins	KTTAAAA 50-G2	14.52 MMBTU/hr 2220 hp
460	Emergency Generator (diesel fuel)	Cummins	KTTA19-G2	4.91 MMBTU/hr 750 hp
470	Emergency Generator (diesel fuel)	Cummins	VT171GPG 700	4.58 MMBTU/hr 700 hp
480	Emergency Generator (diesel fuel)	Cummins	LTA10-G1	2.49 MMBTU/hr 380 hp
490	Emergency Generator (diesel fuel)	Cummins	71237305	4.12 MMBTU/hr 630 hp
500	Emergency Generator (diesel fuel)	Detroit Diesel	71637305	5.43 MMBTU/hr 830 hp
510	Emergency Generator (diesel fuel)	Detroit Diesel	71637305	4.91 MMBTU/hr 750 hp
520	Emergency Generator (diesel fuel)	Detroit Diesel	6-71	1.56 MMBTU/hr 238 hp
530	Emergency Generator (diesel fuel)	John Deere	6059TF003	1.08 MMBTU/hr 165 hp
540	Emergency Generator (diesel fuel)	John Deere	6059TF	0.98 MMBTU/hr 150 hp
550	Emergency Generator (diesel fuel)	John Deere	6059TF003	1.08 MMBTU/hr 165 hp
560	Emergency Generator (diesel fuel)	Caterpillar	3112	4.90 MMBTU/hr 749 hp
570	Emergency Generator (diesel fuel)	Caterpillar	3412	7.19 MMBTU/hr 1100 hp
580	Emergency Generator (diesel fuel)	Caterpillar	3508STD	8.74 MMBTU/hr 1337 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
590	Emergency Generator (diesel fuel)	Cummins	VT12800GS	3.93 MMBTU/hr 601 hp
600	Emergency Generator (diesel fuel)	Cummins	VT171GPG700	4.58 MMBTU/hr 700 hp
610	Emergency Generator (diesel fuel)	Marathon Electric	1750TG1	2.32 MMBTU/hr 345 hp
620	Emergency Generator (diesel fuel)	Whisperwatt, ISUZU	QD-145(6BD1)	0.51 MMBTU/hr 78 hp
630	Emergency Generator (diesel fuel)	Whisperwatt, ISUZU	QD-145(6BD1)	0.50 MMBTU/hr 77 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

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 included at the end of this permit.

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 (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (1/26/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	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 (3/6/02)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD 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 3	Organic Compounds - Architectural Coatings (11/21/01)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/18/98)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (09/16/87)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	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
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 (12/4/91)	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 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y
Subpart M, 40 CFR 61	Asbestos Demolition and Renovation	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 at the end 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 (5/2/01)**		
1-107	Combination of Emissions	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	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)**	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	

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
9-1-302	General Emission Limitations	Y	
BAAQMD Condition # 18329			
Part 3	Odor abatement (basis: Regulation 1-301)	Y	
Part 4	Flaring recordkeeping (basis: Regulation 2-6-409.2)	Y	
Part 5	Digester Gas sulfur limit (9-1-302)	Y	
Part 6	Monitoring (2-6-409.2)	Y	

Table IV - B
Source-specific Applicable Requirements
S7 – HIGH TEMPERATURE HOT WATER GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	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 (9/16/92)**		
9-7-301	Emissions Limit, Gaseous Fuel	Y	

IV. Source Specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S7 – HIGH TEMPERATURE HOT WATER GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition # 7506			
Part 1	NOx emissions limit when firing natural gas [basis: Regulation 9-7-301.1]	Y	
Part 2	Fuel limitation [basis: Cumulative Increase]	Y	
Part 3	Sulfur content of fuel oil limitation [basis: Cumulative Increase]	Y	
Part 4	Recordkeeping [basis: Cumulative Increase]	Y	
Part 5	Source Test Requirement [basis: Regulation 2-6-409.1]	Y	
Part 6	Fuel oil certification [basis: Regulation 2-6-409.1]	Y	
Part 7	Visible emissions monitoring [basis: Regulation 2-6-409.1]	Y	
Part 8	Thermal capacity limitation [basis: Cumulative Increase]	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
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	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 (5/15/96)**		
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 (12/20/95)**		
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	
8-19.-320	Solvent Evaporative Loss Minimization	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-501	Records	Y	

