Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 749-4900~~(415) 771-6000~~

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

City of Sunnyvale Water Pollution Control Plant
Facility #A0733

Facility Address:
1444 Borregas Ave.
Sunnyvale, CA 94089

Mailing Address:
PO Box 3707
Sunnyvale, CA 94088

Responsible Official	**Facility Contact**
Ramana Chinnakotla, Director	~~Melody Tovar~~Julie Choun
Environmental Services Department	Environmental Services Department
(408) 730-7740	(408) 730-7282~~740~~

Type of Facility: Public-Owned Treatment Works
Primary SIC: 4952
Product: Municipal Wastewater Treatment Facility

BAAQMD Engineering Contact
~~Carol Lee~~Isis Virrueta

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Dr. Philip M. Fine, Executive Officer/Air Pollution Control Officer

TBD
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 12/15/214~~/18/12~~);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 12/~~2~~6/1799);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 12/5/176~~/15/05~~);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 12/~~2~~6/1799);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/5/1721~~/04~~),
~~SIP Regulation 2, Rule 4 - Permits, Emissions Banking~~
~~(as approved by EPA through 12/26/1799);~~
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 12/15/2101~~/06/10~~);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 12/6/174~~/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 _____ and expires on _____. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than _____ and no earlier than _____. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after _____.** If the permit renewal has not been issued by _____, 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

I. Standard Conditions

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

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and 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

I. Standard Conditions

the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent by e-mail to AEO_R9@epa.gov~~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), lean burn, four stroke (Existing after 6/15/97)	Caterpillar, 1995	3516	8.2 MMbtu/hr, 1150 hp
S-15	Engine Generator (landfill gas, digester gas, natural gas), lean burn, four stroke (Existing after 6/15/97)	Caterpillar, 1995	3516	8.2 MMbtu/hr, 1150 hp
~~S16~~	~~Influent pump #1 IC Engine (Digester gas, natural gas)~~	~~Waukesha, installed in 1954~~	~~NKR 1905~~	~~2.52 MMbtu/hr, 224 HP, Displacement 1905 cubic inches~~
~~S-17~~	~~Influent pump #2 IC Engine (Digester gas, natural gas)~~	~~Waukesha, installed in 1954~~	~~NKR 1905~~	~~2.52 MMbtu/hr, 224 HP, Displacement 1905 cubic inches~~
~~S-18~~	~~Influent pump #3 IC Engine (Digester gas, natural gas)~~	~~Waukesha, installed in 1954~~	~~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-26	Emergency Standby Diesel Generator Set	Caterpillar, 2016	C-32	9.9 MMbtu/hr, 1,474 HP
S-27	Emergency Standby Diesel Generator Set	Kohler, 2018	KD62V12	20.87 MMbtu/hr, 2,923 HP
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, 6.37 MMbtu/hr	S-170	~~BAAQMD Regulation 8-2-301~~BAAQMD Regulation 6-1-301	~~None~~None	~~15 lb/day or 300 PPM total carbon on a dry basis~~Visible emissions as dark or darker than Ringelmann No. 1 for more than 3 minutes in any hour
			SIP Regulation 6-301	None	Visible emissions as dark or darker than Ringelmann No. 1 for more than 3 minutes in any hour
			BAAQMD Regulation 8-2-301	None	15 lb/day or 300 PPM total carbon on a dry basis
			BAAQMD Regulation 9-1-302	None	300 PPM SO2 on a dry basis
			BAAQMD Regulation 9-2-301	None	0.06 PPM averaged over three consecutive minutes and 0.03 PPM averaged over 60 consecutive minutes at the fenceline or beyond

II. Equipment List

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-13	Waste Gas Flare, Digester gas, 8.125 MMbtu/hr	S-170	BAAQMD Regulation 6-1-301~~BAAQMD Regulation 8-2-301~~	None~~None~~	Visible emissions as dark or darker than Ringelmann No. 1 for more than 3 minutes in any hour~~15 lb/day or 300 PPM total carbon on a dry basis~~
			SIP Regulation 6-301	None	Visible emissions as dark or darker than Ringelmann No. 1 for more than 3 minutes in any hour
			BAAQMD Regulation 8-2-301	None	15 lb/day or 300 PPM total carbon on a dry basis
			BAAQMD Regulation 9-1-302	None	300 PPM SO2 on a dry basis
			BAAQMD Regulation 9-2-301	None	0.06 PPM averaged over three consecutive minutes and 0.03 PPM averaged over 60 consecutive minutes at the fenceline or beyond

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.

Unpermitted sources are exempt from normal District permits pursuant to an exemption in BAAQMD Regulation 2, Rule 1. They may, however, be specifically described in a Title V permit if they are considered significant sources pursuant to the definition in BAAQMD Regulation 2-6-239.

Portable equipment operating in accordance with the California Air Resources Board (CARB)~~ARB~~ portable equipment registration program and temporary equipment such as sandblasting equipment may be operated at the facility provided that the source is not significant pursuant to BAAQMD Regulation 2-6-239. Otherwise, the significant source would need to be included in the Title V permit.

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 regulations~~requirements~~ are available on the EPA ~~Region 9~~ website. The address is:

https://www.epa.gov/sips-ca/epa-approved-bay-area-air-district-regulations-california-sip

~~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.

III. Generally Applicable Requirements

~~IV. Source Specific Applicable Requirements~~

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 (12/6/21, effective 7/1/22)~~4/18/12~~)	N
SIP Regulation 2, Rule 1	General Requirements (5~~1~~/216/1899)	Y
~~BAAQMD Regulation 2-1-429~~	~~Federal Emissions Statement (12/21/04)~~	~~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~~5/28/~~8~~90)	Y
BAAQMD Regulation 5	Open Burning (11/20/197~~/09/08~~)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (8/1/18~~12/5/07~~)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 6, Rule 6	Particulate Matter – Prohibition of Trackout (8/1/18)	N
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (11/3/210~~3/22/95~~)	N~~Y~~
SIP Regulation 8, Rule 1	Organic Compounds – General Provisions (3/22/95)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (5/4/227~~/20/05~~)	N~~Y~~
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (~~0~~7/~~0~~1/09)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2~~0~~/04)	Y

III. Generally Applicable Requirements

~~IV. Source Specific Applicable Requirements~~

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 8, Rule 4	Organic Ceompounds - General Solvent and Surface Coating Operations (10/16/02~~08/26/03~~)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94~~03/22/95~~)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds-Solvent Cleaning Operation (10/16/02~~08/26/03~~)	Y
BAAQMD Regulation 8, Rule 34	Solid Waste Disposal Sites (6/15/05)	N
SIP Regulation 8, Rule 34	Solid Waste Disposal Sites (7/1/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (~~0~~06/15/05)	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 (~~0~~7/176/02)	N
SIP Regulation 8, Rule 51	Organic Compounds – Adhesive and Sealant Products (~~0~~2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants-Sulfur Dioxide (11/3/213~~/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 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)	N
SIP Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (4/17/97)	Y

III. Generally Applicable Requirements

~~IV. Source Specific Applicable Requirements~~

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 18	Hazardous Pollutants - Reduction of Risk from Air Toxic Emissions at Existing Facilities (6/3/26)	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 (5/19/11)	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/19/11)	N
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
40 CFR Part 63, Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions	Y

III. Generally Applicable Requirements

~~IV. Source Specific Applicable Requirements~~

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
40 CFR Part 63, Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/9/11)	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 regulations are available on the EPA website. The address is: https://www.epa.gov/sips-ca/epa-approved-bay-area-air-district-regulations-california-sip

~~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 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

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

compliance. Operation outside of the listed ranges for pressure drop and b_ag 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 #

Table IV - A
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-14 Engine Generator
S-15 Engine Generator
Landfill Gas, Digester Gas, Natural Gas

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~~Y
1-523	Parametric Monitoring and Recordkeeping Procedures						N
1-523.1	Reporting requirement for periods of in-operation > 24 hours	Periods of ino~~r~~peration for parametric monitors >24 continuous hours	BAAQMD 1-523	P/E/D	Records of occurrence and duration	Y	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/E/D	Records of occurrence and duration	Y	N
1-523.3	Reporting requirement for violations of any applicable limits				Records of occurrence and duration	Y	N

IV. Source-Specific Applicable Requirements
~~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
Landfill Gas, Digester Gas, Natural Gas

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
1-523.4	Records of in-operation, tests, calibrations, adjustments, & maintenance				Records of occurrence and duration	Y	N
1-523.5	Maintenance and calibration				Records of occurrence and duration	Y	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	Periods of Inoperation for Parametric Monitors >24 continuous hours	BAAQMD 1-523	P/E/D	Records of occurrence and duration	Y	Y
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/E/D	Records of occurrence and duration	Y	Y
1-523.3	Reports of Violations				Records of occurrence and duration	Y	Y

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1-523.4	Records of in-operation, tests, calibrations, adjustments, & maintenance				Records of occurrence and duration	Y	Y
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (8/1/18~~12/5/07~~)**						
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						N
6-1-310	~~Particulate Weight Limitation~~Total Suspended Particulate Concentration Limits	FILTERABLE PARTICULATE 0.15 gr/dscf	N	N	N	N	N
6-1-401	Appearance of Emissions						N
SIP Regulation 6	**Particulate Matter and Visible Emissions (~~0~~9/~~0~~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						Y
6-310	Particle Weight Limitation	FILTERABLE PARTICULATE 0.15 gr/dscf	N	N	N	N	~~N~~Y
6-401	Appearance of Emissions						Y
~~**BAAQMD Regulation 8 Rule 2**~~	~~**Organic Compounds - Miscellaneous Operations (5/4/22~~7/20/05~~)**~~						

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
~~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						Y~~N~~
8-34-113.1	Emission Minimization Requirement						~~N~~Y
8-34-113.2	Shutdown Time Limitation	EMISSION CONTROL SYSTEM SHUTDOWN TIME < 240 hours/year, <5 consecutive days	BAAQMD 8-34-501.2 and BAAQMD Condition # 10844, Part 7a	P/D	Records	Y	~~N~~Y
8-34-113.3	Record keeping Requirement						~~N~~Y
8-34-301	Landfill Gas Collection and Emission Control System Requirements						~~N~~Y

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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~~Y
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~~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% O2, 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~~Y
8-34-412	Compliance Demonstration Tests						~~N~~Y
8-34-413	Performance Test Report						~~N~~Y
8-34-501	Operating Records						~~N~~Y
8-34-501.1	Collection System Downtime						Y
8-34-501.2	Emission Control System Downtime						~~N~~Y
8-34-501.4	Testing						~~N~~Y
8-34-501.6	Leak Discovery and Repair Records						~~N~~Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems						~~N~~Y
8-34-501.11	Records of Key Emission Control System Operating Parameters						~~N~~Y
8-34-501.12	Records Retention for 5 Years						~~N~~Y
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing						~~N~~Y
8-34-504	Portable Hydrocarbon Detector						~~N~~Y
8-34-508	Gas Flow Meter						~~N~~Y
8-34-509	Key emission control system operating parameters	Condition 10844, part 8: 940 degrees F averaged over 3 hours	Condition 10844, part ~~8~~6	Temperature monitoring every 15 min	Records)~~2~~	Y	~~N~~Y
~~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~~

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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~~	~~Y~~
~~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% O2, 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~~

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
~~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~~
~~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 (11/3/21~~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~~Y
9-1-302	General Emission Limitations	SO2 Shall not exceed 300 ppm (dry)	BAAQMD Condition # 10844, Part 6~~N~~	P/A~~N~~	Source test~~N~~	Y~~N~~	~~N~~Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
~~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~~
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~~Condition 10844, part 7~~6~~d	~~N~~Annual source test	~~N~~Y	N	N
BAAQMD Regulation 9, Rule 8	**NOx and CO requirements for Stationary Internal Combustion Engines (~~0~~7/25/07)**						

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
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
9-8-302.1	NOx Emission Limit for Lean Burn Engines	NOx 70 ppmv @ 15% O2, dry	~~BAAQMD Condition # 10844, Part 6~~ BAAQMD 9-8-503	P/Q, quarterly portable analyzer monitoring			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
9-8-302.3	CO Emission Limit	CO 2000 ppm @ 15% O2, dry	~~BAAQMD Condition # 10844, Part 6~~ BAAQMD 9-8-503	P/Q, quarterly portable analyzer monitoring			N
9-8-503	Quarterly Demonstration of Compliance	NOx, 70 ppmv @ 15% O2, dry and CO, 2000 ppm @ 15% O2, dry		Q, quarterly portable analyzer monitoring			N
SIP Regulation 9 Rule 8	**NOx and CO requirements for Stationary Internal Combustion Engines (~~412~~/175/97)**						
9-8-302	Emission Limits – Waste Derived Fuel Gas						Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
9-8-302.1	NOx Emission Limit for Lean Burn Engines	NOx 140~~70~~ ppmv @ 15% O2, dry	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	Y
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
63.1 (a)	Applicability: General applicability of NESHAP in this part						Y
63.1 (b)	Applicability determination for stationary sources						Y
63.1 (c)	Applicability after a standard has been set						Y
63.1 (e)	Applicability of permit program before relevant standard is set						Y
63.2	Definitions						Y
63.3	Units and Abbreviations						Y
63.4	Prohibited activities and circumvention						Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6	Compliance with standards and maintenance requirements						Y
63.6(a)	Compliance with standards and maintenance requirements - Applicability						Y
63.6(c)	Compliance dates for existing sources						Y
63.6(f)	Compliance with non-opacity emission standards						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	Recordkeeping and reporting requirements						Y
63.10(a)	~~Recordkeeping and reporting requirements, applicability and general information~~Applicability and general information for recordkeeping and reporting requirements						Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.10(b)(1)	~~Record retention~~Recordkeeping Requirements – Retention timeframes						Y
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)(iii)	Existing stationary RICE at an area source of HAPs						Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
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
63.6603	Emission Limitations and Operating Limitations, and Other Requirements for Existing Stationary RICE located at an area source of HAP emissions						Y
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)~~Compliance with Applicable Requirements in Table 2d and Operating Requirements in Table 2b						Y

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Table 2d.~~1~~13 Non-emergency, non-black start stationary RICE which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis	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, Collection, Operation, and Maintenance Requirements ~~(compliance by 10/19/2013)~~						Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6625(e)(6)	Operate and maintain the existing stationary RICE located at an area source of HAP emissions which combusts landfill or digester gas 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, and Other Requirements ~~(compliance by 10/19/2013)~~						Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6640(a)	Demonstrate continuous compliance with each applicable emission limitation, operating limitation, and other requirements						Y
63.6640(b)	Deviations and reporting of deviations						Y
63.6640(c)	Annual compliance demonstration requirements						Y
63.6645	Notifications						Y
63.6650	Reporting						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 Timeframes ~~(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 ~~kee~~kept~~p~~ for at least 5 years ~~(compliance by 10/19/2013)~~						Y
63.6660(c)	Records must be readily accessible in hard copy or electronic form						Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
Landfill Methane Regulation							
95461	Applicability						N
94563(b)	MSW Landfills Greater Than or Equal to 450,000 Tons of Waste-In-Place						N
95464	Gas Collection and Control System Requirements				95470(b)(3)		N
95464(a)	Design Plan and Installation						N
95464(b)	Gas Collection and Control System Requirements						N
95464(b)(1)	General requirements						N
95464(b)(1)(B)	Leak requirement	500 ppmv as methane	95469(b)(2)	Quarterly leak monitoring	95470(b)(3)		N
95464(b)(3)	Requirements for Gas Control Devices other than Flares						N
95464(b)(3)(A)(1)	Destruction efficiency	3,000 ppmv, dry, @ 15% O2	95464(b)(3)(A)(4)	Annual source test	95470(b)(3)	A	N
95464(e)	Repairs and Temporary Shutdown of Gas Collection System Components						N
95466	Construction Activities						N
95467	Permanent Shutdown and Removal of the Gas Collection and Control System						N

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95468	Alternative Compliance Options						N
95469	Monitoring Requirements						N
95469(b)	Gas Control System Equipment Monitoring	Condition 10844, part 8: 940 degrees F averaged over 3 hours	Condition 10844, part 8	Temperature monitoring every 15 min			N
95470	Recordkeeping and Reporting Requirements						N
95471	Test Methods and Procedures						N
95472	Penalties						N
95473	Implementation, Enforcement, and Related Fees						N
95474	Applicability of Other Rules and Regulations						N
95475	Definitions						N
BAAQMD Condition #10844							
Part 1	Fuel Restrictions (Basis: Offsets and Cumulative Increase)	Fuels restricted to landfill gas, digester gas, and natural gas					Y

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Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
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
	Heat Input Limits (Basis: Offsets and Cumulative Increase)	HEAT INPUT 72,000 MMbtu 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
4c	NOx	NOx 1.5 g/bhp-hr	BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	Y

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Part 5	Gas flow meter and recorder requirement (Basis: Offsets and Cumulative Increase)			C	Gas Flow Meter and Recorder and Records		Y
Part 6~~a~~	Annual source test requirement (Basis: BACT and Regulations 8-2-301, 8-34-301.4, 8-34-412, 9-1-302, 9-8-302.1, ~~and~~ 9-8-302.3, and 9-8-503)						Y
Part 7~~6b~~	Annual source test requirement (Basis: Regulation 9-2-301)		H2S BAAQMD Condition # 10844, Part 6	P/A	Source test	Y	N
Part 8~~7~~	Record keeping requirements (Basis: BACT, Offsets, Cumulative Increase, and Regulation 8-34-501)						Y
Part 9~~8~~	Minimum combustion temperatures requirement (Basis: Regulation 2-5, 8-34-301.4, 8-34-501, and 8-34-507)	>940 F, averaged over any three-hour period	BAAQMD Condition # 10844, Part 8	C	Continuous Tempe-rature Recorder	Y	Y
Part 10	H2S Analysis Contingency for S-14 and S-15			P/A	Source Test	Y	N

IV. Source-Specific Applicable Requirements
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~~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~~
~~Digester gas, natural gas~~

~~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~~Y
~~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~~						~~Y~~

IV. Source-Specific Applicable Requirements
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~~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~~
~~Digester gas, natural gas~~

~~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 Operations~~	~~VOC 15 lb/day and 300 ppmd 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~~

IV. Source-Specific Applicable Requirements
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~~Table IV – B~~
~~Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements~~
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~~S-17 Influent Pump #2 – IC Engine~~
~~S-18 Influent Pump #3 – IC Engine~~
~~Digester gas, natural gas~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Limit~~	~~Monitoring Citation~~	~~Monitoring & Frequency~~	~~Reporting~~	~~R*~~	~~FE~~
~~9-1-302~~	~~General Emission Limitation~~	~~SO2 Shall not exceed 300 ppm (dry) Surrogate limit: no more than 1550 ppm H2S in fuel, 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)~~						
~~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)~~						

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~~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~~
~~Digester gas, natural gas~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Limit~~	~~Monitoring Citation~~	~~Monitoring & Frequency~~	~~Reporting~~	~~R*~~	~~FE~~
~~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~~
~~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~~
~~9-8-302.3~~	~~Emission Limits – Waste Derived Fuel Gas – Lean-Burn Engines~~	~~CO: 2000 ppmv @ 15% O2, dry~~					

IV. Source-Specific Applicable Requirements
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~~Table IV – B~~
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~~S-16 Influent Pump #1 – IC Engine~~
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~~S-18 Influent Pump #3 – IC Engine~~
~~Digester gas, natural gas~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Limit~~	~~Monitoring Citation~~	~~Monitoring & Frequency~~	~~Reporting~~	~~R*~~	~~FE~~
~~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)(iii)~~	~~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~~
~~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~~

IV. Source-Specific Applicable Requirements
~~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~~
~~Digester gas, natural gas~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Limit~~	~~Monitoring Citation~~	~~Monitoring & Frequency~~	~~Reporting~~	~~R*~~	~~FE~~
~~Table 2d.113 Non-emergency, non-black start stationary RICE which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis~~	~~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
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~~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~~
~~Digester gas, natural gas~~

~~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
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~~Table IV – B~~
~~Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements~~
~~S-16 Influent Pump #1 – IC Engine~~
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~~S-18 Influent Pump #3 – IC Engine~~
~~Digester gas, natural gas~~

~~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)~~	~~5~~					~~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
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~~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~~
~~Digester gas, natural gas~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Limit~~	~~Monitoring Citation~~	~~Monitoring & Frequency~~	~~Reporting~~	~~R*~~	~~FE~~
~~BAAQMD Enforcement Agreement~~	~~S-16, S-17, and S18 are subject to an enforcement agreement. See Schedule of Compliance for details~~				~~HOW OFTEN IS REPOR-TING?~~	~~Y~~	~~N~~

IV. Source-Specific Applicable Requirements
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~~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
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~~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)**~~						

IV. Source-Specific Applicable Requirements
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~~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~~
~~9-8-331.3~~	~~Reliability-related activities~~	~~reliability related activities >= 100 hours/yr~~	~~BAAQMD 9-8-530 and Condition # 19929, Part 3~~	~~P~~	~~Records~~	~~Y~~	~~N~~
~~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~~						

IV. Source-Specific Applicable 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(a)~~	~~Recordkeeping and reporting requirements, applicability and general information~~						
~~63.10(b)(1)~~	~~Record retention~~						
~~63.10(d)(1)~~	~~General reporting requirements~~						
~~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)(iii)~~	~~Affected source under stationary RICE located at an area source of HAP emissions, constructed before 6/12/06~~						

IV. Source-Specific Applicable 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~~
~~63.6595(a)~~	~~Comply with applicable emission limitations and operating limitations by 5/3/13. (compliance by 5/3/2013)~~						
~~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)~~						

IV. Source-Specific Applicable 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~~
~~63.6605~~	~~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)~~						
~~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)~~						

IV. Source-Specific Applicable Requirements
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~~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(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)~~						
~~63.6640(f)(1)(ii)~~	~~Operation of engine for maintenance checks and readiness testing limited to 100 hours per year (compliance by 5/3/2013)~~						
~~63.6640(f)(1)(iii)~~	~~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
~~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
~~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
~~IV. Source Specific Applicable Requirements~~

Table IV - B
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-26 EMERGENCY DIESEL FIRED STANDBY GENERATOR
S-27 EMERGENCY DIESEL 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 (8/1/18)**						
6-1-303	Ringelmann No. 2 Limitation						
6-1-303.2	Engines used solely as a standby source of motive power	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
6-1-601	Applicability of Test Methods						N
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**						
6-303	Ringelmann No. 2 Limitation						
6-303.1	Ringelmann No. 2 Limitation for ICE <25 liters displacement	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
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions						Y
BAAQMD Regulation 9 Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (11/3/21)**						

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - B
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-26 EMERGENCY DIESEL FIRED STANDBY GENERATOR
S-27 EMERGENCY DIESEL 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	Y
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Liquid Fuel Sulfur Content <0.5% by weight	N	N	N	N	Y
BAAQMD Regulation 9 Rule 8	**Inorganic Gaseous Pollutants, NOx and CO from IC engines (7/25/07)**						
9-8-110	Exemptions						
9-8-110.5	Exemptions – Emergency Standby Engines						
9-8-330	Emergency Standby Engines, Hours of Operation						
9-8-330.1	Hours of Operation Limit – Emergency Use	Unlimited			Records	Y	N
9-8-330.3	Hours of Operation Limit – Reliability Related Use	Reliability-related activities >= 50 hours/yr	BAAQMD 9-8-530 and Condition # 19929, Part 3	P	Records	Y	N
9-8-530	Emergency Standby and Low Usage Engines, Monitoring and Recordkeeping				Records	Y	N

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - B
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-26 EMERGENCY DIESEL FIRED STANDBY GENERATOR
S-27 EMERGENCY DIESEL FIRED STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
California Code of Regulations Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines (May 19, 2011)**						
93115.1	Purpose						N
93115.2	Applicability						N
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines with >50 bhp						N
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines						N
93115.6	Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards						N
93115.6(a)(1)	At-school and near-school provisions						N
93115.6(a)(3)(A)(1)(c)	Maximum Allowable Annual Hours of Operation for Maintenance and Testing < 50 hrs/yr						N
93115.10	Recordkeeping, Reporting, and Monitoring Requirements						N
93115.10(d)(1)	Non-resettable totalizing meter						N
93115.10(f) (1)	Recordkeeping						N

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - B
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-26 EMERGENCY DIESEL FIRED STANDBY GENERATOR
S-27 EMERGENCY DIESEL FIRED STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
40 CFR Part 63 Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions						Y
40 CFR Part 60 Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines						
60.4200	Am I subject to this subpart?						Y
60.4200(a)(2)(i)	~~Am I subject to this subpart?~~Engines that are not fire pump engines manufactured after 4/1/2006						Y
60.4202	What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?						Y
60.4202(a)(2)	Limits in 40 CFR 1039, Appendix I						Y
60.4205	What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?						Y

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - B
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-26 EMERGENCY DIESEL FIRED STANDBY GENERATOR
S-27 EMERGENCY DIESEL FIRED STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
60.4205(d)	~~What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?~~Limits in 40 CFR 60.4202	NO+NMHC: 6.4 g/kw-hr CO: 3.5 g/kw-hr PM: 0.2 g/kw-hr	None	None	None	N	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(d)	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

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - B
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-26 EMERGENCY DIESEL FIRED STANDBY GENERATOR
S-27 EMERGENCY DIESEL FIRED STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
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(d)						Y
60.4211(f)	Maintenance, testing, and non-emergency operation hours						Y
60.4211(g)(3)	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
60.4214(b)	No notification for emergency engines						Y
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)						
63.6590	What parts of my plant does this subpart cover?						Y

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - B
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-26 EMERGENCY DIESEL FIRED STANDBY GENERATOR
S-27 EMERGENCY DIESEL FIRED STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60						Y
BAAQMD Cond #100072							
Part 1	Operation for Emergency and Reliability-Related Use Only (Basis: Title 17, CCR, Section 93115)						Y
Part 2	Recording Equipment (Basis: Title 17, CCR, Section 93115)						Y
Part 3	Recordkeeping (Basis: Title 17 CCR, Section 93115)						Y
Part 4	At School or Near School Operation (Basis: Title 17, CCR, Section 93115)						Y
BAAQMD Cond #100073							
Part 1	Hours of operation limit on reliability-related activities (Basis: Title 17, CCR, Section 93115)	reliability-related activities >= 50 hours/yr	BAAQMD 9-8-530	P	Records	Y	Y

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - C
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-100 Wastewater Treatment Plant
S-110 Preliminary Treatment
S-120 Primary Treatment

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 (5/4/22)**						
8-2-301	Miscellaneous Operations Standards	Organic compounds as defined by Section 8-2-202~~VOC~~ 15 lb/day and 300 ppmd total carbon (dry basis)	8-2-301	P	Y	Y	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	N	N	N
NPDES Permit	**Order No. R2-2020-0002, NPDES No. CA0037621**	29.5 Million Gallons per Day (MGD) Average Dry Weather Flow, 40 MGD Peak Wet Weather Flow	N	N	N	N	Y
BAAQMD Condition #26488							
Part 1	Effluent Flow Limitations						

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - C
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-100 Wastewater Treatment Plant
S-110 Preliminary Treatment
S-120 Primary Treatment

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
1a	Average Dry Weather Flow Limitations	29.5 MGD Average Dry Weather Flow	BAAQMD Condition #26488, Part 2	P	Records	Y	Y
1b	Peak Wet Weather Flow Limitations	40 MGD Peak Wet Weather Flow	BAAQMD Condition #26488, Part 2	P	Records	Y	Y
Part 2	Flow monitoring			P	Records	Y	Y
~~Part 3~~	~~H2S Monitoring~~						~~N~~
Part 4	Recordkeeping						Y
~~Part 5~~							
BAAQMD Condition #100510							
Part 1	Organic Compound Limitations~~ of VOC~~	Organic compounds as defined by Section 8-2-202~~VOC~~ 15 lb/day and 300 ppmd total carbon (dry basis)	8-2-301	P	Y	Y	Y
Part 2	Monthly VOC Sampling of Vented Gas						Y
Part 3	Sampling Methodology						Y
Part 4	Recordkeeping			E	Y	Y	Y

IV. Source-Specific Applicable Requirements
~~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 (5/4/22~~7/20/05~~)**						
8-2-301	Miscellaneous Operations Standards	Organic compounds as defined by Section 8-2-202~~VOC~~ 15 lb/day and 300 ppmd total carbon (dry basis)	N	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	N	N	N
NPDES Permit	**Order No. R2-2020-0002, NPDES No. CA0037621**	29.5 Million Gallons per Day (MGD) Average Dry Weather Flow, 40 MGD Peak Wet Weather Flow	N	N	N	N	Y
~~SIP Regulation 8 Rule 2~~	**~~Organic Compounds-Miscellaneous Operation (3/22/95)~~**						

IV. Source-Specific Applicable Requirements
~~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
~~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
~~IV. Source Specific Applicable Requirements~~

Table IV - ~~E~~E
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-170 Anaerobic Digesters
A-12 Waste Gas Burner
A-13 Waste Gas Flare

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 (8/1/18)						
6-1-114	Limited Exemption – TSP Emission Limits for Fuel Combustion						
6-1-114.2	Limited Exemption for Gas-fueled control devices						N
6-1-301	Ringelmann No. 1 Limitation	Visible Emissions as dark or darker than Ringelmann No. 1 for more than 3 minutes in any hour	N	E	N	N	N
6-1-310	Total Suspended Particulate Concentration Limitation						
6-1-310.1	TSP Limitation	TSP – 0.15 g/dscf	N	N	N	N	N
6-1-311	Total Suspended Particulate Concentration Limitation						
6-1-311.1	TSP Limitation	For A12: TSP – ~~40~~10.5 lb/hr at full capacity or rate allowed in Table 6-1-311.1	N	N	N	N	N
6-1-311.1	TSP Limitation	For A13: TSP – 12.4 lb/hr at full capacity or rate allowed in Table 6-1-311.1	N	N	N	N	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)						

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - ~~E~~E
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-170 Anaerobic Digesters
A-12 Waste Gas Burner
A-13 Waste Gas Flare

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
6-301	Ringelmann No. 1 Limitation	Visible Emissions as dark or darker than Ringelmann No. 1 for more than 3 minutes in any hour	N	E	N	N	Y
6-310	Particulate Weight Limitations	Filterable Particulate 0.15 gr/dscf	N	N	N	N	Y
~~6-1-311~~							
6-311	Particulate Weight Limitations – General Operations	For A12: TSP – 10.1 lb/hr at full capacity or rate allowed by equation in Section 6-311~~TSP – 40 lb/hr~~	N	N	N	N	Y
6-311	Particulate Weight Limitations – General Operations	For A13: TSP – 11.9 lb/hr at full capacity or rate allowed by equation in Section 6-311	N	N	N	N	Y
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (5/4/22~~7/20/05~~)**						
8-2-301	Miscellaneous Operations Standards	Organic compounds as defined by Section 8-2-202~~VOC~~ 15 lb/day and 300 ppmd total carbon (dry basis)	N	N	N	N	~~N~~Y
~~SIP Regulation 8 Rule 2~~	~~Organic Compounds-Miscellaneous Operation (3/22/95)~~						

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - ~~E~~E
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-170 Anaerobic Digesters
A-12 Waste Gas Burner
A-13 Waste Gas Flare

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
~~8-2-301~~	~~Miscellaneous Operations Standards~~	~~VOC 15 lb/day and 300 ppmd total carbon (dry basis)~~	~~N~~	~~N~~	~~N~~	~~N~~	~~Y~~
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (11/3/21)**						
9-1-301	Limitations on Ground Level Concentrations	SOx Ground Level Concentrations < 0.5 ppm continuously over 3 minutes or 0.25 ppm averaged over 60 minutes, or 0.5 ppm averaged over 24 hours	N	N	N	N	Y
9-1-302	General Emission Limitation	SOx < 300 ppm (dry)	9-1-501	P	M/E	Y	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	9-2-501~~N~~	P~~N~~	~~N~~M/E~~A~~	~~N~~Y	N
BAAQMD Condition #100506							

IV. Source-Specific Applicable Requirements
~~IV. Source Specific Applicable Requirements~~

Table IV - ~~E~~E
Source-specific Applicable Requirements, Applicable Limits & Compliance Monitoring Requirements
S-170 Anaerobic Digesters
A-12 Waste Gas Burner
A-13 Waste Gas Flare

Applicable Requirement	Regulation Title or Description of Requirement	Limit	Monitoring Citation	Monitoring & Frequency	Reporting	R*	FE
Part 1	Proper Combustion of Digester Gas						Y
Part 2	~~Proper Flaring of~~ Digester Gas Emissions						Y
Part 3	~~Monthly Sulfur Sampling of~~ Pressure sensors at Digesters ~~Gas~~		9-1-302	P	M	Y	Y
Part 4	~~Installation of Pressure Monitors~~H2S Monitoring		9-2	E	E	Y	Y
Part 5	H2S Testing Methodologies						Y
~~Part 6~~	~~Annual Source Test for Flares~~		~~8-2, 9-2-301~~	~~E~~	~~E~~	~~Y~~	~~Y~~
Part ~~7~~6	Recordkeeping Requirements					Y	Y
Part 7	Reporting				Y		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 10844
For Sources S-14 and S-15, Engine Generators

The following Permit Condition #10844, as initially adopted within New Source Review Application #11087, and amended within New Source Review Application #18331, is further amended as follows for S-14 and S-15 under New Source Review Application #28138, submitted by City of Sunnyvale Water Pollution Control, Plant #733 (Site #A0733), and Application #29006, Title V renewal.

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~~ The owner/operator shall not allow the heat input to exceed 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: Regulations 8-34-301.1, 9-2-301)

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 NOx.

   (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 ~~8-2-301,~~ 8-34-301.4, 9-1-302, 9-8-302.1, ~~and~~ 9-8-302.3 and 9-8-503, 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

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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 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 NOx, CO, NMOC, SO2, ~~and~~ O2, and CH4 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.

At least once per calendar quarter in which an engine operates and a source test is not performed, the owner/operator shall use a District-approved portable analyzer to take NOx and CO emission readings to verify compliance with the applicable emission limits in Sections 9-8-301 through 305. All readings shall be taken with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations. NOx emission readings taken pursuant to this section shall be averaged over a 15 minute period.

(Basis: BACT, and Regulations ~~8-2-301,~~ 8-34-301.4, 8-34-412, 9-1-302, 9-8-302.1, ~~and~~ 9-8-302.3, and 9-8-503)

*7~~6b~~. In order to demonstrate compliance with Regulation 9-2-301~~,~~, 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

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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 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 ~~NOx, CO, NMOC, SO2, O2, CH4, and~~ H2S in the exhaust gas from S-14 and S-15;~~e. the NMOC destruction efficiency achieved by S-14 and S-15; and~~
~~e~~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~~.

~~At least once per calendar quarter in which an engine operates and a source test is not performed, the owner/operator shall use a District-approved portable analyzer to take NOx and CO emission readings to verify compliance with the applicable emission limits in Sections 9-8-301 through 305. All readings shall be taken with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations. NOx emission readings taken pursuant to this section shall be averaged over a 15 minute period.~~

(Basis: BACT, and Regulations ~~8-2-301, 8-34-301.4, 8-34-412, 9-1-302, 9-8-302.1, and 9-8-302.3, and 9-8-5039~~-2-301)

~~7~~8. 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.

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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)

9~~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 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)

9~~1~~10*. If the results of the annual source test show that the concentration of H2S in the exhaust gas from S-14 or S-15, Engines, is over 0.03 ppm, the owner/operator shall submit an application to the District requesting an H2S analysis. The application shall include mass emission of H2S/hr and a complete HRA form. (Basis: Regulations 2-6-501, 9-2-301)

~~**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.~~

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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]~~

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.~~

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~~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)~~

~~an engine operates and~~ ~~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)~~

Condition 100072

S-26 Emergency Standby Diesel Generator Set (Location #1), Make: Caterpillar, Model: C-32, Horsepower Rating: 1,474 HP
S-27 Emergency Standby Diesel Generator Set, Make: Kohler, Model: KD62V12, Horsepower Rating: 2,923 HP

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

2. 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

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measures the hours of operation for the engine is installed, operated and properly maintained.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

3. 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.

   i. Hours of operation for reliability-related activities (maintenance and testing).
   ii. Hours of operation for emission testing to show compliance with emission limits.
   iii. Hours of operation (emergency).
   iv. For each emergency, the nature of the emergency condition.
   v. Fuel usage for each engine(s).

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

4. 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:

   i. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   ii. 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: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition 100073

S-26 Emergency Standby Diesel Generator Set (Location #1), Make: Caterpillar, Model: C-32, Horsepower Rating: 1,474 HP

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S-27 Emergency Standby Diesel Generator Set, Make: Kohler, Model: KD62V12, