

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:

**City of Sunnyvale Water Pollution Control
Facility #A0733**

Facility Address:

1444 Borregas Ave.
Sunnyvale, CA 94089

Mailing Address:

PO Box 3707
Sunnyvale, CA 94088

Responsible Official

Melody Tovar
Environmental Services Department
(408) 730-7740

Facility Contact

Melody Tovar
Environmental Services Department
(408) 730-7740

Type of Facility: Public-Owned Treatment Works BAAQMD Engineering Contact
Primary SIC: 4952 Carol Lee
Product: Municipal Wastewater Treatment Facility

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jaime A. Williams _____
Jaime A. Williams, Director of Engineering Division

November 6, 2017
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 4/18/12);

SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant
Deterioration
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04),

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

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 01/06/10);

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

SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95).

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

1. This Major Facility Review Permit was issued on May 22, 2013 and expires on May 21, 2018. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than November 21, 2017 and no earlier than May 21, 2017. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after May 21, 2018.** If the permit renewal has not been issued by May 21, 2018, 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 reissuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or

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- 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 reissuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
 6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
 7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
 8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
 9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
 10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
 11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, 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)

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C. Requirement to Pay Fees

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

D. Inspection and Entry

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

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 entry. (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. Monitoring reports shall be for the following periods: July 1st through December 31st and January 1st through June 30th of each year, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

(Regulation 2-6-502; 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 July 1st through June 30th of each year. The certification shall be submitted by July 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a

I. Standard Conditions

copy of the certification shall be sent by e-mail to r9.aeo@epa.gov or postal mail to the Environmental Protection Agency at the following address:

Director of the 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, Section 301. (Regulation 2-1-301)

K. Accidental Release

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

II. EQUIPMENT LIST

Table II-A

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

S-#	Description	Make or Type	Model	Capacity
S-14	Engine Generator (landfill gas, digester gas, natural gas) (Existing after 6/15/97)	Caterpillar	3516	8.2 MMbtu/hr, 1150 hp
S-15	Engine Generator (landfill gas, digester gas, natural gas) (Existing after 6/15/97)	Caterpillar	3516	8.2 MMbtu/hr, 1150 hp
S16	Influent pump #1 – IC Engine (Digester gas, natural gas)	Waukesha	NKR 1905	2.52 MMbtu/hr, 224 HP, Displacement 1905 cubic inches
S-17	Influent pump #2 – IC Engine (Digester gas, natural gas)	Waukesha	NKR 1905	2.52 MMbtu/hr, 224 HP, Displacement 1905 cubic inches
S-18	Influent pump #3 – IC Engine (Digester gas, natural gas)	Waukesha	NKR 1905	2.52 MMbtu/hr, 224 HP, Displacement 1905 cubic inches
S-19	Emergency Natural Gas Standby Generator	Ford	LSG875	1.7 MMbtu/hr, 200 HP, Displacement 460 cubic inches
S-100	Municipal Wastewater Treatment Plant	custom		
S-110	Preliminary Treatment	custom		29.5 MM gal/day
S-120	Primary Treatment	custom		29.5 MM gal/day
S-130	Secondary Treatment	custom		29.5 MM gal/day
S-140	Tertiary Treatment	custom		29.5 MM gal/day
S-150	Disinfection	custom		29.5 MM gal/day
S-161	Solids Dewatering System	custom		29.5 MM gal/day
S-170	Anaerobic Digesters	custom		29.5 MM gal/day

II. Equipment List

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-12	Waste Gas Burner, Pedestal Type, Digester gas	S-170	BAAQMD Regulation 8-2-30	None	15 lb/day or 300 PPM total carbon on a dry basis
A-13	Waste Gas Flare, Digester gas	S-170	BAAQMD Regulation 8-2-30	None	15 lb/day or 300 PPM total carbon on a dry basis

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of the SIP requirements are available on the EPA Region 9 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 (4/18/12)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 2-1-429	Federal Emissions Statement (12/21/04)	N

IV. Source Specific Applicable Requirements

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (01/06/10)	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 (7/09/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)	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 (03/22/95)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (07/01/09)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/20/04)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (08/26/03)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (03/22/95)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds-Solvent Cleaning Operation (08/26/03)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (006/15/05)	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 (07/16/02)	N

IV. Source Specific 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 (02/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants-Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	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
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	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (4/13/05)	Y
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions – Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions – Technician Certification	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of the SIP requirements are available on the EPA Region 9 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.

This section summarizes the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, combined with previous Section VII, Applicable Limits and Compliance Monitoring Requirements. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency 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.

Monitoring of pressure drop and the use of bag leak detectors is used for monitoring on-going compliance. Operation outside of the listed ranges for pressure drop and bag leak detection systems are reportable compliance activities, which may or may not result in violations.

A column for Recordkeeping, R, has been added to the new Table IV for completeness.

