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 Jose/Santa Clara
Water Pollution Control
Facility #A0778

Facility Address:
700 Los Esteros Road
San Jose, CA 95134

Mailing Address:
700 Los Esteros Road
San Jose, CA 95134

Responsible Official	**Facility Contact**
Mariana Chavez-Vazquez,	Jason Nettleton,
Regional Wastewater General Manager	Principal Engineer
(408) 635-2007	(408) 635-4036

Type of Facility:	Municipal Wastewater Treatment	BAAQMD Permit Division Contact:
Primary SIC:	4952	Ryan Atterbury
Product:	Treated Municipal Wastewater	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

for

Dr. Philip Fine, Executive Officer/APCO

August 20, 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 5/4/11);
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 12/19/12, effective 12/6/17) effective until 6/30/22;
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 12/15/21, effective 7/1/22);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 05/21/18);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 12/19/12, effective 12/6/17);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 112/6/17);
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 12/07/16) effective until 6/30/22; and
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 12/15/21, effective 7/1/22); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 12/6/17)
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 May 3, 2022 and expires on May 2, 2027. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than November 2, 2026 and no earlier than May 2, 2026. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after May 2, 2027.** If the permit renewal has not been issued by May 2, 2027, 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)

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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)
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 which the permittee considers 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)

I. Standard Conditions

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 which 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, 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. Reports shall be for the following periods: March 1st through August 31st and September 1st through February 28th or 29th, 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 non-compliance. Within 30 calendar days of the discovery of any non-compliance, the facility shall submit a written report including the probable cause of the non-compliance and any corrective or preventative actions. The reports shall be sent by e-mail to compliance@baaqmd.gov or by postal mail 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, 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 September 1st through August 31st. The certification shall be submitted by September 30th of each year. The certification must

I. Standard Conditions

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 certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent by e-mail to r9.aeo@epa.gov or postal mail 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, CA 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, Sections 301. (Regulation 2-1-301)

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 J 1. and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
S15	Paint Spray Booth	Binks	PFA-8-7-T-LV	Unknown/varies
S26	Gasoline Dispensing Island, G6770	Custom	N/A	2500 gal, One Nozzle
S52	Sandblast Operations	Quincy	Screw Drive	375 scfm
S56	Emergency I C Engine CL Bldg 250 KW (diesel)	Detroit Diesel	N/A	368 HP/2.1 MMBTU/hr
S66	Emergency I C Engine, (diesel)	Perkins	D150-8	273HP/1.62 MMBTU/hr
S67	Cogeneration System #1 (digester gas, natural gas)	Caterpillar	CG-260-16	4834 hp/31 MMbtu/hr
S68	Cogeneration System #2 (digester gas, natural gas)	Caterpillar	CG-260-16	4834 hp/31 MMbtu/hr
S69	Cogeneration System #3 (digester gas, natural gas)	Caterpillar	CG-260-16	4834 hp/31 MMbtu/hr
S70	Cogeneration System #4 (digester gas, natural gas)	Caterpillar	CG-260-16	4834 hp/31 MMbtu/hr
S71	Enclosed Paint Booth with Natural Gas Heater	SIDE Downflow TRUCK	DTSDD4424	1.075 MMbtu/hr, 18,000 cfm
S72	Dual Fueled Firetube Digester Gas/Natural Gas Boiler #1	Cleaver-Brooks	CBLE 700-350-125HW	15 MMbtu/hr
S73	Dual Fueled Firetube Digester Gas/Natural Gas Boiler #2	Cleaver-Brooks	CBLE 700-350-125HW	15 MMbtu/hr
S100	Wastewater Treatment Plant – Fugitive Emissions	Custom	N/A	15 MM gal/hr
S110	Preliminary Treatment	Custom	N/A	15 MM gal/hr
S120	Primary Treatment	Custom	N/A	15 MM gal/hr
S140	Flow Equalization	Custom	N/A	15 MM gal/hr
S150	Secondary Treatment	Custom	N/A	15 MM gal/hr
S160	Secondary Clarifiers	Custom	N/A	15 MM gal/hr
S170	Tertiary Treatment	Custom	N/A	15 MM gal/hr
S180	Disinfection	Custom	N/A	15 MM gal/hr
S190	Reclamation	Custom	N/A	2 MM gal/day
S200	Sludge Handling	Custom	N/A	16 DAF/20 Dry Beds; 80 M gal/hr
S210	Anaerobic Digesters	Custom	N/A	5.5 MM gal/hr

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 J 1. and Regulation 2-1-301.

S#	Description	Make or Type	Model	Capacity
S222	Emergency I C Engine (diesel)	Caterpillar, 2015	C175	4376 bhp, 29.26 MMbtu/hr
S223	Emergency I C Engine (diesel)	Caterpillar, 2015	C175	4376 bhp, 29.26 MMbtu/hr
S224	Emergency I C Engine (diesel)	Caterpillar, 2015	C175	4376 bhp, 29.26 MMbtu/hr
S225	Emergency I C Engine (diesel)	Caterpillar, 2015	C175	4376 bhp, 29.26 MMbtu/hr

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A3	Chlorine Injection System	S140		None	
A4	Odor Control System; Packed Bed Scrubber	S120	BAAQMD 1-301	None	N/A
A5	Odor Control System 1, biotrickling filter	S200			
A6	Odor Control System 2, two bed carbon unit, 14,700 lb carbon total	S120			
A7	Paint Arrestors	S71		None	
A9	Gas Treatment System - Iron Sponge	S67, S68, S69, S70	BAAQMD Condition # 26639, Part 4	None	50 ppm S in digester gas
					0.07 g PM10 and PM2.5 per bhp-hr
A10	Selective Catalytic Reduction	S67	BAAQMD 2-2-301	Temperature between 575 F and 960 F except during startup and shutdown	11 ppm NOx @ 15% O2, dry
A11	Oxidation Catalyst	S67	BAAQMD 2-2-301	None	130 ppm CO @ 15% O2, dry
			BAAQMD 2-2-301	None	0.12 g POC per bhp-hr
			BAAQMD 2-5-301	None	0.41 lb formaldehyde per hour
A12	Selective Catalytic Reduction	S68	BAAQMD 2-2-301	Temperature between 575 F and 960 F except during startup and shutdown	11 ppm NOx @ 15% O2, dry
A13	Oxidation Catalyst	S68	BAAQMD 2-2-301	None	130 ppm CO @ 15% O2, dry
			BAAQMD 2-2-301	None	0.12 g POC per bhp-hr

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			BAAQMD 2-5-301	None	0.41 lb formaldehyde per hour
A14	Selective Catalytic Reduction	S69	BAAQMD 2-2-301	Temperature between 575 F and 960 F except during startup and shutdown	11 ppm NOx @ 15% O2, dry
A15	Oxidation Catalyst	S69	BAAQMD 2-2-301	None	130 ppm CO @ 15% O2, dry
			BAAQMD 2-2-301	None	0.12 g POC per bhp-hr
			BAAQMD 2-5-301	None	0.41 lb formaldehyde per hour
A16	Selective Catalytic Reduction	S70	BAAQMD 2-2-301	Temperature between 575 F and 960 F except during startup and shutdown	11 ppm NOx @ 15% O2, dry
A17	Oxidation Catalyst	S70	BAAQMD 2-2-301	None	130 ppm CO @ 15% O2, dry
			BAAQMD 2-2-301	None	0.12 g POC per bhp-hr
			BAAQMD 2-5-301	None	0.41 lb formaldehyde per hour
A18	Gas Treatment System - Activated Carbon	S67, S68, S69, S70	BAAQMD Condition # 26639, Part 4	None	50 ppm S in digester gas

II. Equipment

Table II B – Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A20	Biotower	S110	BAAQMD 8-2-301	None	15 lb/day and more than 300 ppm total carbon as methane, excluding 1,1,1, trichloro-ethane, methylene chloride, methane and chlorofluorocarbons
			BAAQMD Condition # 27178, Part 2	None	1.5 ppm H2S at outlet
A404	Digester Gas Flare – Ground Flare	S210	BAAQMD 1-301	None	N/A
A405	Digester Gas Flare – Emergency Flare	S210	BAAQMD 1-301	None	N/A
A406	Enclosed Ground Flare, 25.2 MMbtu/hr	S210		1,400 deg. F minimum combustion zone temperature except during startup/shutdown	0.06 lb NOx per MMBTU 0.2 lb CO per MMBTU 0.278 lb H2S per hour 0.9 lb CH4 per MMBTU
A407	Candlestick Flare, 273.6 MMbtu/hr	S210			
A500	Iron Salts Injection	S110, S210	BAAQMD 1-301	None	N/A
A501	Polymer Injection	S120	None	None	N/A

II. Equipment

Table II C – Exempt Equipment

Each of the following devices is exempt from major facility review permitting pursuant to the requirements of BAAQMD Regulation 2, Rule 6: Permits, Major Facility Review. The applicable exemption for each device is identified in the table below. Registered portable engines and non-road engines are exempt from BAAQMD Regulation 2, Rule 6 pursuant to BAAQMD Regulation 2-6-113 and 2-6-114, respectively, even though these engines may be required to have a BAAQMD permit to operate pursuant to BAAQMD Regulation 2, Permits Rule 1, General Requirements.

S#	Description	Make or Type	Model	Capacity
32	Filtration Building Boiler #1, natural gas	Bryan	L-32-FDO	1.75 MMbtu/hr
33	Filtration Building Boiler #2, natural gas	Bryan	L-32-FDO	1.75 MMbtu/hr
226	Admin. Building Boiler, natural gas	Parker	T-3900	3.9 MMbtu/hr
227	Nitrification Building Boiler, natural gas	Teledyne Laars	HH0135CN12 CBACX	1.75 MMbtu/hr
228	Training Center Boiler, natural gas	Bryan	L-32-FDO	2.2 MMbtu/hr

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
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 version 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 (12/6/17, effective until 7/1/22)	N
BAAQMD Regulation 2, Rule 1	General Requirements (12/15/21, effective 7/1/22)	N
SIP Regulation 2, Rule 1	General Requirements (5/21/18)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (12/7/16) effective until 6/30/22	N

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 (12/15/21, effective 7/1/22)	N
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 (11/20/93)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (8/1/2018)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	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)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/091)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2/04)	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 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
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
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

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 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 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 18	Reduction of Risk from Air Toxic Emissions at Existing Facilities (11/15/17)	N
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
BAAQMD Regulation 14, Rule 1	Mobile Source Emission Reduction Methods – Bay Area Commuter Benefits Program (3/19/14)	N
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 (9/9/05)	N
California Code of Regulations Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/9/05)	N
California Code of Regulations Title 17, Section 93114	Airborne Toxic Control Measure to Reduce Particulate from Diesel Fueled Engines – Standards for Non-vehicular Diesel Fuel	N
California Code of Regulations Title 13, Section 2281	Standards for Vehicular Diesel Fuel	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (12/1/2016)	Y
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions – Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions – Required Practices – Technician Certification	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions – Required Practices – Reporting and Recordkeeping Requirements	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 parenthesis 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

http://yosemite.epa.gov/R9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions.

All other text may be found in the regulations themselves.

TABLE IV - A
SOURCE-SPECIFIC APPLICABLE REQUIREMENTS
S15, PAINT SPRAY BOOTH
S71, ENCLOSED PAINT BOOTH WITH NATURAL GAS HEATER ABATED BY A5 PAINT ARRESTORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Solvent and Surface Coating Operations (6/15/94)**		
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	**Organic Compounds – Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)**		
8-19-302	Coating VOC Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating VOC Limits	Y	

IV. Source-specific Applicable Requirements

TABLE IV - A
SOURCE-SPECIFIC APPLICABLE REQUIREMENTS
S15, PAINT SPRAY BOOTH
S71, ENCLOSED PAINT BOOTH WITH NATURAL GAS HEATER ABATED BY A5 PAINT ARRESTORS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-19-313	Spray Application Equipment Limitations	Y	
8-19-313.1	HVLP Spray; or	Y	
8-19-313.2	Electrostatic Spray; or	Y	
8-19-313.3	Detailing Gun; or	Y	
8-19-313.4	Other Method Approved in Writing by the APCO	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-320.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-19-320.2	No Organic Compounds for Cleanup of Spray Equipment Unless Controls are Used	Y	
8-19-320.3	Closed Containers for Coatings or Solvents Not in Use	Y	
8-19-321	Surface Preparation Standards	Y	
8-19-501	Records	Y	
8-19-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-19-501.2	Weekly Coating Usage Records	Y	
8-19-501.4	Monthly Cleaning Solvent Records	Y	
8-19-501.5	Records Retention	Y	
BAAQMD Condition # 17737	**Operating Requirements**		
Part 1	Coating and primer usage limit (Cumulative Increase)	Y	
Part 2	Cleanup solvent usage limit (Cumulative Increase)	Y	
Part 3	Requirement for paint arrestors at S71 (Cumulative Increase)	Y	
Part 4	Prohibition of methylene chloride, chromium, lead, nickel and cadmium in coatings or solvents (40 CFR 63, Subpart HHHHHH)	Y	
Part 5	Recordkeeping (2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S26, GASOLINE DISPENSING ISLAND, G#6770