IV. Source Specific Applicable Requirements

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
S11 – High Temperature Hot Water Generator
S12 – High Temperature Hot Water Generator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	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 (9/16/92)**		
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	
BAAQMD Condition # 18328			

IV. Source Specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S11 – High Temperature Hot Water Generator
S12 – High Temperature Hot Water Generator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Fuel limitation [basis: Cumulative Increase]	Y	
Part 2	Source Test Requirement [basis: Regulation 2-6-409.1]	Y	
Part 3	Sulfur content of fuel oil limitation [basis: Cumulative Increase]	Y	
Part 4	Visible emissions monitoring [basis: Regulation 2-6-409.1]	Y	
Part 5	Thermal capacity limitation [basis: Cumulative Increase]	Y	
Part 6	Recordkeeping [basis: Regulation 2-6-409.1]	Y	

Table IV - E
S13 – High Temperature Hot Water Generator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	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 (9/16/92)**		
9-7-301	Emissions Limit, Gaseous Fuel	Y	
9-7-301.1	Performance Standard, NOx	Y	
9-7-301.2	Performance Standard, CO	Y	

IV. Source Specific Applicable Requirements

Table IV - E
S13 – HIGH TEMPERATURE HOT WATER GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
BAAQMD Condition # 14614			
Part 1	NOx and CO emissions limit when firing natural gas [basis: BACT]	Y	
Part 2	NOx and CO emissions limit when firing natural gas [basis: BACT]	Y	
Part 3	Installation of fuel meter [basis: Cumulative Increase]	Y	
Part 4	Natural gas usage limit [basis: Cumulative Increase]	Y	
Part 5	Fuel limitation [basis: Cumulative Increase]	Y	
Part 6	Sulfur content of fuel oil limitation [basis: Cumulative Increase]	Y	
Part 7	Recordkeeping [basis: Cumulative Increase]	Y	
Part 8	Source Test Requirement [basis: Regulation 2-6-409.1]	Y	
Part 9	Fuel oil certification [basis: Regulation 2-6-409.1]	Y	
Part 10	Visible emissions monitoring [basis: Regulation 2-6-409.1]	Y	

IV. Source Specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S100 - WATER QUALITY CONTROL PLANT; S110 - PRELIMINARY TREATMENT; S120 - PRELIMINARY TREATMENT; S130 - SECONDARY TREATMENT; S140 - SECONDARY CLARIFIERS; S150 - SLUDGE HANDLING PROCESSES; 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 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	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	

IV. Source Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 18329			
Part 3	Odor abatement (basis: Regulation 1-301)	Y	
Part 4	Flaring recordkeeping (basis: Regulation 2-6-409.2)	Y	
Part 5	Digester Gas sulfur limit (9-1-302)	Y	
Part 6	Monitoring (2-6-409.2)	Y	

Table IV - H
S270 - 1850 HP DIESEL FIELD LIGHTING GENERATOR #1
S280 - 1135 HP DIESEL FIELD LIGHTING GENERATOR #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD 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	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		
9-8-331	Essential Public Service, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition # 18324			

IV. Source Specific Applicable Requirements

Table IV - H
S270 - 1850 HP Diesel Field Lighting Generator #1
S280 - 1135 HP Diesel Field Lighting Generator #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	

Table IV - I
S-290 through S-340 and S-360 Through S630 Emergency Generators

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD 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	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		
9-8-331	Essential Public Service, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
BAAQMD Condition # 18666			

IV. Source Specific Applicable Requirements

Table IV - I
S-290 THROUGH S-340 AND S-360 THROUGH S630 EMERGENCY GENERATORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	