Note: (M#) means EPA Test Method #

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)						
1-107	Combinations of Emissions						N
1-523	Parametric Monitoring and Recordkeeping Procedures						N
1-523.1	Reporting requirement for periods of in-operation > 24 hours						N
1-523.2	Limit on duration of in-operation	PERIODS OF INOPERATION FOR PARAMETRIC MONITORS < 15 consecutive days per incident and < 30 calendar days per 12 month period	BAAQMD 1-523	P/D	Records of occurrence and duration	Y	N
1-523.3	Reporting requirement for violations of any applicable limits						N
1-523.4	Records of in-operation, tests, calibrations, adjustments, & maintenance						N
1-523.5	Maintenance and calibration						N
SIP Regulation 1	General Provisions and Definitions (6/28/99)						
1-107	Combinations of Emissions						Y
1-523	Parametric Monitoring and Recordkeeping Procedures						Y
1-523.1	Reporting requirement for periods of in-operation > 24 hours						Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
1-523.2	Limit on duration of in-operation	PERIODS OF INOPERATION FOR PARAMETRIC MONITORS < 15 consecutive days per incident and < 30 calendar days per 12 month period	BAAQMD 1-523	P/D	Records of occurrence and duration	Y	Y
1-523.3	Reports of Violations						Y
1-523.4	Records of in-operation, tests, calibrations, adjustments, & maintenance						Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)						
6-1-301	Ringelmann No. 1 Limitation	OPACITY Ringelmann 1.0 for <3 minutes in any hour					N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf					N
6-1-401	Appearance of Emissions						N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)						
6-301	Ringelmann No. 1 Limitation	OPACITY Ringelmann 1.0 for <3 minutes in any hour					Y
6-305	Visible Particles						Y
6-310	Particle Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf					N
6-401	Appearance of Emissions						Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
BAAQMD Regulation 8 Rule 2	Organic Compounds– Miscellaneous Operations (7/20/05)						
8-2-301	Miscellaneous Operation	VOC 15 lb/day and 300ppmd total carbon (dry basis)	BAAQMD cond # 10844, part 6	P/A	Source test	Y	N
SIP Regulation 8 Rule 2	Organic Compounds- Miscellaneous Operation (3/22/95)						
8-2-301	Miscellaneous Operations	VOC 15 lb/day and 300ppmd total carbon (dry basis)	BAAQMD cond # 10844, part 6	P/A	Source test	Y	Y
BAAQMD Regulation 8, Rule 34	Organic Compounds – Solid Waste Disposal Sites (6/15/05)						
8-34-113	Limited Exemption, Inspection and Maintenance						N
8-34-113.1	Emission Minimization Requirement						N
8-34-113.2	Shutdown Time Limitation	EMISSION CONTROL SYSTEM SHUTDOWN TIME < 240 hours/year	BAAQMD 8-34-501.2 and BAAQMD Condition # 10844, Part 7a	P/D	Records	Y	N
8-34-113.3	Record keeping Requirement						N
8-34-301	Landfill Gas Collection and Emission Control System Requirements						N

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
8-34-301.1	Continuous Operation	GAS FLOW Vent all collected gases to a properly operating control system and operate control system continuously	BAAQMD 8-34-501.10 and 508	C	Gas Flow Meter and Recorder (every 15 minutes)	Y	N
8-34-301.2	Collection and Control Systems Leak Limitations	TOTAL ORGANIC COMPOUNDS PLUS METHANE < 1000 ppmv as methane (component leak limit)	BAAQMD 8-34-501.6 and 8-34-503	P/Q	Quarterly Inspection and Records	Y	N
8-34-301.4	Limits for Other Emission Control Systems	NON-METHANE ORGANIC COMPOUNDS 98% removal by weight OR < 120 ppmv dry basis @ 3% O ₂ , expressed as methane	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 10844, Part 6	P/A	Source Tests and Records	Y	N
8-34-412	Compliance Demonstration Tests						N
8-34-413	Performance Test Report						N
8-34-501	Operating Records						N
8-34-501.2	Emission Control System Downtime						N
8-34-501.4	Testing						N
8-34-501.6	Leak Discovery and Repair Records						N
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems						N
8-34-501.11	Records of Key Emission Control System Operating Parameters						N