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 7	**Organic Compounds - Gasoline Dispensing Facilities (11/6/02)**		
8-7-301	Phase I Requirements	Y	
8-7-302	Phase II Requirements	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-314	Hold Open Latch Requirements	Y	
8-7-315	Pressure Vacuum Valve Requirements, Underground Tanks	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
Condition # 17738	**Operating Requirements**		
Part 1	Annual (12 month) throughput limitation (cumulative increase)	Y	
Part 2	Gasoline throughput monitoring (2-6-409.2)	N	
Condition # 18680	**Phil Tite EVR Phase 1 Vapor Recovery System**		
Part 1	Shall be maintained in accordance with most recent CARB EO VR-101	N	
Part 2	Testing required every 36-month period to comply with VR-101	N	
Condition # 24298	**VST EVR Phase II Vapor Recovery System**		
Part 1	Shall be maintained in accordance with most recent CARB EO VR-203	N	
Part 2	Records	N	
Part 2a	Monthly throughput of gasoline summarized on annual basis	N	
Part 3	Leak free (Regulation 8-7-203) and vapor tight (Regulation 8-7-206)	Y	
Part 4	Yearly testing in accordance with CARB EO VR-203	N	
Part 4a	Static Pressure Performance Test – TP-201.3	N	
Part 4b	Dynamic Back Pressure Test – TP-201.4	N	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S26, GASOLINE DISPENSING ISLAND, G#6770

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4c	Liquid Removal Test – EO VR-203, Exhibit 5	N	
Part 4d	Vapor Pressure Sensor Verification Test – EO VR-203, Exhibit 8	N	
Part 4e	Veeder-Root Vapor Polisher Operability Test - EO VR-203, Exhibit 11	N	
Part 4f	Veeder-Root Vapor Polisher Emissions Test - EO VR-203, Exhibit 12	N	
Part 5	Source Test Requirements	Y	
Part 6	Maximum length of coaxial hose assembly is 15 feet	N	
Part 7	Dispensing rate between six and ten gallons per minute	N	
Part 8	TLS console equipped with printer and have an open RS232 port	N	
Part 9	Veeder-Root Vapor Polisher shall be on and in automatic vapor processor mode	N	
Part 10	Maintain OSHA-approved access to Veeder-Root Vapor Polisher	N	
Part 11	Security tags installed and maintained on Veeder-Root Vapor Polisher	N	
Part 12	Each storage tank to be equipped with CARB certified pressure/vacuum relief valve	N	

Table IV - C
Source-specific Applicable Requirements
S52, SANDBLAST OPERATIONS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 12, Rule 4	**Miscellaneous Standards of Performance – Sandblasting (7/11/90)**		
12-4-301	Ringelmann No. 1 Limitation	Y	
12-4-305	Performance Standards for Abrasives	Y	
12-4-306	Certification of Abrasives	Y	
BAAQMD Condition #9055	**Operating Requirements**		

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S52, SANDBLAST OPERATIONS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Abrasive throughput limitation (Cumulative Increase)	Y	
Part 2	Recordkeeping (2-6-409.2)	Y	

Table IV - D
Source-specific Applicable Requirements
S56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (8/1/2018)**		
6-1-303	Ringelmann Number 2 Limitations	N	
6-1-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Emission Limitation (weight)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/98)**		
6-303	Ringelmann Number 2 Limitations	Y	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Emission Limitation (weight)	Y	
6-401	Appearance of Emissions	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 - D
Source-specific Applicable Requirements
S56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (7/25/07)**		
9-8-110.5	Exemption, Emergency Standby Engines	N	
9-8-331	Essential Public Service, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
California Code of Regulations, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.6(b)(3)(A)1.a	Maximum Allowable Annual Hours of Operation for Maintenance and Testing $\leq$ 20 hrs/yr	N	
93115.6(b)(2)	At-school and near-school provisions	N	
93115.10(d)(1)	Non-resettable totalizing meter	N	
93115.10(f)(1)	Recordkeeping.	N	
40 CFR 63 Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590	Subject to subpart ZZZZ	Y	
63.6590(a)(1)(iii)	Existing stationary RICE at an area source of HAPs	Y	
63.6595	Compliance Schedule to 40 CFR 63, Subpart ZZZZ	Y	
63.6595(a)(1)	Comply with the applicable emission limitation and operating limitations no later than May 3, 2013	Y	
63.6603	Emission Limitations and Operating Limitations for Existing Stationary	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	RICE located at an area source of HAP emissions		
63.6603(a), Table 2d, part 4	Change oil and filter every 500 hours of operation or annually, whichever comes first; Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	Y	
63.6605	General Requirements	Y	
63.6605(a)	Comply with the emission limitations and operating limitations at all times	Y	
63.6605(b)	Safety and good air pollution control practices for minimizing emissions	Y	
63.6625	Monitoring, Installation, Operation, and Maintenance Requirements	Y	
63.6625(e)(3)	Operate and maintain engine and after-treatment control device (if any) in a manner consistent with good air pollution control practice for minimizing emissions	Y	
63.6625(f)	Install a non-resettable hour meter if one is not already installed	Y	
63.6625(h)	Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes	Y	
63.6635	Monitor and Collect Data to Demonstrate Continuous Compliance	Y	
63.6640	Demonstrate Continuous Compliance with the Emission Limitations and Operating Limitations	Y	
63.6640(f)(1)	Requirements for an existing emergency stationary RICE located at an area source of HAP emissions.	Y	
63.6645	Notification, Reports, and Records	Y	
63.6645(a)(2)	Submit notification in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply	Y	
63.6655	Recordkeeping	Y	
63.6655(a)	Recordkeeping with the emission and operating limitations	Y	
63.6655(e)(2)	Keep records of the maintenance conducted on an existing emergency RICE	Y	
63.6660	Recordkeeping	Y	
BAAQMD Condition # 22820	**Operating Requirements**		

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S56, EMERGENCY I C ENGINE, DIESEL, CL BLDG, 368 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Operating limit for reliability-related activities (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.6(b)(3)(A)1.a)	N	
Part 2	Emergency standby engine operation (basis: BAAQMD 9-8-330)	N	
Part 3	Non-resettable totalizing hour meter (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.10(d)(1))	N	
Part 4	Records (Basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section93115.10(f)(1), (or, Regulation 2-6-501))	N	
Part 5	At or nearby school restrictions (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.6(b)(2))	N	

Table IV - E
Source-specific Applicable Requirements
S66, EMERGENCY I C ENGINE, DIESEL, 274 HP
S222 TO S225, EMERGENCY I C ENGINES, DIESEL, 4376 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (8/1/2018)**		
6-1-303	Ringelmann Number 2 Limitations	N	
6-1-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Emission Limitation (weight)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/98)**		
6-303	Ringelmann Number 2 Limitations	Y	

IV. Source-specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S66, EMERGENCY I C ENGINE, DIESEL, 274 HP
S222 TO S225, EMERGENCY I C ENGINES, DIESEL, 4376 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Emission Limitation (weight)	Y	
6-401	Appearance of Emissions	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 (7/25/07)**		
9-8-110.5	Exemption, Emergency Standby Engines	N	
9-8-331	Essential Public Service, Hours of Operation	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
California Code of Regulations, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.6(a)(1)	At-school and near-school provisions	N	
93115.6(a)(3)	Emissions standards for new engines and maximum allowable annual hours of operation for maintenance and testing 50 hrs/yr	N	
93115.10(d)(1)	Non-resettable totalizing meter	N	
93115.10(f)(1)	Recordkeeping.	N	
93115.13(f)	Compliance by CARB certificate	N	
40 CFR 60 Subpart IIII	**Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**		
60.4200(a)(2)	Applicability	Y	

IV. Source-specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S66, EMERGENCY I C ENGINE, DIESEL, 274 HP
S222 TO S225, EMERGENCY I C ENGINES, DIESEL, 4376 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
(i)			
60.4205(b)	What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4206	How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4207(b)	What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?	Y	
60.4209	What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4211	What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4211(a)(1)	Operate and maintain according to manufacturer's emission-related written instruction	Y	
60.4211(a)(2)	Change only emission-related settings that are permitted by the manufacturer	Y	
60.4211(a)(3)	Meet 40 CFR parts 89, 94, and/or 1068 as applicable	Y	
60.4211(c)	Comply with emission standards specified in §60.4205(b)	Y	
60.4211(f)	Maintenance, testing, and non-emergency operation hours	Y	
60.4211(g)(2)	Compliance demonstration if engine is not installed, configured, operated, or maintained according to the manufacturer's emission-related written instructions	Y	
60.4214	What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
BAAQMD Condition # 22850	**Operating Requirements**		
Part 1	Operating limit for reliability-related activities (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.6(b)(3)(A)2.b	N	
Part 2	Emergency standby engine operation (basis: BAAQMD 9-8-330)	N	
Part 3	Non-resettable totalizing hour meter (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.10(d)(1))	N	

IV. Source-specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S66, EMERGENCY I C ENGINE, DIESEL, 274 HP
S222 TO S225, EMERGENCY I C ENGINES, DIESEL, 4376 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Records (Basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.10(f)(1), (or, Regulation 2-6-501))	N	
Part 5	At or nearby school restrictions (basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.6(b)(2))	N	

Table IV – F
Source-specific Applicable Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (6/28/99)**		
6-1-301	Ringelmann Number 1 Limitations	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Emission Limitation (weight)	N	
6-1-310.1	0.15 grain/dscf limit	N	
6-1-310.2	Grain loading depending on exhaust rate	N	
6-1-401	Appearance of Emissions	N	
6-1-504	Source test requirement	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/98)**		
6-301	Ringelmann Number 1 Limitations	Y	
6-305	Visible Particles	Y	
6-310	Particulate Emission Limitation (weight)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8 Rule 2	**Organic Compounds, Miscellaneous Operations (7/20/2005)**		

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (10/6/99)**		
9-2-301	Limitations of Hydrogen Sulfide	N	
SIP Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)**		
9-8-301	Emission Limits – Fossil Derived Fuel Gas	Y	
9-8-301.2	NOx emission limit for lean burn engines	Y	
9-8-301.3	CO emission limit	Y	
9-8-302	Emission Limits – Waste Derived Fuel Gas	Y	
9-8-302.1	NOx emission limit for lean burn engines	Y	
9-8-302.3	CO emission limit	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)**		
9-8-301	Emission Limits – Fossil Derived Fuel Gas	N	
9-8-301.2	NOx emission limit for lean burn engines	N	
9-8-301.3	CO emission limit	N	
9-8-302	Emission Limits – Waste Derived Fuel Gas	N	
9-8-302.1	NOx emission limit for lean burn engines	N	
9-8-302.3	CO emission limit	N	
9-8-501	Initial Demonstration of Compliance	N	
9-8-502	Recordkeeping	N	
9-8-503	Quarterly Demonstration of Compliance	N	
40 CFR 60, Subpart	**Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**		

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
JJJJ			
60.4230	Am I subject to this subpart?	Y	
60.4230(a)(4)	Owners and operators of stationary SI ICE that commence construction after June 12, 2006	Y	
60.4233	What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4233(e)	Engines larger than 100 hp must comply with Table 1 of Subpart JJJJ	Y	
60.4234	How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4243	What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4243(b)	Compliance with emission limits in 40 CFR 60.4233(e)	Y	
60.4243(b)(2)	Compliance for non-certified engines	Y	
60.4243(b)(2)(ii)	Keep maintenance plan and records of maintenance, maintain and operate the engine in a manner consistent with good air pollution control practice. Initial performance test and performance testing every 8,760 hours or 3 years.	Y	
60.4244	What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4245	What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI internal combustion engine?	Y	
60.4245(a)	Records	Y	
60.4245(a)(1)	Notifications	Y	
60.4245(a)(2)	Maintenance	Y	
60.4245(a)(4)	Documentation that engine meets emission standards	Y	
60.4245(c)	Initial notification for non-certified engines	Y	
60.4245(d)	Submission of performance tests to EPA within 60 days	Y	
60.4245(f)	Reporting procedures	Y	
60.4245(g)	Notifications or reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI),	Y	
60.4245(h)	EPA system outages	Y	
60.4245(i)	Claims of force majeure for failure of timely reporting	Y	

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.4245(j)	Records in electronic format	Y	
60.4246	What General Provisions and confidential information provisions apply to me?	Y	
Table 1	NOx, CO, and VOC emission limits	Y	
Table 2	Requirements for performance tests	Y	
Table 3	General provisions in 40 CFR 60, Subpart A	Y	
BAAQMD Condition #17741			
Part 1	Combustion of digester gas (1-301)	Y	
Part 5b	Monitoring of sulfur content of digester gas	Y	
BAAQMD Condition #26639			
Part 1	Digester gas or natural gas firing (Cumulative Increase)	Y	
Part 2	Heat input limit for S67, S68, S69, S70 combined (Cumulative Increase)	Y	
Part 3	Deleted Application 699829		
Part 4	Requirement to reduce sulfur in digester gas (Cumulative Increase)	Y	
Part 5	Maintenance of A9, Gas Treatment System-Iron Sponge, and A18- Gas Treatment System-Activated Carbon (Cumulative Increase)	Y	
Part 6	NOx abatement and catalyst temperature requirement (Cumulative Increase)	Y	
Part 7	Maintenance of SCRs (BACT)	Y	
Part 8	CO and organic abatement (BACT, 2-5-302)	Y	
Part 9	Maintenance of oxidation catalysts (BACT)	Y	
Part 10	NOx emission limits (Cumulative Increase, BACT)	Y	
Part 11	CO emission limits (Cumulative Increase, BACT)	Y	
Part 12	Portable analyzer monitoring (BACT, Cumulative Increase, 2-1-403, and 9-8-503)	Y	
Part 13	PM emission limits (Cumulative Increase, BACT)	Y	
Part 14	Deleted Application 699829		
Part 15a	POC emission limits (Cumulative Increase, BACT)	Y	
Part 15b	Formaldehyde limit (Regulation 2, Rule 5)	N	