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~~)~~. Coating usage shall not exceed 250 gallons in any consecutive 12 month period. [basis: Cumulative Increase]

2~~)~~. Net clean-up solvent shall not exceed 125 gallons in any consecutive 12 month period. [basis: Cumulative Increase]

~~2~~3~~)~~. The 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 ~~two~~ five years from the last date of entry and be made available for review by the BAAQMD. [basis: Cumulative Increase]

For S9:

~~1~~4~~)~~. Coating usage shall not exceed 250 gallons in any consecutive 12 month period. [basis: Cumulative Increase]

~~2~~5~~)~~. Net clean-up solvent shall not exceed 125 gallons in any consecutive 12 month period. [basis: Cumulative Increase]

~~3~~6~~)~~. The 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 ~~two~~ five years from the last date of entry and be made available for review by the BAAQMD. [basis: Cumulative Increase]

VI. Permit Conditions

Condition # 7506
For S7, HIGH TEMPERATURE HOT WATER GENERATOR

For S7:

1~~).~~. Emissions of NOx shall not exceed 30 ppmv corrected to 3% oxygen when fired on natural gas. [basis: Regulation 9-7-301.1]

2~~).~~. ~~S~~ S7 shall only burn natural gas except during short testing periods using fuel oil (not exceeding ~~100~~ 48 hours per year) or during periods of natural gas curtailment by Pacific Gas and Electric Co. [basis: Cumulative Increase]

3~~).~~. The source shall not burn fuel oil having a sulfur content greater than 0.2% by weight. [basis: BACT]

4~~).~~. The usage of natural gas and fuel oil shall be recorded in a District approved log and retained for at least ~~two~~ five years from the date of entry. The fuel oil usage entries shall also specify the actual days of fuel oil burning. The log shall be kept on site and be made available to the District staff upon request. [basis: Cumulative Increase]

5. A District approved source test shall be performed on an annual basis for S7 to verify compliance with the NOx and CO emissions standards of Regulation 9-7-301, 305, and 306. [basis: Regulation 2-6-409.2]

6. The sulfur content of the fuel oil shall be certified by the fuel oil vendor . [basis: Regulation 2-6-409.2]

7. S7 shall be 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 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. Thermal Capacity Limitations: Total thermal throughput shall not exceed 63 MM Btu/hr. (Basis: Cumulative Increase)

VI. Permit Conditions

Condition # 14614
For S13, HIGH TEMPERATURE HOT WATER GENERATOR

1. NOx emissions from ~~S-~~S13 shall not exceed 25 ppmdv @ 3% O2 and CO from ~~S-~~S13 emissions shall not exceed 100 ppmdv @ 3% O2 when firing natural gas. [basis: BACT]

2. NOx emissions from ~~S-~~S13 shall not exceed 60 ppmdv @ 3% O2 and CO from ~~S-~~S13 emissions shall not exceed 100 ppmdv @ 3% O2 when firing fuel oil. [basis: BACT]

3. Non-resettable, totalizing fuel flow meters shall be installed on the natural gas and No. 2 Fuel Oil supply lines serving ~~S-~~S13. [basis: Cumulative Increase]

4. Total annual heat input to ~~S-~~S13 shall not exceed 2,184,375 therms natural gas. [basis: Cumulative Increase]

5. Source S13, High Temperature Water Generator, shall burn only natural gas except that diesel oil is ~~be~~ permitted only during short test periods (~~100~~ 48 hours/year maximum) and/or during periods of natural gas curtailment by Pacific Gas & Electric Company. [basis: Cumulative Increase]

6. Source S13 shall not burn diesel oil having a sulfur content greater than 0.5% by weight. [basis: Regulation 9-1-304]

7. The usage of diesel oil and natural gas shall be recorded in a District approved data log and retained for at least ~~two~~ five years from date of entry. The diesel oil usage entries shall specify the actual days of oil burning. This log shall be kept on site and made available to the District staff upon request. [basis: Cumulative Increase]