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
8-34-501.12	Records Retention for 5 Years						N
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing						N
8-34-504	Portable Hydrocarbon Detector						N
8-34-508	Gas Flow Meter						N
8-34-509	Key emission control system operating parameters						N
SIP Regulation 8, Rule 34	Organic Compounds – Solid Waste Disposal Sites (7/1/02)						
8-34-113	Limited Exemption, Inspection and Maintenance						Y
8-34-113.1	Emission Minimization Requirement						Y
8-34-113.2	Shutdown Time Limitation						Y
8-34-113.3	Record keeping Requirement						Y
8-34-301	Landfill Gas Collection and Emission Control System Requirements						Y
8-34-301.1	Continuous Operation	GAS FLOW Vent all collected gases to a properly operating control system and operate control system continuously	BAAQMD 8-34-501.10 and 508	C	Gas Flow Meter and Recorder (every 15 minutes)	Y	Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
8-34-301.2	Collection and Control Systems Leak Limitations	TOTAL ORGANIC COMPOUNDS PLUS METHANE < 1000 ppmv as methane (component leak limit)	BAAQMD 8-34-501.6 and 8-34-503	P/Q	Quarterly Inspection and Records	Y	Y
8-34-301.4	Limits for Other Emission Control Systems	NON-METHANE ORGANIC COMPOUNDS 98% removal by weight OR < 120 ppmv dry basis @ 3% O ₂ , expressed as methane	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 10844, Part 6	P/A	Source Tests and Records	Y	Y
8-34-412	Compliance Demonstration Tests						Y
8-34-413	Performance Test Report						Y
8-34-501	Operating Records						Y
8-34-501.2	Emission Control System Downtime						Y
8-34-501.4	Testing						Y
8-34-501.6	Leak Discovery and Repair Records						Y
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems						Y
8-34-501.11	Records of Key Emission Control System Operating Parameters						Y
8-34-501.12	Records Retention for 5 Years						Y
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing						Y
8-34-504	Portable Hydrocarbon Detector						Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
8-34-508	Gas Flow Meter						Y
8-34-509	Key emission control system operating parameters						Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (03/15/95)						
9-1-301	Limitations on Ground Level Concentrations	SO2 Ground level concentration of 0.5 ppm continuously for 3 consecutive minutes, or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours	N	N	N	N	N
9-1-302	General Emission Limitations	SO2 Shall not exceed 300 ppm (dry)	N	N	N	N	N
SIP Regulation 9 Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (06/08/99)						
9-1-301	Limitations on Ground Level Concentrations	SO2 Ground level concentration of 0.5 ppm continuously for 3 consecutive minutes, or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours	N	N	N	N	Y
9-1-302	General Emission Limitation	SO2 Shall not exceed 300 ppm (dry)	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants, Hydrogen Sulfide (10/6/99)						
9-2-301	Limitation on Hydrogen Sulfide	H2S Property Line ground level limit < 0.06 ppm Averaged over 3 minutes and < 0.03 ppm Averaged over 60 minutes	N	N	N	N	N
BAAQMD Regulation 9, Rule 8	NOx and CO requirements for Stationary Internal Combustion Engines (07/25/07)						
9-8-302	Emission Limits – Spark-Ignited Engines Powered by Waste Derived Fuel Gas						N
9-8-302.1	NOx Emission Limit for Lean Burn Engines	NOx 70 ppmv @ 15% O2, dry	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	N
9-8-302.3	CO Emission Limit	CO 2000 ppm @ 15% O2, dry	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	N
SIP Regulation 9 Rule 8	NOx and CO requirements for Stationary Internal Combustion Engines (12/5/97)						
9-8-302	Emission Limits – Waste Derived Fuel Gas						Y
9-8-302.1	NOx Emission Limit for Lean Burn Engines	NOx 70 ppmv @ 15% O2, dry	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
9-8-302.3	CO Emission Limit for Lean Burn Engines	CO 2000 ppm @ 15% O2, dry	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	Y
40 CFR Part 63 Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions						
63.1	General Applicability of the General Provisions						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited activities and circumvention						Y
63.6(a)	Compliance with standards and maintenance requirements - Applicability						Y
63.6(c)	Compliance dates for existing sources						Y
63.6(f)(2)	Methods for determining compliance						Y
63.6(f)(3)	Finding of compliance						Y
63.6(g)	Use of an alternative nonopacity emission standard						Y
63.6(i)	Compliance extension procedures and criteria						Y
63.6(j)	Presidential compliance exemption						Y
63.10(a)	Recordkeeping and reporting requirements, applicability and general information						Y
63.10(b)(1)	Record retention						Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.10(f)	Administrator waiver of recordkeeping or reporting requirements						Y
63.12	State authority and delegations						Y
63.13	Addresses of air pollution control agencies and EPA Regional Offices						Y
63.14	Incorporation by reference						Y
63.15	Availability of information and confidentiality						Y
40 CFR Part 63, Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/09/11)						
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)(i) ii)	Existing stationary RICE at an area source of HAPs						Y
63.6595	Compliance Schedule to subpart ZZZZ, 40 CFR 63						Y
63.6595(a)(1)	Comply with the applicable emission limitation and operating limitations no later than 10/19/2013 (compliance by 10/19/2013)						Y

IV. Source Specific Applicable Requirements

<p align="center">Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator</p>							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6603(a)	Emission Limitations and Operating Limitations for Existing Stationary RICE located at an area source of HAP emissions (compliance by 10/19/2013)						Y
Table 2d.11	a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first, b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and c) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary. (compliance by 10/19/2013)						Y
63.6605	General Requirements						Y
63.6605(a)	Compliance with the emission limitations and operating limitations in this subpart at all times (compliance by 10/19/2013)						Y
63.6605(b)	Safety and good air pollution control practices for minimizing emissions (compliance by 10/19/2013)						Y
63.6625	Monitoring, Installation, Operation, and Maintenance Requirements (compliance by 10/19/2013)						Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6625(e)	Operate and maintain the stationary RICE according to the manufacturer's emission – related written instructions or maintenance plan (compliance by 10/19/2013)						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. (compliance by 10/19/2013)						Y
63.6625(j)	Option of utilizing an oil analysis program in order to extend the specified oil change requirement (compliance by 10/19/2013)						Y
63.6640	Demonstrate Continuous Compliance with the Emission Limitations and Operating Limitations (compliance by 10/19/2013)						Y
63.6655	Recordkeeping (compliance by 10/19/2013)						Y
63.6655(a)	Recordkeeping with the emission and operating limitations (compliance by 10/19/2013)						Y
63.6660	Recordkeeping (compliance by 10/19/2013)						Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6660(a)	Suitable and readily available for expeditious review (compliance by 10/19/2013)						Y
63.6660(b) and 63.6660(c)	Records must be keep for 5 years (compliance by 10/19/2013)						Y
BAAQMD Condition #10844							
Part 1	Fuel Restrictions (Basis: Offsets and Cumulative Increase)						Y
Part 2	Heat Input Limits (Basis: Offsets and Cumulative Increase)	HEAT INPUT < 200 MMBTU per generator per day and < 72,000 MM BTU per generator per consecutive 12-month period	BAAQMD Condition # 10844, Part 5	C	Gas Flow Meter and Recorder and Records	Y	Y
Part 3	Continuous operating requirement (Basis: Regulation 8-34-301.1)						Y
Part 4	Emission rate Requirements for POC, CO and NOx (Basis: BACT, Offset)						Y
4a	POC	POC 0.3 g/bhp-hr	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	Y
4b	CO	CO 2.5 g/bhp-hr	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	Y