IV. Source-specific Applicable Requirements

Table IV – F
Source-specific Applicable Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 16	Ammonia limit (Regulation 2, Rule 5)	N	
Part 17	Sampling ports (Basis: MOP Volume IV, Guidelines of Construction of Particulate Sampling and Testing Facilities)	Y	
Part 18	Source tests (BACT, Cumulative Increase, and Regulations 2-5-302, 9-1-302, 9-8-302.1, and 9-8-302.3)	Y	
Part 19	Fuel meters (Cumulative Increase)	Y	
Part 20	Monitoring of sulfur in digester gas (Cumulative Increase)	Y	
Part 21	Monitoring of heat content of digester gas (Cumulative Increase)	Y	
Part 22	Records (Cumulative Increase, 2-1-403)	Y	

Table IV - G
Source-specific Applicable Requirements
S72, S73, CLEAVER BROOKS FIRETUBE BOILERS
DIGESTER GAS/NATURAL GAS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (8/1/2018)**		
6-1-301	Ringelmann Number 1 Limitations	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Emission Limitation (weight)	N	
6-1-310.2	Grain loading depending on exhaust rate	N	
6-1-310.3	Particulate Emission Limitation – Heat Transfer Operation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/98)**		
6-301	Ringelmann Number 1 Limitations	Y	
6-305	Visible Particles	Y	
6-310	Particulate Emission Limitation (weight)	Y	

IV. Source-specific Applicable Requirements

Table IV - G
Source-specific Applicable Requirements
S72, S73, CLEAVER BROOKS FIRETUBE BOILERS
DIGESTER GAS/NATURAL GAS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310.3	Particulate Emission Limitation – Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8 Rule 2	**Organic Compounds, Miscellaneous Operations (7/20/2005)**		
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 Limitation	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations of Hydrogen Sulfide	N	
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)**		
9-7-307	Final Emission Limits	N	
9-7-307.3	Final Emission Limits, when firing natural gas only	N	
9-7-307.7	Final Emission Limits, when firing digester gas only	N	
9-7-307.9	Final Emission Limits, when firing a mixture of digester and natural gas	N	
9-7-503	Records	Y	
9-7-503.4	Source Test Records and Record Retention	Y	
9-7-506	Periodic Testing	Y	
9-7-603	Compliance Determination – Source Testing	Y	
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	Emission Limits - Gaseous Fuel	Y	
9-7-301.1	NOx	Y	
9-7-301.2	CO	Y	
BAAQMD			

IV. Source-specific Applicable Requirements

Table IV - G
Source-specific Applicable Requirements
S72, S73, CLEAVER BROOKS FIRETUBE BOILERS
DIGESTER GAS/NATURAL GAS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition 27140			
Part 1	Operation on digester gas or natural gas (Cumulative increase)	Y	
Part 2	Heat input limit (Cumulative increase)	Y	
Part 3	Fuel meters (9-7-501)	Y	
Part 4	Emission limits (Cumulative Increase, BACT, and Regulation 9-7-307)	Y	
Part 5	PM10/PM2.5 limits (Cumulative increase)	Y	
Part 6	Sulfur content of digester gas (Cumulative increase)	Y	
Part 7	Sulfur monitoring (Cumulative increase)	Y	
Part 8	Sulfur monitoring methods (Cumulative increase and 2-1-403)	Y	
Part 9	Source test requirements (2-1-403, 9-7-403	Y	
Part 10	Source testing frequency (2-1-403)	Y	
Part 11	Source testing approvals (2-1-403)	Y	
Part 12	Sampling ports (MOP Volume IV, Guidelines of Construction of Particulate Sampling and Testing Facilities)	Y	
Part 13	Recordkeeping (2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV - H
Source-specific Applicable Requirements
S100, MUNICIPAL WASTEWATER TREATMENT PLANT; S140, FLOW EQUALIZATION; S150, SECONDARY TREATMENT; S160, SECONDARY CLARIFIERS; S170, TERTIARY TREATMENT; S180, DISINFECTION; S190, RECLAMATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General limit on odorous substances	N	
7-302	Limit on odorous substances at or beyond property line	N	
7-303	Limit on odorous compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (07/20/05)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations of Hydrogen Sulfide	N	
BAAQMD Condition # 17740	**Operating Requirements**		
Part 1	Wastewater Throughput (2-1-301)	Y	
Part 2	Consequences of odor complaints (1-301; Public Nuisance)	Y	

IV. Source-specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S110, PRELIMINARY TREATMENT;

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General limit on odorous substances	N	
7-302	Limit on odorous substances at or beyond property line	N	
7-303	Limit on odorous compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (07/20/05)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations of Hydrogen Sulfide	N	
BAAQMD Condition # 17740	**Operating Requirements**		
Part 1	Wastewater Throughput (2-1-301)	Y	
Part 2	Consequences of odor complaints (1-301; Public Nuisance)	Y	
BAAQMD Condition # 27178			
Part 1	Abatement of S110 by A20 at all times (2-1-403)	N	
Part 2	H2S Concentration limit (9-2)	N	
Part 3	H2S Monitoring (2-1-403)	N	
Part 4	H2S Concentration Records (2-1-403)	N	
Part 5	Monitoring of total carbon for compliance with BAAQMD Regulation 8, Rule 2 (2-6-503)	Y	
Part 6	Total carbon concentration records (2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV - J
Source-specific Applicable Requirements
S120, PRIMARY TREATMENT;

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General limit on odorous substances	N	
7-302	Limit on odorous substances at or beyond property line	N	
7-303	Limit on odorous compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (07/20/05)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations of Hydrogen Sulfide	N	
BAAQMD Condition # 17740	**Operating Requirements**		
Part 1	Wastewater Throughput (2-1-301)	Y	
Part 2	Consequences of odor complaints (1-301; Public Nuisance)	Y	
BAAQMD Condition # 26312	Applies to S120		
Part 1	Abatement of S120 by A6, Carbon System (2-1-403)	Y	
Part 2	Replacement of carbon, H2S limit, POC limit (2-1-403)	Y	
Part 3	Deleted		
Part 4	H2S monitoring (2-1-403)	N	
Part 4	POC monitoring (2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
S200, SLUDGE HANDLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General limit on odorous substances	N	
7-302	Limit on odorous substances at or beyond property line	N	
7-303	Limit on odorous compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (07/20/05)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations of Hydrogen Sulfide	N	
BAAQMD Condition # 17740	**Operating Requirements**		
Part 1	Wastewater Throughput (2-1-301)	Y	
Part 2	Consequences of odor complaints (1-301; Public Nuisance)	Y	
BAAQMD Condition # 26313	Applies to S120		
Part 1	Abatement of S200 by A5, Biotrickling filter (2-1-403)	Y	
Part 2	H2S limit (2-1-403)	Y	
Part 3	H2S monitoring (2-1-403)	N	
Part 4	Control during media replacement (2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S210, ANAEROBIC DIGESTERS, A404, A405, A406, A407, FLARES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (8/1/2018) Applies to flares only**		
6-1-301	Ringelmann Number 1 Limitations	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Emission Limitation (weight)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/98) Applies to flares only**		
6-301	Ringelmann Number 1 Limitations	Y	
6-305	Visible Particles	Y	
6-310	Particulate Emission Limitation (weight)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General limit on odorous substances	N	
7-302	Limit on odorous substances at or beyond property line	N	
7-303	Limit on odorous compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (07/20/05)**		
8-2-301	Miscellaneous Operations	N	
SIP Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (3/22/95)**		
8-2-301	Miscellaneous Operations	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 - L
Source-specific Applicable Requirements
S210, ANAEROBIC DIGESTERS, A404, A405, A406, A407, FLARES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Effective Date
BAAQMD Condition # 17741	**Operating Requirements**		
Part 1	Abatement of digester gas by combustion devices (1-301)	Y	
Part 2	Restrictions on venting digester gas to flares (cumulative increase)	Y	
Part 3b	Digester Gas sulfur limit of 315 ppm (Cumulative Increase)	Y	
Part 4	Annual SO2 limit (cumulative increase)		
Part 5	Records of sulfur content, fuel inputs digester gas production (Cumulative increase)	Y	
Part 6	Records of flaring 2-6-409.2)	Y	
Part 7	Records of releases from digester vents (2-1-403)	Y	
Part 8	Determining that an H2S release is not a violation (2-1-403)	N	
Part 9	A406 capacity limit (Cumulative increase)	Y	
Part10	A407 capacity limit (Cumulative increase)	Y	
Part 11	Flow meters and recorders for A406 and A407, Flares (Cumulative increase)	Y	
Part 12	Temperature monitors and recorders for A406, Flares (Cumulative increase)	Y	
Part 13	Temperature limit for A406, Flare (Cumulative increase)	Y	
Part 14	A406 NOx limit (RACT)	Y	
Part 15	A406 CO limit (RACT)	Y	
Part 16	A406 H2S Limit (2-1-403)	N	
Part 17	A406 Methane limit	N	
Part 18	A406 Source test	Y	
Part 19	A406 and A407 records (Cumulative Increase, 2-1-301, 2-6-501, 9-1-302, and 9-2-301)	Y	
Part 20	Other flare records, digester gas records (Cumulative Increase and Regulation 2-6-501)	Y	

V. SCHEDULE OF COMPLIANCE

A. Standard 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 9055
For S52, Sandblast Operations

1. The owner/operator shall ensure that the total amount of abrasives used in S52 does not exceed 30 tons during any consecutive 12-month period. (Basis: Cumulative Increase)

2. In order to demonstrate compliance with the above conditions, the owner/operator shall ensure that a District approved logbook is be maintained on a monthly basis. These records shall be kept on site and made readily available to District staff for a period of five years from the date of logbook entry. (Basis: 2-6-409.2)

Condition 17737
For S15, Paint Spray Booth
S71, Enclosed Paint Booth with Natural Gas Heater abated by A5 Paint Arrestors

1. The owner/operator shall ensure that the total amount of paint and primer coatings used at S15 and S71 does not exceed the following limits during any consecutive twelve-month period. (Basis: Cumulative Increase)
   S15: 50 gal paint, 50 gal primer
   S71: 50 gal paint, 50 gal primer

2. The owner/operator shall ensure that the net amount of clean-up solvent used at S15 and S71 does not exceed the following limits during any consecutive twelve-month period. (Basis: Cumulative Increase)
   S15: 50 gal MEK, 50 gal Mineral Spirits
   S71: 50 gal MEK, 50 gal Mineral Spirits

3. The owner/operator of S71 shall ensure that all emissions from S71 shall be abated at all times of operation by A5, Paint Arrestors. A5 shall be rated at 98% control. (Basis: Cumulative Increase)

4. No methylene chloride (MeCL), chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni),

VI. Permit Conditions

or cadmium (Cd) will be used at S15 or S71.
(Basis: 40 CFR 63 Subpart HHHHHH)

5. To demonstrate compliance with the above conditions, the owner/operator shall maintain the following records in a District-approved log (Basis: Regulation 2-6-409.2):

a. Total daily coating usage at S15 and S71.
b. Net daily clean-up solvent usage at S15 and S71.
c. Cumulative monthly totals of the above daily usage rates, in gallons per month.

These records shall be kept onsite and made available for District inspection for a period of five years from the date on which a record is made.

Condition 17738
For S26, Gasoline Dispensing Island

*1. The owner/operator shall ensure that the annual gasoline throughput does not exceed 50,000 gallons in any consecutive 12-month period. (Basis: Cumulative Increase)

*2. To demonstrate compliance with the above condition, the owner/operator shall maintain monthly records of gasoline throughput. These records shall be kept on a District-approved log. All records shall be retained onsite for five years from the date of entry, and made available for District inspection upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: 2-6-409.2)

Condition 17740
For S–100, Municipal Wastewater Treatment Plant

1. The owner/operator shall ensure that total wastewater flow does not exceed 167 million gallons/day dry flow, 360 million gallons/day wet flow. (Basis: Regulation 2-1-301)

2. To determine compliance with the above condition, 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 totaled for each consecutive 12-month period.
c. All records shall be retained onsite for five years from the date of entry, and

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made available for inspection by District staff upon request.

d. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any District Regulation.

Condition 17741
For S –210, Anaerobic Digesters

After thermophilic operation:

1. The owner/operator shall ensure that emissions from S210 are abated at all times by combustion at any of the following sources except as specified in part 2: S67, S68, S69, S70, S72 and S73. (Basis: Regulation 1-301)

2. The owner/operator may only combust digester gas from S210 in the flares A404, A405, A406, or A407 under the following circumstances:
   a. During equipment failure or other emergencies which require the flaring of digester gas.
   b. During maintenance, testing, and/or emergencies which require the flaring of digester gas.
   c. A406 shall be used as the primary flare when it is functional and has sufficient capacity to combust the entirety of the digester gas in need of flaring.

3a. This Part shall apply until startup of thermophilic operation of any digester vessel pursuant to the Authority to Construct for Application 27366: Digester gas total sulfur content shall not exceed 350 ppm. (Basis: 9-1-302)

3b. After startup of thermophilic operation of any digester vessel pursuant to the Authority to Construct for Application 27366, the owner/operator shall ensure that digester gas total sulfur content does not exceed 315 ppm. (Basis: Cumulative Increase)

4. After startup of thermophilic operation of any digester vessel pursuant to the Authority to Construct for Application 27366, the owner/operator shall ensure that SO2 emissions from digester gas combustion do not exceed 12.722 tons in any consecutive 12-month period. The owner/operator shall use daily records of H_2S content and digester gas production to calculate SO_2 emissions. For the purposes of this part, the owner/operator shall assume that all H_2S in the digester gas is combusted. (Basis: Cumulative Increase)

5. To demonstrate compliance with the limits in Part 3 and Part 4, the owner/operator shall monitor and record the following:
   a. Sulfur content of the digester gas at least once every calendar day. The sulfur content of the digester gas shall be used to calculate SO_2 emissions from all combustion sources firing untreated digester gas.
   b. Sulfur content for digester gas combusted in S67, S68, S69, S70, S72, and S73

VI. Permit Conditions

will be determined from the outlet of the Gas Treatment System, A18, as specified in Condition 26639, Part 20.

c. Total daily digester gas production. (Basis: Cumulative Increase)

6. The owner/operator shall record the dates, hours of use, and purpose of flaring in a District approved logbook, whenever the flares are used. (Basis: Regulation 2-6-409.2)

7. Within 90 days of the startup of thermophilic operations of any digester vessel pursuant to the Authority to Construct for Application 27366, the owner/operator shall record the dates, the times, and the H_2S concentration in a District approved logbook whenever digester gas is vented from any pressure relief valve at S210, Digesters. (Basis: 2-1-403)

8. *A release of digester gas at pressure relief valve*s* on a digester or digesters shall not be considered a violation of Parts 1 or 2 of this permit condition under the following conditions:

   a. H_2S emissions from the digester gas release are less than 1.22 lb per hour, or

   b. The owner/operator prepares an air dispersion modeling analysis within 30 days of the incident that shows that the limits in BAAQMD Regulation 9, Rule 2, were not exceeded.

   The owner/operator shall ensure that, if detected and known, the occurrence, duration, and cause of emissions of digester gas from any cause or activity are recorded. Notwithstanding this part 8, the owner/operator shall not cause or allow any digester gas emissions otherwise allowed by this Part to create a violation of District regulations. (Basis: 2-1-403)

9. The owner/operator shall ensure that the heat input to A406, Enclosed Flare, does not exceed 605 MMBtu/day. (Basis: Cumulative Increase)

10. The owner/operator shall ensure that the heat input to A407, Candlestick Flare, does not exceed 6,567 MMBtu/day. (Basis: Cumulative Increase)

11. The owner/operator shall install flow meters and recorders to monitor the digester gas flow to A406 and A407. (Basis: Cumulative Increase)

12. The owner/operator shall install a temperature monitor and recorders to monitor the temperature at A406. (Basis: Cumulative Increase)

13. The combustion zone temperature of A406 shall be maintained at a minimum of 1,400 degrees F, except upon start-up where a 15-minute warm-up period is allowed and a residence time of at least 0.6 seconds is maintained. If a source test demonstrates compliance with all applicable requirements at a different temperature, the APCO may revise the minimum combustion zone temperature limit in accordance with the procedures identified in Regulations 2-6-414 or 2-6-415 and the following criteria. The minimum combustion zone temperature for a flare shall be equal to the average

VI. Permit Conditions

combustion zone temperature measured during the most recent complying source test minus 50 degrees F, provided that the minimum combustion zone temperature shall not be less than 1400 degrees F.

14. The owner/operator shall ensure that the emissions of nitrogen oxides (NO_x) from A406 do not exceed 0.06 pounds per million BTU (calculated as NO_2). (Basis: RACT)

15. The owner/operator shall ensure that the emissions of carbon monoxide (CO) from A406 do not exceed 0.2 pounds per million BTU. (Basis: RACT)

16. *The owner/operator shall ensure that hydrogen sulfide (H_2S) emissions are less than 0.278 lb/hr at the outlet of A406. (Basis: 2-1-301)

17. *The owner/operator shall ensure that the emissions of methane (CH_4) from A406 do not exceed 0.9 pounds per million BTU. (Basis: 2-1-301)

18. In order to demonstrate compliance with parts 14, 15, 16, and 17 of these conditions, the owner/operator shall conduct an initial District approved source test on A406, Enclosed Flare within 60 days of startup. The source test shall determine the following:
    a. digester gas flow rate (dry basis);
    b. concentrations (dry basis) of carbon dioxide (CO_2), nitrogen (N_2), oxygen (O_2), methane (CH_4) and hydrogen sulfide (H_2S) and total non-methane organic compounds (NMOC) in the digester gas;
    c. stack gas flow rate (dry basis);
    d. concentrations (dry basis) of NO_x, CO, H_2S, CH_4, NMOC, SO_2, and O_2 in the stack gas;
    e. the H_2S and methane destruction efficiencies achieved by each flare; and
    f. the average combustion temperature during the test period.

    In addition, source tests shall be repeated every 8,760 hours of operation or every five years, whichever comes first. The periodic source test is not required if the flare has not been operated since the last District-approved source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and to the Source Test Section within 60 days of the test date. (Basis: Regulations 2-1-301 and 9-1-302)

19. In order to demonstrate compliance with the above conditions, the owner/operator shall maintain the following records in a District approved logbook.
    a. Record the operating times and the digester gas flow rate to A406 and A407 on a daily basis when operating. Summarize these records on a monthly basis.
    b. Maintain continuous records of the combustion zone temperature for A406, Enclosed Flare during all hours of operation.
    c. Maintain records of all test dates and test results performed to demonstrate

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compliance with part 18 above and any applicable rule or regulation.
All records shall be maintained on site or shall be made readily available to District staff upon request for a period of at least 5 years from the date of entry. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations. (Basis: Cumulative Increase, 2-1-301, 2-6-501, 9-1-302, and 9-2-301)

20. In order to demonstrate compliance with the maintenance/construction activity provisions of Part 2, the owner/operator shall maintain the following records in a District approved logbook:
    a. Record the operating times of each flare listed within Part 2, operated during maintenance/construction activities;
    b. Record the combined daily thermal throughput of all listed flares within Part 2 during maintenance/construction activities; and
    c. Record the total amount of digester gas from S210, Anaerobic Digesters, which is abated by the listed flares in Part 2 during maintenance/construction activities, on a monthly basis.

    All records shall be maintained on site or shall be readily available to District staff upon request for a period of at least 5 years from the date of entry. These record keeping requirements do not replace the record keeping requirement contained in any applicable rules or regulations. (Basis: Cumulative Increase and Regulation 2-6-501)

Condition# 18680
For S26, Gasoline Dispensing Island

1. The Phil Tite EVR Phase I Vapor Recovery System, including all associated plumbing and components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-101. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.

2. The owner or operator shall conduct and pass a Rotatable Adaptor Torque Test (CARB Test Procedure TP201.1B) and either a Drop Tube/Drain Valve Assembly Leak Test (TP201.1C) or, if operating drop tube overfill prevention devices (“flapper valves”), a Drop Tube Overfill Prevention Device and Spill Container Drain Valve Leak Test (TP201.1D) at least once in each 36-month period. Measured leak rates of each component shall not exceed the levels specified in VR-101.

   The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within fifteen (15) days of testing. Start-up tests results submitted to the

VI. Permit Conditions

District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109).

Condition # 22820
For S56, Emergency IC Engine CL Bldg, 250 KW

1. Operating for reliability-related activities is limited to 20 hours per year per engine. [Basis: "Stationary Diesel Engine ATCM", title 17, CA Code of Regulations, section 93115.6(b)(3)(A)1.a or Regulation 2-5]

2. The owner or 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: BAAQMD Regulation 9-8-330]

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", title 17, CA Code of Regulations, section 93115.10(d)(2)]

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", title 17, CA Code of Regulations, section 93115.10(f)(1), (or, Regulation 2-6-501)]

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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 or 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", title 17, CA Code of Regulations, section 93115.6(b)(2)]

Condition 22850
For Emergency Standby Diesel Generators: S-66, Perkins, Model: D150-8, 274 BHP, 2008 and for S222, S223, S2224, and S225, Caterpillar, Model: C174, 4376 BHP, 2015

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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: Title 17, California Code of Regulations,

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section 93115, ATCM for Stationary CI Engines]

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: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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, athletic field, or other areas of school property but does not include unimproved school property. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

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Condition# 24298 ----------
For S26, Gasoline Dispensing Island

1. The VST EVR Phase II Vapor Recovery System with the Veeder-Root Vapor Polisher without ISD, including all associated underground plumbing, shall be installed, operated, and maintained in accordance with the most recent revision of the California Air Resources Board (CARB) Executive Order (E.O.). VR-203. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.

2. The owner/operator of the facility shall maintain records in accordance with the following requirements. Records shall be maintained on site and made available for inspection for a period of 24 months from the date the record is made.
   a. Monthly throughput of gasoline pumped, summarized on an annual basis

3. All applicable components shall be maintained to be leak free and vapor tight. Leak Free, as per BAAQMD (District) Regulation 8-7-203, is a liquid leak of no greater than three drops per minute. Vapor Tight, as per District Regulation 8-7-206, is a leak of less than 100 percent of the lower explosive limit on a combustible gas detector measured at a distance of 1 inch from the source or absence of a leak as determined by the District Manual of Procedures, Volume IV, ST-30 or CARB Method TP-201.3.

4. The VST EVR Phase II system with the Veeder-Root Vapor Polisher without ISD shall be capable of demonstrating on- going compliance with the vapor integrity requirements of CARB Executive Order E.O. VR-203. The owner or operator shall conduct and pass the following tests at least once in each consecutive 12-month period following successful completion of start-up testing. Tests shall be conducted and evaluated using the below referenced test methods and standards.
   a. Static Pressure Performance Test - TP-201.3
   b. Dynamic Back Pressure Test - TP-201.4 (7/3/02) in accordance with the condition listed in item 1 of the Vapor Collection Section of E.O. VR-203, Exhibit 2. The dynamic back pressure shall not exceed 0.35" WC @ 60 CFH and 0.62" WC @ 80 CFH
   c. Liquid Removal Test - E.O. VR-203, Exhibit 5, Option 1 (Only test hoses containing more than 25 ml liquid)
   d. Vapor Pressure Sensor Verification Test - E.O. VR-203, Exhibit 8,
   e. Veeder-Root Vapor Polisher Operability Test. E.O. VR-203, Exhibit 11
   f. Veeder-Root Vapor Polisher Emissions Test - E.O. VR-203, Exhibit 12

5. The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for

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permitting. Test results for all performance tests shall be submitted in a District-approved format within thirty days of testing. Start-up tests results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087 or mail (BAAQMD Source Test Section, 375 Beale St, Suite 600, San Francisco CA 94105).

6. The maximum length of the coaxial hose assembly, including breakaway, swivels, and whip hoses, shall be fifteen (15) feet.

7. The dispensing rate shall not exceed ten (10.0) gallons per minute (gpm), nor be less than six (6.0) gpm with the nozzle trigger at the highest setting. Compliance with this condition shall be verified using the applicable provisions of E.O. VR-203, Ex. 5. Flow limiters may not be used.

8. The TLS console controlling the Veeder-Root Vapor Polisher shall be equipped with a printer and have an open RS232 port that is accessible to District staff during operating hours.

9. Except when necessary for testing and maintenance, the Veeder-Root Vapor Polisher shall be on and in automatic vapor processor mode with the inlet valve in the open position per E.O. VR-203, Ex. 2. The handle shall not be removed for any reason.

10. The station shall maintain OSHA-approved access to the Veeder-Root Vapor Polisher. This access should be provided immediately upon request by District personnel

11. Security tags shall be installed and maintained on the Veeder-Root Vapor Polisher. A Veeder-Root Vapor Polisher Operability Test and a Veeder-Root Vapor Polisher Emissions Test shall be performed after the replacement of any damaged or missing tags using the above referenced test methods and subject to the above notification and reporting requirements.

12. Each storage tank vent pipe shall be equipped with a CARB certified pressure/vacuum relief valve as required by the applicable Phase I E.O. Vents pipes may be manifolded to reduce the number of relief valves needed. No relief valve shall be installed on the Veeder-Root Vapor Polisher outlet.

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Condition 26312
This condition as initially adopted in New Source Review (NSR) Application 27366 on June 20, 2016, is further amended within NSR Application 30725.