8. A District approved source test shall be performed on an annual basis for S13 to verify compliance with the NOx and CO emissions standards of Regulation 9-7-301, 305, and 306. [basis: Regulation 2-6-409.2]

9. The sulfur content of the fuel oil shall be certified by the fuel oil vendor . [basis: Regulation 2-6-409.2]

10. S13 shall be checked for shall be 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 operator shall take corrective action within one week, and check for visible emissions after corrective action is taken. If no visible emissions are

VI. Permit Conditions

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]

Condition # 18324
For S270, 1850 HP DIESEL FIELD LIGHTING GENERATOR #1
S280, 1135 HP DIESEL FIELD LIGHTING GENERATOR #2

1. ~~S-270 and S-280 engines are subject to the requirements of Regulation 9, Rule 1 ("Sulfur Dioxide"), and the requirements of Regulation 6 ("Particulate and Visible Emissions"). This engine may be subject to other District regulations, including Regulation 9, Rule 8 ("NOx and CO from Stationary Internal Combustion Engines") in the future. [basis: Regulation 9, Rule 1; Regulation 6]~~***[condition deleted because it is redundant to existing regulation]*** S270 and S280 shall be checked for shall be 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 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]

2a. ~~S-~~S270 and ~~S-~~S280 engines shall each be operated for no more than 200 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. ~~S-~~S270 and ~~S-~~S280 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 9-8-331]

3a. ~~S-~~S270 and ~~S-~~S280 engines shall each be equipped with a non-resettable totalizing counter, which records hours of operation for each engine. [basis: Regulation 9-8-530]

3b. The following monthly records for each engine (~~S-~~S270 and ~~S-~~S280) shall be maintained in a District-approved log for at least ~~2~~ 5 years and shall be made available to the District upon request:
1) total hours of operation for each engine

VI. Permit Conditions

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 sulfur content of the fuel oil shall be certified by the fuel oil vendor . [basis: Regulation 2-6-409.2]

Condition # 18328
FOR S11 – HIGH TEMPERATURE HOT WATER GENERATOR
S12 – HIGH TEMPERATURE HOT WATER GENERATOR

1. Sources S11 and S12 , High Temperature Water Generators, shall burn only natural gas except that diesel oil is permitted only during short test periods (48 hours/year maximum) and/or during periods of natural gas curtailment by Pacific Gas & Electric Company. [basis: Regulation 9-1-306.3]

2. A District approved source test shall be performed on an annual basis for S11 and S12 to verify compliance with the NOx and CO emissions standards of Regulation 9-7-301, 305, and 306. [basis: Regulation 2-6-409.2]

3. The sulfur content of the fuel oil shall be certified by the fuel oil vendor. [basis: Regulation 2-6-409.2]

4. S11 and S12 shall be checked for shall be 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 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]

5. Thermal Capacity Limitations: Total thermal throughput shall not exceed 32 MM Btu/hr for S11. Total thermal throughput shall not exceed 32 MM Btu/hr for S12. (Basis: Cumulative Increase)

6. The usage of diesel oil and natural gas shall be recorded in a District approved data log and retained for at least five years from date of entry. The diesel oil usage entries shall specify the actual days of oil burning. This log shall be kept on site and made available to the District staff upon request. [basis: Cumulative Increase]

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. For industrial wastewater, total wastewater discharge shall 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. For sanitary sewer flow, total discharge shall not exceed 2.2 million gallons per day. (Basis: Regulation 2-1-234)

3. To determine compliance with the above conditions, the Permit Holder 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. Emissions from S170 shall be abated at all times by combustion at A1. (Basis: Regulation 1-301, 8-2-301)

5. The permit holder shall record the dates, hours of use, and purpose of flaring in a District approved logbook, when the flare (A1) is used. (Basis: Regulation 2-6-409.2)

6. The hydrogen sulfur content in the digester gas shall not exceed 2,250 ppm. (Basis: Regulation 9-1-302)

7. To demonstrate compliance with this standard the permit holder 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- THROUGH S340 AND S360 THROUGH S630, EMERGENCY GENERATORS