IV. Source Specific Applicable Requirements

Table IV - A Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-14 Engine Generator S-15 Engine Generator							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
4c	NOx	NOx 1.5 g/bhp-hr	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	Y
Part 5	Gas flow meter and recorder requirement (Basis: Offsets and Cumulative Increase)						Y
Part 6	Annual source test requirement (Basis: BACT and Regulations 8-34-301.4, 8-34-412, 9-8-302.1, and 9-8-302.3)						Y
Part 7	Record keeping requirements (Basis: BACT, Offsets, Cumulative Increase, and Regulation 8-34-501)						Y
Part 8	Minimum combustion temperatures requirement (Basis: Regulation 2-5, 8-34-301.4, 8-34-501, and 8-34-507)						Y

IV. Source Specific Applicable Requirements

Table IV - B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-16 Influent Pump #1 – IC Engine S-17 Influent Pump #2 – IC Engine S-18 Influent Pump #3 – IC Engine							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)						
1-107	Combinations of Emissions						N
SIP Regulation 1	General Provisions and Definitions (6/28/99)						
1-107	Combination of Emissions						Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/2007)						
6-1-301	Ringelmann No. 1 Limitation	OPACITY Ringelmann 1.0 for < 3 minutes in any hour	N	N	N	N	N
6-1-305	Visible Particles						
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	N	N	N	N	N
6-1-401	Appearance of Emissions						
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)						
6-301	Ringelmann No. 1 Limitation	OPACITY Ringelmann 1.0 for < 3 minutes in any hour	N	N	N	N	Y
6-305	Visible particles						
6-310	Particulate weight limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	N	N	N	N	Y
6-401	Appearance of emissions						
BAAQMD Regulation 8 Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)						

IV. Source Specific Applicable Requirements

Table IV - B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-16 Influent Pump #1 – IC Engine S-17 Influent Pump #2 – IC Engine S-18 Influent Pump #3 – IC Engine							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
8-2-301	Miscellaneous Operations	VOC 15 lb/day and 300ppmd total carbon (dry basis)	N	N	N	N	N
SIP Regulation 8 Rule 2	Organic Compounds- Miscellaneous Operation (3/22/95)						
8-2-301	Miscellaneous Operations	VOC 15 lb/day and 300ppmd total carbon (dry basis)	N	N	N	N	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (03/15/95)						
9-1-301	Limitations on Ground Level Concentrations	SO2 Ground level concentration of 0.5 ppm continuously for 3 consecutive minutes, or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours	N	N	N	N	N
9-1-302	General Emission Limitation	SO2 Shall not exceed 300 ppm (dry)	BAAQMD Condition # 19978, Part 2	P/Q	Sampling of Reduced Sulfur Compound	Y	N
SIP Regulation 9 Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (06/08/99)						

IV. Source Specific Applicable Requirements

Table IV - B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-16 Influent Pump #1 – IC Engine S-17 Influent Pump #2 – IC Engine S-18 Influent Pump #3 – IC Engine							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
9-1-301	Limitations on Ground Level Concentrations	SO2 Ground level concentration of 0.5 ppm continuously for 3 consecutive minutes, or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours	N	N	N	N	Y
9-1-302	General Emission Limitation	SO2 Shall not exceed 300 ppm (dry)	BAAQMD Condition # 19978, Part 2	P/Q	Sampling of Reduced Sulfur Content	Y	N
BAAQMD Regulation 9 Rule 2	Inorganic Gaseous Pollutants, Hydrogen Sulfide (10/6/99)						
9-2-301	Limitations on Hydrogen Sulfide	H2S Property Line ground level limit < 0.06 ppm Averaged over 3 minutes and < 0.03 ppm Averaged over 60 minutes	N	N	N	N	N
BAAQMD Regulation 9 Rule 8	Inorganic Gaseous Pollutants, NOx and CO from IC engines (7/25/07)						
9-8-303	Emissions Limits – Delayed Compliance, Existing Spark-Ignited Engines, 51 to 250 bhp or Model Year 1996 or Later						N

IV. Source Specific Applicable Requirements

Table IV - B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-16 Influent Pump #1 – IC Engine S-17 Influent Pump #2 – IC Engine S-18 Influent Pump #3 – IC Engine							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
9-8-303.3	Complies with Best Available Control Technology Requirements for Stationary Internal Combustion, Spark-Ignited Engines.	FUTURE EFFECTIVE DATE: 1/1/2016	N	N	N	N	N
9-8-501	Initial Demonstration for Compliance						N
9-8-502	Recordkeeping						N
9-8-503	Quarterly Demonstration for Compliance						N
40 CFR Part 63, Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/09/11)						
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)(i) ii)	Existing stationary RICE at an area source of HAPs						Y
63.6595	Compliance Schedule to subpart ZZZZ, 40 CFR 63						Y
63.6595(a)(1)	Comply with the applicable emission limitation and operating limitations no later than 10/19/2013 (compliance by 10/19/2013)						Y

IV. Source Specific Applicable Requirements

Table IV - B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-16 Influent Pump #1 – IC Engine S-17 Influent Pump #2 – IC Engine S-18 Influent Pump #3 – IC Engine							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6603(a)	Emission Limitations and Operating Limitations for Existing Stationary RICE located at an area source of HAP emissions (compliance by 10/19/2013)						Y
Table 2d.11	a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first, b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and c) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary. (compliance by 10/19/2013)						Y
63.6605	General Requirements						Y
63.6605(a)	Compliance with the emission limitations and operating limitations in this subpart at all times (compliance by 10/19/2013)						Y
63.6605(b)	Safety and good air pollution control practices for minimizing emissions (compliance by 10/19/2013)						Y