For S S120, Primary Treatment

1. After issuance of the permit to operate pursuant to Application 27366, the owner/operator shall ensure that the screening building at S120, Primary Treatment, is enclosed and is abated at all times by A6, Carbon System, except for periods not to exceed 24 hours during which the carbon is replaced. (Basis: 2-1-403)

2. The owner/operator shall ensure that the carbon is replaced in either of the two carbon beds within 24 hours when routine monitoring shows that the concentration of H2S exceeds 1.5 ppm or the concentration of POC exceeds 10 ppm. The owner/operator shall maintain a supply of carbon on site to ensure that replacement of carbon occurs in an expeditious manner. (Basis: 2-1-403)

3. The owner/operator shall monitor the concentration of H2S at A6 with a portable H2S monitor or other approved method at the outlet of each carbon vessel on a weekly basis. (Basis: 2-1-403)

4. The owner/operator of A6 shall monitor POC concentrations on a weekly basis with a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the District's Source Test Manager at the following locations:

   a. At the inlet to the carbon vessels.
   b. At the outlet of the carbon vessels.
   c. When using an FID to monitor breakthrough, readings may be taken with and without a carbon filter tip fitted on the FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purpose of these permit conditions. [basis: 2-1-403]

Condition 26313
This condition as initially adopted in New Source Review (NSR) Application 27366 on June 20, 2016, is further amended within NSR Application 30725.

For S –200, Sludge Handling

1. After issuance of the permit to operate pursuant to Application 27366, the owner/operator shall ensure that the dissolved air flotation units and the thickened sludge storage tanks at S200, Sludge Handling, are covered and are abated at all times by A5, Biotrickling Filter. (Basis: 2-1-403)

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2. The owner/operator shall ensure that the concentration of H2S at the outlet of A5 does not exceed 1.5 ppm. (Basis: 2-1-403)

3. The owner/operator shall monitor the concentration of H2S with a portable H2S monitor or other approved method at the outlet of the A5 Biotrickling Filter on a weekly basis. (Basis: 2-1-403)

4. The owner/operator shall control the H2S concentrations with portable carbon units during maintenance or media replacement at A5. [basis: 2-1-403]

Condition #26639

This permit condition, as originally adopted within New Source Review Application #28651 on April 3, 2018, is further amended within New Source Review Application #29724 and Application 31365 on May 5, 2022, and New Source Review Application #699829 on December 12, 2024. Part 3 has been deleted because sources S36, S37, S38, and S54 have been removed. Part 22f was added in Application 29724. Part 22g was added in Application 31365.

Equipment included in this permit condition:

S67 Cogeneration System #1
S68 Cogeneration System #2
S69 Cogeneration System #3
S70 Cogeneration System #4
S72 Dual Fueled Digester Gas/Natural Gas Boiler
S73 Dual Fueled Digester Gas/Natural Gas Boiler

A9	Gas Treatment System – Iron Sponge
A10	Selective Catalytic Reduction
A11	Oxidation Catalyst
A12	Selective Catalytic Reduction
A13	Oxidation Catalyst
A14	Selective Catalytic Reduction
A15	Oxidation Catalyst
A16	Selective Catalytic Reduction
A17	Oxidation Catalyst
A18	Gas Treatment System – Activated Carbon

1. The owner/operator shall fire S67, S68, S69, and S70 exclusively on digester gas from S210, Anaerobic Digesters, and/or pipeline quality natural gas. (basis: Cumulative Increase)

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2. The owner/operator of S67, S68, S69, and S70, shall not allow the combined heat input to exceed 1,084,974 million BTU (HHV) during any consecutive 12-month period. (basis: Cumulative Increase)

3. Deleted Application 699829.

4. The owner/operator shall ensure that all digester gas combusted in S67, S68, S69, and S70 is treated by A9 and A18 prior to combustion. The owner/operator shall not allow the concentration of total sulfur in the gas exiting A18 to exceed 50 ppm. (basis: Cumulative Increase)

5. The owner/operator shall properly maintain and operate A9 and A18 in accordance to the manufacturer's specifications during all periods of operation of S67, S68, S69, and S70. The owner/operator shall not regenerate A9 and A18 media on site. (basis: Cumulative Increase)

6. The owner/operator shall abate NOx emissions from S67, S68, S69, and S70 by A10, A12, A14, and A16, respectively, at all times of operation except during startup and shutdown of S67, S68, S69, and S70. The owner/operator shall ensure that each SCR catalyst bed is equipped with a temperature monitor and continuous recorder that accurately measures and records the temperature of exhaust gas from the catalyst during all periods of operation. Except during periods of startup or shutdown, the owner/operator shall maintain the exhaust gas temperature within a range of 575 degrees Fahrenheit and 960 degrees Fahrenheit while the engine is in operation. (basis: Cumulative Increase)

7. The owner/operator shall properly maintain and operate A10, A12, A14, and A16 in accordance to manufacturer's specifications during all periods of operation of S67, S68, S69, and S70. (basis: BACT)

8. The owner/operator shall abate CO and organic compound emissions from S67, S68, S69, and S70 by A11, A13, A15, A17, respectively, at all times of operation except during startup and shutdown of S67, S68, S69, and S70. (basis: BACT, Regulation 2-5-302)

9. The owner/operator shall properly maintain and operate A11, A13, A15, and A17 in accordance to manufacturer's specifications during all periods of operation of S67, S68, S69, and S70. (basis: BACT)

10. The owner/operator shall not allow NOx emissions from each of S67, S68, S69, and S70 to exceed an emission rate of 0.124 grams of NOx (calculated as NO2) per brake-horsepower-hour, or the equivalent outlet concentration of 11 ppmv of NOx, corrected to 15% oxygen, dry basis, averaged over the test period. The owner/operator shall not allow total NOx emissions from all four engines to exceed 23.15 tons per year. The concentration and grams per brake-horsepower-hour limits do not apply during periods of

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startup or shutdown. The startup period shall not exceed 2 hours and the shutdown period shall not exceed 1 hour. (basis: Cumulative Increase, BACT)

11. The owner/operator shall not allow CO emissions from each of S67, S68, S69, and S70 to exceed an emission rate of 0.89 grams of CO per brake-horsepower-hour, or the equivalent outlet concentration of 130 ppmv of CO, corrected to 15% oxygen, dry basis, averaged over the source test period. The owner/operator shall not allow total CO emissions from all four engines to exceed 166.17 tons per year. The concentration and grams per brake-horsepower-hour limits do not apply during periods of startup and shutdown. The startup period shall not exceed 2 hours and the shutdown period may not exceed 1 hour. (Basis: Cumulative Increase, BACT)

12. In order to demonstrate compliance with the limits in Parts 10 and 11, the owner/operator shall use a portable analyzer to take NOx and CO emission readings to verify compliance with Parts 10 and 11 at least once on each engine every 720 hours of engine operation. All emission readings shall be taken with the engine operating at conditions representative of normal operations. NOx emission readings shall be averaged over a consecutive 15-minute period. (Basis: BACT, Cumulative Increase, and Regulation 2-1-403 and 9-8-503)

13. The owner/operator shall not allow PM10 or PM2.5 emissions from each of S67, S68, S69, and S70 to exceed 0.07 grams of PM10 or PM2.5 per brake-horsepower-hour. The owner/operator shall not allow total PM10 or PM2.5 emissions from all four engines to exceed 13.07 tons per year. This includes condensable and filterable PM. (Basis: Cumulative Increase, BACT)

14. Deleted Application 699829.

15. a. The owner/operator shall not allow POC measured as NMOC or NMEOC emissions from each of S67, S68, S69, and S70 to exceed 0.12 grams of POC per brake-horsepower-hour, or the equivalent outlet concentration of 30.6 ppmv of POC (as methane), corrected to 15% oxygen, dry basis, averaged over the source test period. POC measured as NMOC or NMEOC emissions from S67, S68, S69, and S70 shall not exceed 5.604 tpy per source in any consecutive 12 months. The owner/operator may test POC as non-methane, non-ethane organic compounds (NMEOC). If the owner/operator chooses to measure POC as NMEOC, the test must be performed during the periodic source tests required by part 18 of this condition. (Basis: Cumulative Increase, BACT)

0. b. *The owner/operator shall not allow formaldehyde emissions from each of S67, S68, S69, and S70 to exceed 0.41 pounds per hour. (Basis: Regulation 2, Rule 5)

16. *The owner/operator shall not allow the ammonia (NH3) concentration in the exhaust from each of S67, S68, S69, and S70 to exceed 10 ppmv, corrected to 15% oxygen, dry basis. (Basis: Regulation 2-5-302)

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17. Sampling ports shall be installed in the exhaust stack for S67, S68, S69, and S70 after control in a straight section of piping with at least six (6) diameters clear downstream of any bends, inlets, constriction, flow altering device or change of area or geometry and two (2) diameters upstream of the stack exit or other flow disturbance. The sample ports shall be at least 6" in diameter. The number of sampling ports and platform specifications must be in accordance with BAAQMD document, "Guidelines for Construction of Particulate Sampling and Testing Facilities" The owner/operator must obtain approval from the District's Source Test Section prior to construction. (Basis: MOP Volume IV, Guidelines of Construction of Particulate Sampling and Testing Facilities)

18. In order to demonstrate compliance with Parts 10, 11, and 13 through 16 above and Regulations 9-1-302, 9-8-302.1, 9-8-302.3, the owner/operator shall ensure that a District approved source test is conducted in each engine after startup and once every 8,760 hours of operation or three years, whichever comes first. Each source test shall be conducted at the exhaust stack after control while the engine is operating under normal operating conditions while fired on digester gas or a digester gas and natural gas blend and shall not include startup or shutdown periods. Each source test shall determine all items identified below. The Source Test Section of the District shall be contacted to obtain approval of source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. Source test reports for compliance testing shall be submitted to the Source Test Section within 60 days of the test date. (Basis: BACT, Cumulative Increase, and Regulations 2-5-302, 9-1-302, 9-8-302.1, and 9-8-302.3)

a. Actual gross electrical output (kW-hrs) from the tested engine(s) during the test period and the calculated power output (bhp) from each engine determined using the following equation: bhp = 1.34 * kW;

b. Total flow rate (standard cubic feet per minute, dry basis, or sdcfm) of all gaseous fuel to the tested engine(s);

c. Concentrations (percent by volume or ppmv, dry basis) of carbon dioxide (CO2), nitrogen (N2), oxygen (O2), methane (CH4), total non-methane organic compounds (NMOC) or total non-methane non-ethane organic compounds (NMEOC), and total sulfur compounds (TS) in the gaseous fuel burned in the tested engine(s);

d. Higher heating value (BTU/scf) for the biogas;

e. Heat input rate (BTU/hour) to the tested engine(s) averaged over the test period;

f. Exhaust gas flow rate (sdcfm) from the tested engine(s) based on EPA Method 2 or Method 19;

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g. Concentrations (ppmv or percent by volume, dry basis) of NOx, CO, CH4, NMOC or NMEOC, SO2, NH3, formaldehyde, and O2 in the exhaust gas from the tested engine(s);

h. Corrected concentrations (ppmv, corrected to 15% O2, dry basis) of CO, NOx, SO2, CH4, and NH3 in the exhaust gas from the tested engine(s);

i. Corrected concentration (ppmv, dry basis) of NMOC or NMEOC in the fuel to the tested engine(s);

j. NMOC or NMEOC destruction efficiency (weight percent) achieved by the tested engine(s);

k. Emission rates (grams/bhp-hour) of NOx, CO, and PM10 from each engine;

l. Emissions (pounds/hour) of PM10 from each engine and the PM10 grain loading rate (grains/dscf) from the tested engine(s). This includes filterable and condensable particulate.

m. Emission rate (pounds/hour) of formaldehyde from the tested engine(s);

n. Average temperature of the SCR catalyst exhaust gas temperature for the tested engine(s) during the test period.

o. During the source test, the owner/operator shall also measure concentrations of NOx, CO, and O2 (ppmv) in the exhaust from the tested engine(s) using the portable analyzer procedures described in Part 12. The portable analyzer measurements of corrected NOx and CO concentrations shall be compared to the values measured pursuant to Part 18h.

p. If the owner/operator chooses to measure POC as NMEOC, the owner/operator shall follow the procedures stated in EPA letter dated June 6, 2014 from Jodi Howard, EPA, to Jordan Laster, Alliance Source Testing, regarding Method 18 and Method 25A to subtract methane and ethane from the total organics, including the sampling line requirements, the calibration requirements, the requirement for a measurement every 15 minutes, the procedures regarding linearity, calibration drift error, and drift in Method 25A, and calibration results for methane and ethane. The NMEOC test must be performed during the periodic source tests required by part 18 of this condition.