1. ~~S-290 through S-340 and S-360 through S-630 engines are subject to the requirements of Regulation 9, Rule 1 ("Sulfur Dioxide"), and the requirements of Regulation 6 ("Particulate and Visible Emissions"). This engine may be subject to other District regulations, including Regulation 9, Rule 8 ("NOx and CO from Stationary Internal Combustion Engines") in the future. [basis: Regulation 9, Rule 1; Regulation 6]~~ ***[condition deleted because it is redundant to existing regulation]*** S290 through S340 and S360 through S630 shall be 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 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]

2a. ~~S-~~S290 through ~~S-~~S340 and ~~S-~~S360 through ~~S-~~S630 engines shall each be 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 9-8-330]

2b. ~~S-~~S290 through ~~S-~~S340 and ~~S-~~S360 through ~~S-~~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. ~~S-~~S290 through ~~S-~~S340 and ~~S-~~S360 through ~~S-~~S630 engines shall each be equipped with a non-resettable totalizing counter, which records hours of operation for each engine. [basis: Regulation 9-8-530]

3b. The following monthly records for each engine (~~S-~~S290 through ~~S-~~S340 and ~~S-~~S360 through ~~S-~~S630) shall be maintained in a District-approved log for at least 5~~2~~ 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

VI. Permit Conditions

of the emergency condition
3) fuel usage for each engine [basis: Regulation 9-8-530]

4. The sulfur content of the fuel oil shall be certified by the fuel oil vendor . [basis: Regulation 2-6-409.2]

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.

Table VI – 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 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	Condition # 7506, Part 7	P/E	Visible Emissions Check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	Condition # 7506, Part 7	P/E	Visible Emissions Check
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		N	
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)	Condition # 18329, Parts 6 and 7	P/W	monitoring of digester gas sulfur
H2S	Condition # 18329 Part 6	Y		2,250 ppm	Condition # 18329, Parts 6 and 7	P/W	Monitoring of digester gas sulfur
POC	BAAQMD 8-2-301	Y		15 lb/day and greater than 300 ppm total carbon	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VI – 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
Through-put				None	BAAQMD Condition # 18329 Part 5	P/E	Records

Table VI – B
Applicable Limits and Compliance Monitoring Requirements
S7 – 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	BAAQMD 9-7-301.1 & Condition # 7506 Part 1	Y		30 ppmv @ 3%O2, dry, 3-hr average	Condition # 7506, Part 5	P/A	Source Test
	BAAQMD 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None
	BAAQMD 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None
CO	BAAQMD 9-7-301.2 & Condition # 7506 Part 1	Y		400 ppmv @ 3%O2, dry, 3-hr average	Condition # 7506, Part 5	P/A	Source Test
	BAAQMD 9-7-305.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None
	BAAQMD 9-7-306.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VI – B
Applicable Limits and Compliance Monitoring Requirements
S7 – 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
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	Condition # 7506, Part 7	P/E	Visible Emissions Check
FP	BAAQMD 6-310.3	Y		0.15 gr/dscf at 6% O2	Condition # 7506, Part 7	P/E	Visible Emissions Check
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		N	
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)		N	
	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 7506, Part 6	P/E	Fuel Oil Certification
SO2	Condition # 7506 Part 3	Y		Sulfur Content of Fuel Oil $\leq$ 0.2 wt%	Condition # 7506 Part 6	P/E	Fuel Oil Certification
Heat Input	BAAQMD Condition 7502 part 8	Y		Not to exceed 63 MM Btu/hr	BAAQMD Condition 7502 Part 4	P/E	Records
Equip-ment Testing	BAAQMD 9-1-306.3 & Condition # 7506 Part 2	Y		Hours of Equipment Testing $\leq$ 48/yr	BAAQMD 9-1-503.3 & Condition # 7506 Part 4	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 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	None	N	None
FP	BAAQMD 6-310	Y		0.15 gr/dscf	None	N	None
VOC	BAAQMD 8-19-302	Y		Air-Dried Coatings VOC ≤ 340 g/l (2.8 lb/gal)	BAAQMD 8-19-501	P/E	Records
	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
	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
	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
	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
	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