IV. Source Specific Applicable Requirements

Table IV - B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-16 Influent Pump #1 – IC Engine S-17 Influent Pump #2 – IC Engine S-18 Influent Pump #3 – IC Engine							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6625	Monitoring, Installation, Operation, and Maintenance Requirements (compliance by 10/19/2013)						Y
63.6625(e)	Operate and maintain the stationary RICE according to the manufacturer’s emission – related written instructions or maintenance plan (compliance by 10/19/2013)						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. (compliance by 10/19/2013)						Y
63.6625(j)	Option of utilizing an oil analysis program in order to extend the specified oil change requirement (compliance by 10/19/2013)						Y
63.6640	Demonstrate Continuous Compliance with the Emission Limitations and Operating Limitations (compliance by 10/19/2013)						Y
63.6655	Recordkeeping (compliance by 10/19/2013)						Y

IV. Source Specific Applicable Requirements

Table IV - B Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-16 Influent Pump #1 – IC Engine S-17 Influent Pump #2 – IC Engine S-18 Influent Pump #3 – IC Engine							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6655(a)	Recordkeeping with the emission and operating limitations (compliance by 10/19/2013)						Y
63.6660	Recordkeeping (compliance by 10/19/2013)						Y
63.6660(a)	Suitable and readily available for expeditious review (compliance by 10/19/2013)						Y
63.6660(b) and 63.6660(c)	Records must be keep for 5 years (compliance by 10/19/2013)						Y
BAAQMD Cond #19978							
Part 1	Visible emissions of particulate matter (Basis: Regulation 6-1)	OPACITY Ringelmann 1.0 or 20% opacity for < 3 minutes in any hour	N	N	N	N	Y
Part 2	Total reduced sulfur limit and monitoring requirement (Basis: Regulation 9-1-302)						Y
Part 3	Submit permit application to District by June 1, 2015 for 9-8-303.3 compliance for adding abatement equipment or replacement equipment. (Basis: Regulation 9-8-303.3)						N

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)						
6-1-303	Ringelmann No. 2 Limitation	OPACITY Ringelmann 2.0 for <3 minutes in any hour	N	N	N	N	N
6-1-305	Visible Particles						N
6-1-310	Particulate Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	N	N	N	N	N
6-1-401	Appearance of Emissions						N
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)						
6-303	Ringelmann No. 2 Limitation	OPACITY Ringelmann 2.0 for <3 minutes in any hour	N	N	N	N	Y
6-305	Visible Particles						Y
6-310	Particulate Weight Limitations	FILTERABLE PARTICULATE 0.15 gr/dscf	N	N	N	N	Y
6-401	Appearance of Emissions						Y
BAAQMD Regulation 9 Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)						

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
9-1-301	Limitations on Ground Level Concentrations of sulfur dioxide	SO2 Ground level concentration of 0.5 ppm continuously for 3 consecutive minutes, or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours	N	N	N	N	N
9-1-302	General Emission Limitation	SO2 Shall not exceed 300 ppm (dry)	N	N	N	N	N
SIP Regulation 9 Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (06/08/99)						
9-1-301	Limitations on Ground Level Concentrations of sulfur dioxide	SO2 Ground level concentration of 0.5 ppm continuously for 3 consecutive minutes, or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours	N	N	N	N	Y
9-1-302	General Emission Limitation	SO2 Shall not exceed 300 ppm (dry)	N	N	N	N	Y
BAAQMD Regulation 9 Rule 8	Inorganic Gaseous Pollutants, NOx and CO from IC engines (7/25/07)						
9-8-331.3	Reliability-related activities	reliability-related activities ≥ 100 hours/yr	BAAQMD 9-8-530 and Condition # 19929, Part 3	P	Records	Y	N

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
9-8-530	Monitoring and recordkeeping requirements					Y	N
40 CFR Part 63 Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions						
63.1	General Applicability of the General Provisions						
63.2	Definitions						
63.3	Units and Abbreviations						
63.4	Prohibited activities and circumvention						
63.6(a)	Compliance with standards and maintenance requirements - Applicability						
63.6(c)	Compliance dates for existing sources						
63.6(f)(2)	Methods for determining compliance						
63.6(f)(3)	Finding of compliance						
63.6(g)	Use of an alternative nonopacity emission standard						
63.6(i)	Compliance extension procedures and criteria						
63.6(j)	Presidential compliance exemption						
63.10(a)	Recordkeeping and reporting requirements, applicability and general information						
63.10(b)(1)	Record retention						
63.10(d)(1)	General reporting requirements						

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.10(f)	Administrator waiver of recordkeeping or reporting requirements						
63.12	State authority and delegations						
63.13	Addresses of air pollution control agencies and EPA Regional Offices						
63.14	Incorporation by reference						
63.15	Availability of information and confidentiality						
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)						
63.6585	Applicability						
63.6585(a)	Applicable to stationary RICE						
63.6585(c)	Applicable to area sources of Haps						
63.6590(a)(1)(i) ii)	Affected source under stationary RICE located at an area source of HAP emissions, constructed before 6/12/06						
63.6595(a)	Comply with applicable emission limitations and operating limitations by 5/3/13. (compliance by 5/3/2013)						

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6595(c)	Comply with applicable notification requirements in 63.6645 and 40 CFR Part 63, subpart A. (Note there are no applicable notification requirements under either of these sections) (compliance by 5/3/2013)						
63.6603(a)	Comply with requirements of Table 2d, Part 4: a. Change oil & filter every 500 hours of operation or annually, whichever comes first. Oil analysis program may be used to extend period. b. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first c. Inspect all hoses and belts every 500 hours or annually, whichever comes first, and replace as necessary. (compliance by 5/3/2013)						
63.6605	General Requirements 1. Must be in compliance with applicable emission limitations and operating limitations 2. Operate engine in a manner consistent with safety and good air pollution control practices to minimize emissions. (compliance by 5/3/2013)						

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6625(e)(3)	Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan. (compliance by 5/3/2013)						
63.6625(f)	Install non-resettable hour meter (if one is not already installed) (compliance by 5/3/2013)						
63.6625(h)	Minimize idling, and minimize startup time to not exceed 30 minutes. (compliance by 5/3/2013)						
63.6640(a)	Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a. (compliance by 5/3/2013)						
63.6640(b)	Report deviations from the requirements of Table 2d. (compliance by 5/3/2013)						
63.6640(e)	Report non-compliance with the any applicable requirement of Table 8. (compliance by 5/3/2013)						
63.6640(f)	Comply with requirements of (f)(1)(i) through (iii) below (compliance by 5/3/2013)						
63.6640(f)(1)(i)	No time limit when engine is used for emergencies (compliance by 5/3/2013)						

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6640(f)(1)(i)	Operation of engine for maintenance checks and readiness testing limited to 100 hours per year (compliance by 5/3/2013)						
63.6640(f)(1)(ii)	Operation of engine for non-emergency and not associated with maintenance checks and readiness testing is limited to 50 hours, which is counted towards the 100 hours per year maximum specified in 63.6640(f)(1)(ii) (compliance by 5/3/2013)						

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6655(a)	Record Keeping (2) Records of occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment. (4) Records of all required maintenance performed on the air pollution control and monitoring equipment. (5)Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (compliance by 5/3/2013)						
63.6655(d)	The owner/operator must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to the given RICE. (compliance by 5/3/2013)						

IV. Source Specific Applicable Requirements

Table IV - C Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-19 EMERGENCY NATURAL GAS FIRED STANDBY GENERATOR							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6655(e)	You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE; (2) An existing stationary RICE (compliance by 5/3/2013)						
63.6660	Instructions for Records (compliance by 5/3/2013)						
BAAQMD Cond #19929							
Part 1	Hours of operation limit on reliability-related activities (Basis: Regulation 9-8-331)	reliability-related activities ≥ 100 hours/yr	BAAQMD 9-8-530 and Condition # 19929, Part 3	P	Records	Y	Y
Part 2	Recording equipment (Basis: Regulation 9-8-530)						Y
Part 3	Record of hours of operation (Basis: Regulation 9-8-530)						Y

IV. Source Specific Applicable Requirements

Table IV - D Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-110 Preliminary Treatment S-120 Primary Treatment S-130 Secondary Treatment S-140 Tertiary Treatment S-150 Disinfection S-161 Solids Dewatering System							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
BAAQMD Regulation 8, Rule 2	Organic Compounds- Miscellaneous Operation (7/20/05)						
8-2-301	Miscellaneous Operations Standards	VOC 15 lb/day and 300ppmd total carbon (dry basis)	N	N	N	N	N
SIP Regulation 8 Rule 2	Organic Compounds- Miscellaneous Operation (3/22/95)						
8-2-301	Miscellaneous Operations Standards	VOC 15 lb/day and 300ppmd total carbon (dry basis)	N	N	N	N	Y

IV. Source Specific Applicable Requirements

Table IV - E Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements S-170 Anaerobic Digesters							
Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
BAAQMD Regulation 8, Rule 2	Organic Compounds-Miscellaneous Operation (7/20/05)						
8-2-301	Miscellaneous Operations Standards	VOC 15 lb/day and 300ppmd total carbon (dry basis)	N	N	N	N	N
SIP Regulation 8 Rule 2	Organic Compounds-Miscellaneous Operation (3/22/95)						
8-2-301	Miscellaneous Operations Standards	VOC 15 lb/day and 300ppmd total carbon (dry basis)	N	N	N	N	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants-Hydrogen Sulfide (10/6/99)						
9-2-301	Limitations of Hydrogen Sulfide	H2S Property Line ground level limit < 0.06 ppm Averaged over 3 minutes and < 0.03 ppm Averaged over 60 minutes	N	N	NA	N	N

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.

B. CUSTOM SCHEDULE OF COMPLIANCE

None.

VI. PERMIT CONDITIONS

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

Condition 10844

For Sources S-14 and S-15, Engine Generators

1. The owner/operator shall fire the Engine Generators (S-14 and S-15) on only landfill gas, digester gas and/or natural gas. (Basis: Offsets and Cumulative Increase)
2. The owner/operator shall not allow the heat input of S-14 and S-15 to exceed 200 million BTUs per day per generator nor 72,000 million BTUs per generator during any consecutive 12-month period. (Basis: Offsets and Cumulative Increase)
3. The owner/operator shall continuously operate S-14 and S-15 when any landfill gas and/or digester gas are/is vented to the engines. (Basis: Regulation 8-34-301.1)
4. The owner/operator shall not allow emission rates from S-14 and S-15 to exceed the following:
 - a. 0.3 gram/bhp-hr for POC,
 - b. 2.5 gram/bhp-hr for CO; and
 - c. 1.5 gram/bhp-hr for NO_x.(Basis: BACT, Offsets)
5. The owner/operator shall record the gas flow rates of landfill gas, digester gas, and natural gas to each of the S-14 and S-15 in order to demonstrate compliance with Part 2. The volume of each fuel source to each engine shall be derived by utilizing the ratio of the total measured volume of each individual fuel to the total measured volume of combined fuels, and multiplying that ratio by the flow of fuel measured to each engine. The hourly records shall be totaled daily and summarized monthly. Monthly records shall be totaled every consecutive 12-month. (Basis: Offsets and Cumulative Increase)
6. In order to demonstrate compliance with Part 4 above and Regulations 8-34-301.4, 9-1-302, 9-8-302.1, and 9-8-302.3, the owner/operator shall conduct and successfully pass a District-approved source test annually on S-14 and S-15. Source tests shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain their approval of the source test procedures at least 14 days in advance of each source test. They 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 of the District within 45 days of the test date. The report shall include the following information:
 - a. landfill gas and digester gas flow rates to S-14 and S-15 (dry basis);
 - b. concentrations (dry basis) of carbon dioxide (CO₂), nitrogen (N₂), oxygen (O₂), methane (CH₄), and non-methane organic compounds (NMOC) in the

VI. Permit Conditions

landfill gas and digester gas; in addition, concentration (dry basis) of hydrogen sulfide in the digester gas;

- c. exhaust gas flow rates from S-14 and S-15 (dry basis);
- d. concentrations (dry basis) of NO_x, CO, NMOC, SO₂ and O₂ in the exhaust gas from S-14 and S-15;
- e. the NMOC destruction efficiency achieved by S-14 and S-15; and
- f. the average air to fuel ratio setting range and exhaust gas oxygen content range, or other proposed key emission control system operating parameters approved by the APCO, for S-14 and S-15 that is required to maintain compliance with part 4 above and Regulation 8-34-301.4.

(Basis: BACT, and Regulations 8-34-301.4, 8-34-412, 9-1-302, 9-8-302.1, and 9-8-302.3)

7. The owner/operator shall maintain the following records:

- a. Records of all start up and shut down dates and times and the reason for any shut downs for S-14 and S-15.
- b. Records of landfill gas, digester gas and natural gas throughputs to S-14 and S-15.
- c. On a monthly basis calculate and record the maximum daily and yearly heat input (BTU) to each engine of S-14 and S-15 based on the gas flow rates and high-heat values of landfill gas, digester gas, and natural gas. Monthly measured high-heat values of landfill gas and digester gas shall be used for the heat input calculation. In accordance with CCR Title 17 Section 95103(a)(8) every reasonable effort will be made to obtain 100 percent capture of the high-heat value of landfill gas and digester gas used for the heat input calculation. However, if greater than 80 percent and less than 100 percent of the fuel analytical data is captured, the mean value for the captured fuel analytical data shall be used to substitute for the missing data.
- d. Records of all compliance demonstration test data.

All records shall be retained on site for a minimum of 5 years and shall be made available to District staff upon request. (Basis: BACT, Offsets, Cumulative Increase, and Regulation 8- 34-501)

8. Following a 30-minute warm up period upon start-up of S-14 and S-15, the owner/operator shall maintain the combustion temperatures in the cylinders at a minimum of 940 degrees F, averaged over any three-hour period. Thermocouples shall be placed in each of the cylinders of S-14 and S-15, and shall accurately indicate the combustion temperatures at all times. A temperature monitor with readout display and continuous recorder shall be installed and maintained on S-14 and S-15. Temperatures

VI. Permit Conditions

will be recorded at 15-minute intervals. Temperature records and/or charts shall be retained for at least five years and made available at all times for District inspection. (Basis: Regulations 2-5, 8-34-301.4, 8-34-501, and 8-34-507)

Condition 19929

S-19 Emergency Natural Gas Fired Standby Generator

REQUIREMENTS FOR ESSENTIAL EMERGENCY ENGINES: An essential emergency engine is one that is used in the service of an essential public service. An essential public service is defined in Reg. 9-8-233 as: a sewage treatment facility, and associated collection system, which is publicly owned and operated; water treatment and delivery operations; public transit; police or fire fighting facility; airport runway lights; or a hospital or other medical emergency facility.

1. Hours of Operation: The owner/operator shall operate the emergency standby engine(s) only to mitigate emergency conditions or for reliability-related activities. Operating while mitigating emergency conditions is unlimited. Operating for reliability-related activities is limited to 100 hours per any calendar year. [Basis: Reg. 9-8-331]

"Emergency Conditions" is defined as any of the following:

- a. Loss of regular natural gas supply.
- b. Failure of regular electric power supply.
- c. Flood mitigation.
- d. Sewage overflow mitigation.
- e. Fire.
- f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.

[Basis: Reg. 9-8-231]

"Reliability-related activities" is defined as any of the following:

- a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
- b. Operation of an emergency standby engine during maintenance of a primary motor.

[Basis: Reg. 9-8-232]

2. The owner/operator shall equip the emergency standby engine(s) with either:
 - a. non-resettable totalizing meter that measures and records the hours of operation for the engine.
 - b. a non-resettable fuel usage meter.

[Basis: Reg. 9-8-530]

VI. Permit Conditions

3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 5 years and shall make the log available for District inspection upon request:
 - a. Hours of operation (total).
 - b. Hours of operation (emergency).
 - c. For each emergency, the nature of the emergency condition.

[Basis: Reg. 9-8-530]

Condition 19978

- S-16 Influent Pump: Digester Gas Engine, Make: Waukesha, Model: NKR 1905, Horsepower Rating: 224 HP.
- S-17 Influent Pump: Digester Gas Engine, Make: Waukesha, Model: NKR 1905, Horsepower Rating: 224 HP.
- S-18 Influent Pump: Digester Gas Engine, Make: Waukesha, Model: NKR 1905, Horsepower Rating: 224 HP.

1. The owner/operator shall not allow air contaminants to be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour that is as dark or darker than Ringlemann 1 or equivalent to 20% opacity. [Regulation 6-1]
2. The owner/operator shall not allow concentrations of total reduced sulfur compounds in the collected digester gas to exceed 1550 ppmv (dry). When digester gas is used as a fuel for S-16, S-17, and S-18, the owner/operator shall monitor the total reduced sulfur compounds in the collected digester gas as a surrogate for monitoring sulfur dioxide in control system's exhaust. In order to demonstrate compliance with this Part, the owner/operator shall measure and record the total reduced sulfur compounds in collected digester gas on a quarterly basis using a Draeger Tube. The samples of digester gas shall be taken from the main gas header, before piping splits to enter each of S-16, S-17, and S-18, and may include natural gas used as fuel for these engines. The owner/operator shall follow the manufacturer's recommended procedures for using the Draeger Tube and interpreting the results. All records shall be retained on site for a minimum of 5 years and shall be made available to District staff upon request. (Basis: Regulation 9-1-302)
3. The owner/operator shall submit a permit application to the District by June 1, 2015 for any abatement equipment or replacement equipment for engines to meet 9-8-303.3 requirements. (Basis: Regulation 9-8-303.3)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been combined in Section IV above.

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-304	Tube Cleaning	Manual of Procedures, Volume I, Evaluation of Visible Emissions; or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling; or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-310.3	Particulate Weight Limitation for Heat Transfer Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-311	Process Weight Rate Based Emissions Limits	Manual of Procedures, Volume IV, ST-15, Particulates Sampling, or Calculate Emissions in Accordance with EPA AP-42 Procedures
BAAQMD 7-303	Limit on Odorous Compounds	Manual of Procedures, Volume IV, ST-1, ST-8, ST-11, ST-16, ST-22, Sampling of Odorous Compounds
BAAQMD 8-2-301	Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Method 25 or 25A.
BAAQMD 8-34-301.2	Collection and Control System Leak Limitations	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.4	Limits for Other Emission Control Systems	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C

VIII. Test Methods

**Table VIII
Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-34-412	Compliance Demonstration Test	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Non-methane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Non-methane Organic Compounds (NMOC) in MSW Landfill Gases
BAAQMD 9-1-301	Limitations on Ground Level Concentrations (SO ₂)	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-1-302	General Emission Limitation (SO ₂)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling
BAAQMD 9-1-304	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-2-301	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-8-301.2	NO _x Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling Limit on Odorous Compounds and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-301.3	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.1	NO _x Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling Limit on Odorous Compounds and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.30	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #10844, Part 4c	NO _x Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #10844, Part 4b	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #10844, Part 4a	POC Limit	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Method 25 or 25A.

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 10844, Part 2	Heat Input Limits	APCO approved gas flow meter and APCO approved calculation procedure described in BAAQMD Condition # 10844, Part 7c
BAAQMD Condition # 10844, Part 6	Engine Source Test	Outlet: Manual of Procedures, Volume IV, ST-17, Stack Gas Velocity and Volumetric Flow Rate; ST-23 Water Vapor; ST-14, Oxygen, Continuous Sampling; ST-13A, Oxides of Nitrogen, Continuous Sampling; ST-6, Carbon Monoxide, Continuous Sampling; Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling; and Manual of Procedures, Volume IV, ST-7, Organic Compounds or EPA Reference Methods 18, 25, 25A, or 25C; Inlet: EPA Reference Method 3C

IX REVISION HISTORY

Initial Issuance Title V Permit	February 24, 2000
Renewal Title V Permit (Application No. 3931)	December 28, 2007
Renewal Title V Permit (Application No. 24582)	May 22, 2013
Administrative Amendments (Application No. 28629) Change to the responsible official and title of contact Updates of District new address Update on Standard Conditions: Section G. Compliance Certification, the last paragraph, with EPA e-mail address USEPA's address	May 24, 2017
Administrative Amendments (Application No. 28927) Change responsible official	November 6, 2017

X. GLOSSARY

ACT

Federal Clean Air Act

BAAQMD

Bay Area Air Quality Management District

Basis

The underlying regulation that gives the District the authority to impose requirements

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.

FE, Federally Enforceable,

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), and also including limitations contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP

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

HAP

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

Major Facility

A facility with potential emissions of regulated air pollutants greater than 100 tons per year, greater than 10 tons per year of any single hazardous air pollutant, and/or greater than 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

X. Glossary

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.

NESHAPS

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

NMHC

Non-methane Hydrocarbons (same as NMOC)

NMOC

Non-methane Organic Compounds (same as NMHC)

NO_x

Oxides of nitrogen

NSR

New Source Review. A federal program for preconstruction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

POC

Precursor Organic Compounds

SIP

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

SO₂

Sulfur dioxide

THC

Total Hydrocarbons includes all NMHC plus methane (same as TOC).

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 includes all NMOC plus methane (same as THC).

X. Glossary

TRMP

Toxic Risk Management Policy

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