19. The owner/operator shall measure and record the flowrate of the biogas and natural gas supplied to the engines on a continuous basis (at least one measurement every 15-minutes) using a District approved method. The flow meters and recorder shall be installed and properly calibrated prior to any engine operation; this equipment shall be maintained in good working condition. (Basis: Cumulative Increase)

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20. To demonstrate compliance with the limit in Part 4, the owner/operator shall monitor and record the sulfur content of the treated digester gas at least once each month. (Basis: Cumulative Increase)

    a. The owner/operator shall conduct the monitoring required by Part 4 of this condition in accordance with any of the following methodologies:

    i. Draeger Tube Test Method: A Draeger Tube test or a meter using a Draeger H_2S sensor, Part No 680910, or equivalent, demonstrating an H_2S level up to 200 ppmv shall demonstrate compliance with the above limit. An H_2S measurement by Draeger Tube exceeding 200 ppmv shall not be deemed a violation but shall trigger a requirement to demonstrate compliance using either methods of Part 20(a)(ii) and 20(a)(iii) of this condition.

    ii. Portable Instrument Method: A Draeger PAC-III (or equivalent) portable meter with an H_2S sensor capable of measuring over 800 ppmv H_2S. In the event that H_2S levels exceed 800 ppmv, the owner/operator shall commence to perform a source test using the method of Part 20(a)(iii) of this condition.

    iii. Chromatographic Method: The owner/operator may sample and test for sulfides according to BAAQMD Lab Method 44A (Manual of Procedures, Volume III), or by ASTM Method 5504, or by any other equivalent method, approved in advance by the District.

21. The owner/operator shall monitor and record the heat content of the digester gas at least once each month. (Basis: Cumulative Increase)

22. The owner/operator shall maintain the following plans and records on-site for a minimum of 5 years from the date of entry. The plans and records shall be made available to District staff upon request. (Basis: Cumulative Increase, BACT, Regulations 2-1-403, 9-8-503, offsets)

    a. Records of heat input to each engine for each calendar month and for each rolling 12-month period. Heat input shall be calculated using District approved procedures based on measured biogas flow rate data and measured biogas methane concentration data. The calculated heat input rates shall be recorded in a data acquisition system or electronic spreadsheet.

    b. Records of all monitoring or source testing conducted to demonstrate compliance with this permit condition and District rules.

    c. An engine maintenance plan.

    d. Records of all maintenance conducted on each engine.

    e. Records of start-ups, shut-downs, and malfunctions for each engine. For any malfunction, the records shall include the cause of the malfunction, the actions

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taken to correct the malfunction, the date and time that the malfunction was corrected, and the actions taken to prevent such malfunctions in the future.

f. Records of hours of operation for each engine

g. Records of hours of operation for each engine

(Basis: Cumulative increase, 2-1-403)

Permit Condition #27140
S-72 and S-73, Boilers.

GENERAL REQUIREMENTS

1. The owner/operator of the Dual Fueled Digester Gas/Natural Gas Firetube Boilers (S72 and S73) shall only operate the sources on digester gas, which is generated from the Anaerobic Digesters (S210) and abated by the Gas Treatment System – Iron Sponge (A9) and the Gas Treatment System – Activated Carbon (A18), and/or Public Utilities Commission regulated natural gas. [Basis: Cumulative Increase]

2. The owner/operator of S72 and S73 shall not allow the heat input to each source exceed 131,794 MMBtu during any consecutive 12-month period. [Basis: Cumulative Increase]

3. The owner/operator of S72 and S73 shall operate these sources only when a non-resettable totalizing fuel meter is installed in each fuel line for each source. [Basis: Regulation 9-7-501]

EMISSION LIMITATIONS

4. The owner/operator shall ensure that the following pollutant concentrations, in the combustion gases exhausting from S72 and S73, are less than the following limits:

   a. NOx:
      i. 9 ppmv @ 3% O2, on a dry basis, when firing natural gas.
      ii. 20 ppmv @ 3% O2, on a dry basis, when firing digester gas.
      iii. A weighted average of the emission limits of Parts 4(a)(i) and 4(a)(ii) of this condition, when firing a combination of digester gas supplemented with natural gas.
   b. POC:
      i. 15 ppmv @ 3% O2, on a dry basis, when firing natural gas.
      ii. 30 ppmv @ 3% O2, on a dry basis, when firing digester gas.
      iii. A weighted average of the emission limits of Parts 4(b)(i) and 4(b)(ii) of this condition, when firing a combination of digester gas supplemented with natural gas.
   c. CO:

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i. 50 ppmv @ 3% O2, on a dry basis, when firing natural gas, digester gas, or a combination of natural gas and digester gas.

[Basis: Cumulative Increase, BACT, and Regulation 9-7-307]

5. The owner/operator of S72 and S73 shall not exceed a PM10 and PM2.5 emission rate of 9.9 lb/day, each. An emission factor of 16.7 lb/MMscf, at the maximum capacity of S72 and S73, is presumed to be in compliance with this part. [Basis: Cumulative Increase]

6. The owner/operator shall ensure that the digester gas fired at S72 and S73 does not exceed a total sulfur content of 50 ppmv. [Basis: Cumulative Increase]

MONITORING REQUIREMENTS

7. To demonstrate compliance with the standard in Part 6 of this condition, the owner/operator shall monitor and record the sulfur content of the digester gas at least once every month. [Basis: Cumulative Increase]

8. The owner/operator shall conduct the monitoring required by Part 7 of this condition in accordance with any of the following methodologies:

   a. Draeger Tube Test Method: A Draeger Tube test or a meter using a Draeger H_2S sensor, Part No 680910, or equivalent, demonstrating an H_2S level up to 200 ppmv shall demonstrate compliance with the above limit. An H_2S measurement by Draeger Tube exceeding 200 ppmv shall not be deemed a violation but shall trigger a requirement to demonstrate compliance using either methods of Part 8(b) and (c) of this condition.
   b. Portable Instrument Method: A Draeger PAC-III (or equivalent) portable meter with an H_2S sensor capable of measuring over 800 ppmv H_2S. In the event that H_2S levels exceed 800 ppmv, the owner/operator shall commence to perform a source test using the method of Part 8(c) of this condition.
   c. Chromatographic Method: The owner/operator may sample and test for sulfides according to BAAQMD Lab Method 44A (Manual of Procedures, Volume III), or by ASTM Method 5504, or by any other equivalent method, approved in advance by the District.

   [Basis: Cumulative Increase and Regulation 2-1-403]

SOURCE TEST REQUIREMENTS

9. Within 60 days from the startup of S72 and S73, and within a frequency of no less than once every 12 months after each subsequent source test thereafter, the owner/operator shall conduct District approved source tests to determine compliance with the limits in Part 4 (a) and (c) of this condition. The owner/operator shall submit the source test results to the District's Source Test Section no later than 60 days after the source test is completed. [Basis: Regulation 2-1-403 and Regulation 9-7-403]

10. Within 60 days from the startup of S72 and S73, and once every 8,760 hours of operation

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or 3 years thereafter, whichever comes first, the owner/operator shall conduct District approved source tests to determine compliance with the limits in Parts 4(b) and 5 of this condition. The owner/operator shall submit the source test results to the District's Source Test Section no later than 60 days after the source test is completed. [Basis: Regulation 2-1-403]

11. The owner/operator shall obtain approval for all source test procedures from the District's Source Test Section prior to conducting any tests. The owner/operator shall comply with all applicable testing requirements as specified in Volume IV of the District's Manual of Procedures. The owner/operator shall notify the District's Source Test Section, in writing, of the source test protocols and projected test dates at least 7 days prior to testing. [Basis: Regulation 2-1-403]

12. Sampling ports shall be installed in the exhaust stacks of S72 and S73 in a straight section of piping with at least six (6) diameters clear downstream of any bends, inlets, constriction, flow altering device or change of area or geometry and two (2) diameters upstream of the stack exit or other flow disturbance. The sample ports shall be at least 6" in diameter. The number of sampling ports and platform specifications must be in accordance with BAAQMD document, "Guidelines for Construction of Particulate Sampling and Testing Facilities." The owner/operator must obtain approval from the District's Source Test Section prior to construction. [Basis: MOP Volume IV, Guidelines of Construction of Particulate Sampling and Testing Facilities]

RECORDKEEPING REQUIREMENTS

13. The owner/operator of S72 and S73 shall maintain the following records for a minimum of five (5) years and be made available to the District upon request:

    a. Total operating hours firing on natural gas only;
    b. Total operating hours co-firing on digester gas;
    c. Monthly records of digester gas and natural gas consumed;
    d. Total sulfur content records required by Part 7 of this condition; and,
    e. Source test results required by Parts 9 and 10 of this condition.

    [Basis: Regulation 2-1-403]

Permit Condition #27178

For S –110, Preliminary Treatment

1. *The owner/operator shall ensure that Headworks 3 of S-110, Preliminary Treatment, is enclosed and abated at all times by A20, Biotower. (Basis: 2-1-403)

2. *The owner/operator shall ensure that the H_2S emissions from the stack of A20 do not exceed 1.5 ppm. (Basis: Regulation 9-2)

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3. *The owner/operator shall monitor the concentration of H_2S at A20 with a portable H2S monitor on a weekly basis. (Basis: 2-1-403)

4. *To determine compliance with Part 3, the owner/operator shall maintain all weekly H_2S readings on site for at least five years from the date of data entry and the records shall be made available to District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulation. (Basis: 2-1-403)

5. To determine compliance with the 300 ppm total carbon limit in BAAQMD Regulation 8-2-301, the owner/operator shall monitor the concentration of total carbon as defined in BAAQMD Regulation 8-2-202.2 at A20 with a portable monitor or approved analytical method on a weekly basis. If the concentration is under 150 ppm for twelve consecutive weeks, the owner/operator shall monitor the concentration on a monthly basis. The results of the first twelve weeks of monitoring shall be submitted to the BAAQMD Engineering division within one month of completion. (Basis: 2-6-503)

6. The owner/operator shall maintain all total carbon readings on site for at least five years from the date of data entry and the records shall be made available to District staff upon request. (Basis: 2-6-501)

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, either 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 Section I-VI, the preceding sections take precedence over Section VII.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S15, Paint Spray Booth
S71, ENCLOSED PAINT BOOTH WITH NATURAL GAS HEATER ABATED BY A5 PAINT ARRESTORS

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Coating Throughput	BAAQMD Condition # 17737, Part 1	Y		50 gal coating during any consecutive twelve-month period at each source.	BAAQMD Condition # 17737, Part 5	P/D	Recordkeeping
Primer Throughput	BAAQMD Condition # 17737, Part 1	Y		50 gal primer during any consecutive twelve-month period at each source	BAAQMD Condition # 17737, Part 5	P/D	Recordkeeping
Solvent Throughput	BAAQMD Condition # 17737, Part 2	Y		50 gal MEK, 50 gal Mineral Spirits during any consecutive twelve-month period at each source	BAAQMD Condition # 17737, Part 5	P/D	Recordkeeping
VOC	BAAQMD 8-19-301.1	Y		Baked coating: 2.3 lb/gal	BAAQMD 8-19-501	P/W	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S15, Paint Spray Booth
S71, Enclosed Paint Booth with Natural Gas Heater abated by A5 Paint Arrestors

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 8-19-301.1	Y		Air dried coating: 2.8 lb/gal	BAAQMD 8-19-501	P/W	Recordkeeping

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S26, Gasoline Dispensing Island

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Throughput	BAAQMD Condition # 17738, Part 1	N		50,000 gallons during any consecutive twelve-month period	BAAQMD Condition # 17738, Part 2	P/M	Records

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S52, Sandblast Operations

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 12-4-301	Y		>Ringelmann 1.0 for less than 3 min in any hour	None	N	None
Usage	BAAQMD Condition # 9055, Part 1	Y		30 tons/consecutive 12 months	BAAQMD Condition # 9055, Part 2	P/M	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S56, EMERGENCY I C ENGINE, DIESEL, CL BLDG 250 KW, 368 HP

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Operating Hours	BAAQMD District Regulation 9-8-331.1	N		Unlimited hours/yr for emergency use	BAAQMD District Regulation 9-8-530	P/M	Records
	BAAQMD District Regulation 9-8-331.3	N		100 hrs/yr for reliability-related activities	BAAQMD District Regulation 9-8-530	P/M	Records
Operating Hours	BAAQMD District Condition # 22820, Part 1	N		20 hrs/yr for reliability-related activities	BAAQMD District Condition # 22820, Part 3 and 4	P/H	Hour Meter; Records
	BAAQMD District Condition # 22820, Part 2	N		Unlimited hours/yr for emergency use	BAAQMD District Condition # 22820, Part 3 and 4	P/H	Hour Meter; Records
SO_2	BAAQMD Regulation 9-1-301	Y		GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave)	None	N	
Diesel Sulfur Content	BAAQMD Regulation 9-1-304	N		0.5% by weight	None	N	
Opacity	BAAQMD Regulation 6-303.1	N		> Ringelmann 2.0 for less than 3 min in any hour	None	N	
	SIP 6-303.1	Y		> Ringelmann 2.0 for less than 3 min in any hour	None	N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S56, EMERGENCY I C ENGINE, DIESEL, CL BLDG 250 KW, 368 HP

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf	None	N	
	SIP 6-310	Y		0.15 gr/dscf	None	N	
Operating Hours	California Code of Regulations Title 17, Section 93115.6(b)(3)(A)1.a	N		Maximum Allowable Annual Hours of Operation for Maintenance and Testing $\leq$ 20 hrs/yr	California Code of Regulations, Title 17, Section 93115.6(b)(3)(A)1.a	P/M	Records

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S66, EMERGENCY IC GENERATOR, DIESEL, 274 HP
S222 TO S225, EMERGENCY I C ENGINES, DIESEL, 4376 HP

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	N		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 9-1-304	Y		Sulfur content of fuel <0.5% by weight		N	
Opacity	BAAQMD Regulation 6-1-303	N		> Ringelmann 2 for no more than 3 min/hr		N	
	SIP 6-303	Y		> Ringelmann 2 for no more than 3 min/hr		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S66, EMERGENCY IC GENERATOR, DIESEL, 274 HP
S222 TO S225, EMERGENCY I C ENGINES, DIESEL, 4376 HP

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	N		0.15 grain/dscf		N	
	SIP 6-310	Y		0.15 grain/dscf		N	
Hours of operation	BAAQMD 9-8-330.1	Y		Emergency use for an unlimited number of hours	BAAQMD Cond# 22850, Parts 3 and 4	P/E	Meter, records
	BAAQMD 9-8-330.3	Y		Reliability-related activities not to exceed 50 hours in any consecutive 12-month period	BAAQMD Cond# 22850, Part 3 and 4	P/E	Meter, records
	BAAQMD District Condition # 22850, Part 1	N		50 hrs/yr for reliability-related activities	BAAQMD District Condition # 22850, Part 3 and 4	P/H	Hour Meter; Records
	BAAQMD District Condition # 22850, Part 2	N		Unlimited hours/yr for emergency use	BAAQMD District Condition # 22850, Part 3 and 4	P/H	Hour Meter; Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	SIP Regulation 9-8-301.2	Y		140 ppmv @ 15% O_2, dry (fossil derived fuel combustion)	BAAQMD Condition # 26639, Part 9.b	P/8760 hours of operation	Source test
	SIP Regulation 9-8-302.1	Y		140 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition # 26639, Part 9.b	P/8760 hours of operation	Source test
NOx	BAAQMD Regulation 9-8-301.2	N		65 ppmv @ 15% O_2, dry (when fired on natural gas exclusively)	BAAQMD Regulation 9-8-503	P/Q	Portable analyzer
NOx	BAAQMD Regulation 9-8-302.1	N		70 ppmv @ 15% O_2, dry (waste gas and natural gas combustion combined)	BAAQMD Regulation 9-8-503	P/Q	Portable analyzer
NOx	40 CFR 60, Subpart JJJJ, Table 1	Y		2.0 g/bhp-hr	40 CFR 60, Subpart JJJJ, 4243(b)(2)(ii) and Table 2	P/8760 hours of operation	Source test
NOx	40 CFR 60, Subpart JJJJ, Table 1	Y		2.0 g/bhp-hr	BAAQMD 26639, Part 18	P/8760 hours of operation	Source test
NOx	BAAQMD Condition #26639, Part 10	Y		0.124 g/bhp-hr or 11 ppmv @ 15% O_2, dry	BAAQMD 26639, Part 18	P/8760 hours of operation or every three years whichever is sooner	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition # 26639, Part 10	Y		0.124 g/bhp-hr or 11 ppmv @ 15% O_2, dry	BAAQMD 26639, Part 12	P/720 hours of operation	Portable monitor
NOx	BAAQMD Condition # 26639, Part 10	Y		23.15 tons per year for all four engines combined	BAAQMD 26639, Part 18	P/8760 hours of operation	Source test and calculations
CO	BAAQMD Regulation 9-8-301.3	Y		2000 ppmv @ 15% O_2, dry (fossil derived fuel combustion)	BAAQMD Condition # 26639, Part 18	P/8760 hours of operation	Source test
	BAAQMD Regulation 9-8-302.3	Y		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Condition # 26639, Part 18	P/8760 hours of operation	Source test
CO	BAAQMD Regulation 9-8-301.3	N		2000 ppmv @ 15% O_2, dry (fossil derived fuel combustion)	BAAQMD Regulation 9-8-503	P/Q	Portable analyzer
CO	BAAQMD Regulation 9-8-302.3	N		2000 ppmv @ 15% O_2, dry (waste gas combustion)	BAAQMD Regulation 9-8-503	P/Q	Portable analyzer
CO	40 CFR 60, Subpart JJJJ, Table 1	Y		5.0 g/bhp-hr	40 CFR 60, Subpart JJJJ, 4243(b)(2)(ii) and Table 2	P/8760 hours of operation	Source test
CO	40 CFR 60, Subpart JJJJ, Table 1	Y		5.0 g/bhp-hr	BAAQMD 26639, Part 18	P/8760 hours of operation	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition # 26639, Part 10	Y		0.89 g/bhp-hr or 130 ppmv @ 15% O_2, dry	BAAQMD 26639, Part 18	P/8760 hours of operation	Source test
CO	BAAQMD Condition # 26639, Part 10	Y		0.89 g/bhp-hr or 130 ppmv @ 15% O_2, dry	BAAQMD 26639, Part 12	P/720 hours of operation	Portable monitor
	BAAQMD Condition # 26639, Part 10	Y		166.17 tons per year for all four engines	BAAQMD 26639, Part 18	P/8760 hours of operation	Source test
NMHC	BAAQMD Regulation 8-2-301	Y		$\leq$ 15 lb/day or $\leq$ 300 ppm total carbon	None	N	
VOC	40 CFR 60, Subpart JJJJ, Table 1	Y		1.0 g/bhp-hr	40 CFR 60, Subpart JJJJ, 4243(b)(2)(ii) and Table 2	P/8760 hours of operation	Source test
VOC	40 CFR 60, Subpart JJJJ, Table 1	Y		1.0 g/bhp-hr	BAAQMD 26639, Part 18	P/8760 hours of operation	Source test
POC measured as NMOC or NMEOC	BAAQMD Condition #26639, Part 15a	Y		0.12 g/bhp-hr or 30.6 ppmv @ 15% O_2, dry	BAAQMD Condition # 26639, Part 18	P/8760 hours of operation	Source test
Formal-dehyde	BAAQMD Condition #26639, Part 15b	N		0.41 lb/hr from each engine	BAAQMD Condition # 26639, Part 18	P/8760 hours of operation	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Ammonia	BAAQMD Condition #26639, Part 16	N		10 ppmv @ 15% O_2, dry	BAAQMD Condition # 26639, Part 18	P/8760 hours of operation	Source test
Opacity	BAAQMD Regulation 6-1-301	N		> Ringelmann 1.0 for less than 3 min in any hour		N	
	SIP 6-301	Y		> Ringelmann 1.0 for less than 3 min in any hour		N	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N	
	SIP 6-310	Y		0.15 gr/dscf		N	
	BAAQMD Regulation 6-1-310.2	N		Grain loading limit depending on exhaust rate, 0.0776 gr/dscf between 7063 and 10594 dscf/min	BAAQMD Regulation 6-1-504	P/Every 5 years	Source test
PM10/ PM2.5	BAAQMD Condition # 26639, Part 13	Y		0.07 g/bhp-hr including filterable and condensable PM	BAAQMD Condition # 26639, Part 18	P/8760 hours of operation	Source test
PM10	BAAQMD Condition # 26639, Part 13	Y		13.07 tons/year including filterable and condensable PM for all four engines	BAAQMD Condition # 26639, Part 18	P/8760 hours of operation	Source test and calculations
PM2.5	BAAQMD Condition # 26639, Part 14	Y		10 tons/year including filterable and condensable PM from project	BAAQMD Condition # 26639, Part 18	P/8760 hours of operation	Source test and calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S67, S68, S69, S70, Cogeneration Systems, Engines, 4834 hp
(Digester gas and natural gas)

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Heat Input	BAAQMD Condition # 26639, Part 2	Y		Not to exceed 1,084,974 million BTU (HHV) during any consecutive 12-month period	BAAQMD Condition # 26639, Part 19	P/15 minutes	Gas Flow Meter
SO_2	BAAQMD Regulation 9-1-301	Y		GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave)		N	
	BAAQMD Regulation 9-1-302	Y		300 ppm	BAAQMD Condition # 26639, Part 20	P/M	Monitoring of digester gas sulfur content
S in Fuel	BAAQMD Condition # 26639, Part 4	Y		50 ppm S in digester gas	BAAQMD Condition # 26639, Part 20	P/M	Monitoring of digester gas sulfur content
H_2S	BAAQMD Regulation 9-2-301	N		Ground level concentration of 0.06 ppm H2S over 3 min or 0.03 ppm H2S over 60 min	BAAQMD Condition # 26639, Part 20	P/M	Monitoring of digester gas sulfur content
Tempe-rature	BAAQMD Condition # 26639, Part 6			Exhaust gas temperature between 575 F and 960 F except during startup and shutdown	BAAQMD Condition # 26639, Part 6	C	Temperature monitoring
Hours of operation					BAAQMD Condition # 26639, Part 22f	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S72, S73, CLEAVER BROOKS FIRETUBE BOILERS
DIGESTER GAS/NATURAL GAS

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Regulation 9-7-307.3	N		15 ppmv, dry at 3% O_2 when firing natural gas only	BAAQMD Condition # 27140, Part 9	P/A	Source test
	BAAQMD Regulation 9-7-307.7	N		30 ppmv, dry at 3% O_2 when firing digester gas only	BAAQMD Condition # 27140, Part 9	P/A	Source test
	BAAQMD Regulation 9-7-307.9	N		Weighted average of natural gas and digester gas limit when firing both fuels	BAAQMD Condition # 27140, Part 9	P/A	Source test
	SIP 9-7-301.1	Y		30 ppmv, dry at 3% O_2	BAAQMD Condition # 27140, Part 9	P/A	Source test
	SIP 9-7-302.1	Y		40 ppmv, dry at 3% O_2	BAAQMD Condition # 27140, Part 9	P/A	Source test
	BAAQMD Condition # 27140, Part 4.a.i	Y		9 ppmv, dry at 3% O_2 when firing natural gas only	BAAQMD Condition # 27140, Part 9	P/A	Source test
NOx	BAAQMD Condition # 27140, Part 4.a.ii			20 ppmv, dry at 3% O_2 when firing digester gas only	BAAQMD Condition # 27140, Part 9	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S72, S73, CLEAVER BROOKS FIRETUBE BOILERS
DIGESTER GAS/NATURAL GAS

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition # 27140, Part 4.a.iii			Weighted average of natural gas and digester gas limit in condition 17140, parts 4.a.i and 4.a. ii when firing both fuels	BAAQMD Condition # 27140, Part 9	P/A	Source test
CO	BAAQMD Regulation 9-7-307.3	N		400 ppmv, dry at 3% O_2	BAAQMD Condition # 17900, Parts 19 and 20	P/A	Source test
CO	SIP 9-7-301.2	Y		400 ppmv, dry at 3% O_2	BAAQMD Condition # 17900, Parts 19 and 20	P/A	Source test
	BAAQMD Condition # 27140, Part 4.c.i	Y		50 ppmv, dry at 3% O_2			
POC	BAAQMD Condition # 27140, Part 4.b.i	Y		15 ppmv, dry at 3% O_2 when firing natural gas only	BAAQMD Condition # 27140, Part 10	P/Every 8760 hours of operation or every three years whichever is sooner	Source test
	BAAQMD Condition # 27140, Part 4.b.ii			30 ppmv, dry at 3% O_2 when firing digester gas only	BAAQMD Condition # 27140, Part 10	P/Every 8760 hours of operation or every three years whichever is sooner	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S72, S73, CLEAVER BROOKS FIRETUBE BOILERS
DIGESTER GAS/NATURAL GAS

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 27140, Part 4.b.iii			Weighted average of natural gas and digester gas limit in condition 17140, parts 4.b.i and 4.b.ii when firing both fuels	BAAQMD Condition # 27140, Part 10	P/Every 8760 hours of operation or every three years whichever is sooner	Source test
Opacity	BAAQMD Regulation 6-1-301	N		> Ringelmann 1.0 for less than 3 min in any hour	None	N	
Opacity	SIP 6-301	Y		> Ringelmann 1.0 for less than 3 min in any hour	None	N	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf @ 6% O2	BAAQMD Condition # 27140, Part 10	P/8760 hours of operation or every three year whichever is sooner	Source test
	SIP 6-310	Y		0.15 gr/dscf @ 6% O2	BAAQMD Condition # 27140, Part 10	P/8760 hours of operation or every three year whichever is sooner	Source test
	BAAQMD Regulation 6-1-310.2	N		Grain loading limit depending on exhaust rate, 0.13 gr/dscf between 1766 and 2649 dscf/min 0.117 gr/dscf between 2649 and 3531 dscf/min	None		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S72, S73, CLEAVER BROOKS FIRETUBE BOILERS
DIGESTER GAS/NATURAL GAS

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM10/ PM2.5	BAAQMD Condition # 27140, Part 5	Y		9.9 lb/day each	BAAQMD Condition # 27140, Part 10	P/8760 hours of operation or every three year whichever is sooner	Source test
SO_2	BAAQMD Regulation 9-1-301	Y		GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr ave)	None	N	
	BAAQMD Regulation 9-1-302	Y		300 ppm	BAAQMD Condition # 17741, Part 4	P/W	Monitoring of digester gas sulfur content
S in Fuel	BAAQMD Condition # 27140, Part 6	Y		50 ppmv	BAAQMD Condition # 27140, Parts 7 and 8	P/M	Sulfur monitoring
Heat Input	BAAQMD Condition # 27140, Part 2	Y		Not to exceed 131,794 MM Btu/hr for each source	BAAQMD Condition # 27140, Part 13c	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S100, Municipal Wastewater Treatment Plant

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Wastewater Throughput	BAAQMD Condition # 17740, Part 1	Y		167 Million gal/day dry 360 Million gal/day wet	BAAQMD Condition # 17740, Part 2	P/D	Records
POC	BAAQMD Regulation 8-2-301	Y		≤ 15 lb/day or ≤ 300 ppm total carbon	None	N	
H_2S	BAAQMD Regulation 9-2-301	N		Ground level concentration of 0.06 ppm H2S over 3 min or 0.03 ppm H2S over 60 min	None	N	

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S110, Preliminary Treatment

Type of Limit	Citation for 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		Ground level concentration 0.06 ppm H2S over 3 min or 0.03 ppm H2S over 60 min	None	N	
H2S	BAAQMD Condition # 27178, Part 2	N		1.5 ppmv in outlet of A20	BAAQMD Condition # 27178, Part 4	P/W	Portable monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S110, Preliminary Treatment

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-2-301	Y		≤ 15 lb/day or ≤ 300 ppm total carbon	BAAQMD Condition # 27178, Part 5	P/W or M	Portable monitor

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S120, Primary Treatment

Type of Limit	Citation for 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		Ground level concentration 0.06 ppm H2S over 3 min or 0.03 ppm H2S over 60 min	None	N	
H2S	BAAQMD Condition # 26312, Part 2	N		1.5 ppmv in outlet of A6	BAAQMD Condition # 26312, Part 4	P/W	Portable monitor
POC	BAAQMD Condition # 26312, Part 2	Y		10 ppmv in outlet of A6	BAAQMD Condition # 26312, Part 5	P/W	Portable monitor
POC	BAAQMD Regulation 8-2-301	Y		≤ 15 lb/day or ≤ 300 ppm total carbon	BAAQMD Condition # 26312, Part 5	P/W	Portable monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - K
Applicable Limits and Compliance Monitoring Requirements
S200, Sludge Handling

Type of Limit	Citation for 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		Ground level concentration 0.06 ppm H2S over 3 min or 0.03 ppm H2S over 60 min	None	N	
H2S	BAAQMD Condition # 26313, Part 2	N		1.5 ppmv in outlet of A6	BAAQMD Condition # 2631e, Part 3	P/W	Portable monitor
POC	BAAQMD Condition # 26312, Part 2	Y		10 ppmv in outlet of A6	BAAQMD Condition # 26312, Part 5	P/W	Portable monitor
POC	BAAQMD Regulation 8-2-301	Y		$\leq$ 15 lb/day or $\leq$ 300 ppm total carbon	None		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S210, Anaerobic Digesters, A404, A405, A406, A407, FLARES

Type of Limit	Citation for 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		Ground level concentration 0.06 ppm H2S over 3 min or 0.03 ppm H2S over 60 min	None	N	
H2S	BAAQMD Condition # 17741, Part 16	Y		0.278 lb/hr from A406, flare	BAAQMD Condition # 17741, Part 18	P/Every 8760 hr of operation or 5 years, whichever is sooner	Source test
	BAAQMD Condition # 17741, Part 8	Y		1.22 lb/hr from digester vents	BAAQMD Condition # 17741, Part 7	P/E	Records of digester gas venting and H2S concen-tration
Digester Gas Sulfur Content	BAAQMD Condition # 17741, Part 3a	Y		315 ppm	BAAQMD Condition # 17741, Part 4	P/D	Daily digester gas monitoring
SO2	BAAQMD Condition # 17741, Part 4	Y		12.722 tons/yr	BAAQMD Condition # 17741, Part 4	P/D	Daily digester gas sulfur and production monitoring
Heat input limit	BAAQMD Condition # 17741, Part 9	Y		605 MMbtu/day for A406, flare	BAAQMD Condition # 17741, Parts 11 and 19	P/E	Flow meters and recorders

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S210, Anaerobic Digesters, A404, A405, A406, A407, FLARES

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Heat input limit	BAAQMD Condition # 17741, Part 10	Y		6,567 MMbtu/day for A407, flare	BAAQMD Condition # 17741, Part 11 and 19	P/E	Flow meters and recorders
CH4	BAAQMD Condition # 17741, Part 17	Y		0.9 lb/MMbtu	BAAQMD Condition # 17741, Part 18	P/Every 8760 hr of operation or 5 years, whichever is sooner	Source test
Temperature	BAAQMD Condition # 17741, Part 13	Y		1400 F for A406, flare	BAAQMD Condition # 17741, Parts 12 and 19	P/E	Temperature monitor and recorder
NOx	BAAQMD Condition # 17741, Part 14	Y		0.06 lb/MMbtu for A406, flare	BAAQMD Condition # 17741, Part 18	P/Every 8760 hr of operation or 5 years, whichever is sooner	Source test
CO	BAAQMD Condition # 17741, Part 15	Y		0.2 lb/MMbtu for A406, flare	BAAQMD Condition # 17741, Part 18	P/Every 8760 hr of operation or 5 years, whichever is sooner	Source test
Restrictions on Flaring	BAAQMD Condition # 17741, Part 2	Y		Flaring limited to periods where other combustion units are unavailable or during construction	BAAQMD Condition # 17741, Part 10	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S210, Anaerobic Digesters, A404, A405, A406, A407, FLARES

Type of Limit	Citation for Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Regulation 8-2-301	Y		≤ 15 lb/day or ≤ 300 ppm total carbon	None	N	
Opacity	BAAQMD Regulation 6-1-301	N		> Ringelmann 1.0 for less than 3 min in any hour (applies to flares only)		N	
	SIP 6-301	Y		> Ringelmann 1.0 for less than 3 min in any hour (applies to flares only)		N	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf (applies to flares only)		N	
	SIP 6-310	Y		0.15 gr/dscf (applies to flares only)		N	

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 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 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate; or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
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	Performance Standard, NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-301.4	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
SIP 9-7-301.2	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.1	Performance Standard, NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.2	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-305.1	Performance Standard, NOx, Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-305.2	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-306.1	Performance Standard, NOx, Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-7-306.2	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Regulation 9-8-301.2	Fossil Derived Fuel Gas, NOx Limits for Lean Burn Engines	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Regulation 9-8-301.3	Fossil Derived Fuel Gas, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Regulation 9-8-302.1	Waste Derived Fuel Gas, NOx Limits for Lean Burn Engines	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Regulation 9-8-302.3	Waste Derived Fuel Gas, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
40 CFR 60, Subpart JJJJ, Table 1	NOx Limits	Method 1 or 1A of 40 CFR part 60, appendix A-1, if measuring flow rate, O2 concentration by Method 3, 3A, or 3B[b] of 40 CFR part 60, appendix A-2, Flowrate: Method 2 or 2C of 40 CFR part 60, appendix A-1 or Method 19 of 40 CFR part 60, appendix A-7, Moisture content: Method 4 of 40 CFR part 60, appendix A-3, NOx: Method 7E of 40 CFR part 60, appendix A-4
40 CFR 60, Subpart JJJJ, Table 1	CO Limits	Method 1 or 1A of 40 CFR part 60, appendix A-1, if measuring flow rate, O2 concentration by Method 3, 3A, or 3B[b] of 40 CFR part 60, appendix A-2, Flowrate: Method 2 or 2C of 40 CFR part 60, appendix A-1 or Method 19 of 40 CFR part 60, appendix A-7, Moisture content: Method 4 of 40 CFR part 60, appendix A-3, CO: Method 10 of 40 CFR part 60, appendix A4

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60, Subpart JJJJ, Table 1	VOC limit (VOC as defined by EPA in 40 CFR 51.100(s))	Method 1 or 1A of 40 CFR part 60, appendix A-1, if measuring flow rate, O2 concentration by Method 3, 3A, or 3B[b] of 40 CFR part 60, appendix A-2, Flowrate: Method 2 or 2C of 40 CFR part 60, appendix A-1 or Method 19 of 40 CFR part 60, appendix A-7, Moisture content: Method 4 of 40 CFR part 60, appendix A-3, CO: Method 10 of 40 CFR part 60, appendix A4 EPA Method 25A or EPA Methods 18/25A as described in EPA letter of June 6, 2014 to Alliance Source Testing
BAAQMD Condition # 17900, Part 2	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 17900, Part 3	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 17900, Part 4	Filterable Particulate Emissions	Manual of Procedures, Volume IV, ST-15, Particulate; or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD Condition # 17900, Part 5	NMHC Emissions	Manual of Procedures Volume IV, ST-7 or EPA Method 25 or 25A
BAAQMD Condition # 17901, Part 4	Diesel Sulfur Content	Manual of Procedures, Volume III, Lab 10 or Vendor Fuel Certification
BAAQMD Condition # 17901, Part 5	NOx Emissions	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 17901, Part 6	CO Emissions	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 17901, Part 7	NMHC Emissions	Manual of Procedures Volume IV, ST-7 or EPA Method 25 or 25A
BAAQMD Condition # 17901, Part 8	Particulate Emissions	Manual of Procedures, Volume IV, ST-15, Particulate; or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD Condition # 17901, Part 10	Visible Particles	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition # 17898, Part 2	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 17898, Part 3	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 17898, Part 4	NMHC Limits	Manual of Procedures Volume IV, ST-7 or EPA Method 25 or 25A
BAAQMD Condition # 17898, Part 6	Diesel Sulfur Content	Manual of Procedures, Volume III, Lab 10 or Vendor Fuel Certification
BAAQMD Condition # 17899, Part 2	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 17899, Part 3	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 17899, Part 4	NMHC Limits	Manual of Procedures Volume IV, ST-7 or EPA Method 25 or 25A
BAAQMD Condition # 17741, Part 3	Digester Gas Sulfur	Manual of Procedures, Volume IV, ST-21, Total Reduced Sulfur
BAAQMD Condition # 26639, Part 10	NOx limit	Method 1 or 1A of 40 CFR part 60, appendix A-1, if measuring flow rate, O2 concentration by Method 3, 3A, or 3B[b] of 40 CFR part 60, appendix A-2, Flowrate: Method 2 or 2C of 40 CFR part 60, appendix A-1 or Method 19 of 40 CFR part 60, appendix A-7, Moisture content: Method 4 of 40 CFR part 60, appendix A-3, NOx: Method 7E of 40 CFR part 60, appendix A-4
BAAQMD Condition # 26639, Part 11	CO limit	Method 1 or 1A of 40 CFR part 60, appendix A-1, if measuring flow rate, O2 concentration by Method 3, 3A, or 3B[b] of 40 CFR part 60, appendix A-2, Flowrate: Method 2 or 2C of 40 CFR part 60, appendix A-1 or Method 19 of 40 CFR part 60, appendix A-7, Moisture content: Method 4 of 40 CFR part 60, appendix A-3, CO: Method 10 of 40 CFR part 60, appendix A4
BAAQMD Condition # 26639, Part 13	PM limit	EPA Method 201A, Determination of PM10 and PM2.5 Emissions from Stationary Sources or approved alternative
BAAQMD Condition # 26639, Part 10	Overall project PM limit	EPA Method 201A, Determination of PM10 and PM2.5 Emissions from Stationary Sources or approved alternative

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 26639, Part 15	POC limit	Method 1 or 1A of 40 CFR part 60, appendix A-1, if measuring flow rate, O2 concentration by Method 3, 3A, or 3B[b] of 40 CFR part 60, appendix A-2, Flowrate: Method 2 or 2C of 40 CFR part 60, appendix A-1 or Method 19 of 40 CFR part 60, appendix A-7, Moisture content: Method 4 of 40 CFR part 60, appendix A-3, CO: Method 10 of 40 CFR part 60, appendix A4 EPA Method 25A or EPA Methods 18/25A as described in EPA letter of June 6, 2014 to Alliance Source Testing
BAAQMD Condition # 26639, Part 16	NH3 limit	Manual of Procedures Volume IV, ST-1B, Ammonia

IX. PERMIT SHIELD

Not Applicable

X. REVISION HISTORY

Title V Permit Issuance (Application 17491):	**June 12, 2001**
Administrative Permit Amendment (no application):	**October 4, 2001**
Renewal: (Application 14261)	**June 26, 2007**
Minor Revision Issuance (Application 17755)	**September 8, 2008**
Minor Revision Issuance (Application 17638)	**February 17, 2009**
Renewal: (Application 24035)	**March 6, 2017**
Renewal: (Application 31365): **Significant Revision (Application 29983):** **Minor Revisions (Applications 27151, 27354, 28956 and 29983):**	**May 3, 2022**
Significant Revision (Application 699830), Minor Revision (NSR Application 30091) and Administrative Amendments	**August 20, 2025**

XI. 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.

XI. 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 or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources.

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 both 40 CFR Part 63, and District Regulation 2, Rule 5.

IC
Internal Combustion

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of any regulated air pollutant, (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 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 40 CFR Parts 61 and 63.

NMHC
Non-methane Hydrocarbons (Same as NMOC or POC)

NMOC
Non-methane Organic Compounds (Same as NMHC or POC)

NMEOC
Non-methane non-ethane organic compounds

XI. Glossary

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 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 those pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the 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 Act.

POC
Precursor Organic Compounds (same as NMHC and NMOC)

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.

RICE
Reciprocating Internal Combustion Engine

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

XI. Glossary

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)

THP
Total Petroleum Hydrocarbons

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
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