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
	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
	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
	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
VOC	Condition # 7502, Part 1	Y		Coating Usage ≤ 250 gals/yr	Condition # 7502, Part 3	P/A	Records
	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
VOC	Condition # 7502, Part 4	Y		Coating Usage ≤ 250 gals/yr	Condition # 7502, Part 6	P/A	Records
	Condition # 7502, Part 5	Y		Net Clean-up Solvent Usage ≤ 125 gals/yr	Condition # 7502, Part 6	P/A	Records

Table VI – D
Applicable Limits and Compliance Monitoring Requirements
S11 – HIGH TEMPERATURE HOT WATER GENERATOR
S12 – 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	BAAQMD 9-7-301.1	Y		30 ppmv @ 3%O2, dry, 3-hr average	Condition # 18328, Part 2	P/A	Source Test
	BAAQMD 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None
	BAAQMD 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None
CO	BAAQMD 9-7-301.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	Condition # 18328, Part 2	P/A	Source Test
	BAAQMD 9-7-305.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None
	BAAQMD 9-7-306.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	Condition # 18328, Part 4	P/E	Visible Emissions Check
FP	BAAQMD 6-310.3	Y		0.15 gr/dscf at 6% O2	Condition # 18328, Part4	P/E	Visible Emissions Check

VII. Applicable Limits and Compliance Monitoring Requirements

Table VI – D
Applicable Limits and Compliance Monitoring Requirements
S11 – HIGH TEMPERATURE HOT WATER GENERATOR
S12 – 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] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)		N	
	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 18328, Part 2	P/E	Fuel Oil Certification
Heat Input	Condition 18329 part 5	Y		Not to exceed S11 32MM Btu/hr S12 32MMBTU/hr	Condition 18329 Part 6	P/E	Records
Equip-ment Testing	BAAQMD 9-1-306.3	Y		Hours of Equipment Testing ≤ 48/yr	BAAQMD 9-1-503.3 & Condition # 18329 Part 6	P/E	Records

Table VI – E
Applicable Limits and Compliance Monitoring Requirements
S13 – 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	BAAQMD 9-7-301.1	Y		30 ppmv @ 3%O2, dry, 3-hr average	Condition # 14614, Part 8	P/A	Source Test
	BAAQMD 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None
	BAAQMD 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VI – E
Applicable Limits and Compliance Monitoring Requirements
S13 – 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
	Condition # 14614 Part 1	Y		25 ppmv @ 3%O2, dry	Condition # 14614, Part 8	P/A	Source Test
	Condition # 14614 Part 2	Y		60 ppmv @ 3%O2, dry	Condition # 14614, Part 8	P/A	Source Test
CO	BAAQMD 9-7-301.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	Condition # 14614, Part 8	P/A	Source Test
	BAAQMD 9-7-305.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None
	BAAQMD 9-7-306.2	Y		400 ppmv @ 3%O2, dry, 3-hr average	None	N	None
	Condition # 14614 Part 1	Y		100 ppmv @ 3%O2, dry	Condition # 14614, Part 8	P/A	Source Test
	Condition # 14614 Part 2	Y		100 ppmv @ 3%O2, dry	Condition # 14614, Part 8	P/A	Source Test
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 minutes in any hour	Condition # 14614, Part 10	P/1E6 gallons of Fuel Oil	Visible Emissions Check
FP	BAAQMD 6-310.3	Y		0.15 gr/dscf at 6% O2	Condition # 14614, Part 10	P/1E6 gallons of Fuel Oil	Visible Emissions Check
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		N	
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VI – E
Applicable Limits and Compliance Monitoring Requirements
S13 – 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
	BAAQMD 9-1-304 & Condition # 14614, Part 6	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 14614, Part 9	P/E	Fuel Oil Certification
Natural Gas	Condition # 14614, Part 4	Y		Usage ≤ 2,184,375 therms/yr	Condition # 14614 Part 3 & 7	P/E	Records
Equip-ment Testing	BAAQMD 9-1-306.3 & Condition # 14614 Part 5	Y		Hours of Equipment Testing ≤ 48/yr	BAAQMD 9-1-503.3 & Condition # 14614 Part 7	P/E	Records

Table VII - F
S100 - Water Quality Control Plant; S110 - Preliminary Treatment; S120 - Preliminary Treatment; S130 - Secondary Treatment; S140 - Secondary Clarifiers; S150 - Sludge Handling Processes; 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
VOC	BAAQMD 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
S100 - Water Quality Control Plant; S110 - Preliminary Treatment; S120 - Preliminary Treatment; S130 - Secondary Treatment; S140 - Secondary Clarifiers; S150 - Sludge Handling Processes; 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
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

Table VII - G
S170 - Anaerobic Digestors

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 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	None
Odors	None	N		None	BAAQMD Condition # 18329 Part 4 and Part 5	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
S170 - ANAEROBIC DIGESTORS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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 Parts 6 & 7	P/W	Weekly digester gas testing

Table VII - H
S270 - 1850 HP DIESEL FIELD LIGHTING GENERATOR #1
S280 - 1135 HP DIESEL FIELD LIGHTING GENERATOR #2

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 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	Condition # 18324, Part 1	P/1000 gal fuel oil	Visible Emissions Check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	Condition # 18324, Part 1	P/1000 gal fuel oil	Visible Emissions Check
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		N	
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)		N	
	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil $\leq$ 0.5 wt%	Condition # 18324, Part 4	P/E	Fuel Oil Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
S270 - 1850 HP Diesel Field Lighting Generator #1
S280 - 1135 HP Diesel Field Lighting Generator #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Emergency	BAAQMD 9-8-331.1 & Condition # 18324 Part 2b	N			BAAMQD 9-8-530 & Condition # 18324 Part 3b	P/M	Records
Reliability Related Activities	BAAQMD 9-8-330.2 & Condition # 18324 Part 2a	N		Hours of Reliability Related Activities ≤ 200/yr	BAAMQD 9-8-530 & Condition # 18324 Part 3b	P/M	Records

Table VII - I
S-290 through S-340 and S-360 through S630 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 6-303	Y		Ringelmann 2.0 for < 3 minutes in any hour	Condition # 18666, Part 6	P/1000 gal fuel oil	Visible Emissions Check
FP	BAAQMD 6-310	Y		0.15 gr/dscf	Condition # 18666, Part 1	P/1000 gal fuel oil	Visible Emissions Check
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		N	
	BAAQMD 9-1-302	Y		SO2 shall not exceed 300 ppm (dry)		N	
	BAAQMD 9-1-304	Y		Sulfur Content of Fuel Oil ≤ 0.5 wt%	Condition # 18666, Part 4	P/E	Fuel Oil Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
S-290 THROUGH S-340 AND S-360 THROUGH S630 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	BAAQMD 9-8-330.1 & Condition # 18666 Part 2b	N			BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records
Reliability Related Activities	BAAQMD 9-8-330.2 & Condition # 18666 Part 2a	N		Hours of Reliability Related Activities $\leq$ 100/yr	BAAMQD 9-8-530 & Condition # 18666 Part 3b	P/M	Records

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced 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

IX. Permit Shield

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. GLOSSARY

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEQA
California Environmental Quality Act

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

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

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District regulations.

X. Glossary

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.

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

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.

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.

NAAQS
National Ambient Air Quality Standards

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.

X. Glossary

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.)

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
Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

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)

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

X. Glossary

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

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
cfm	=	cubic feet per minute
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
MM	=	million
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

XI. APPLICABLE STATE IMPLEMENTATION PLAN

The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:

http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1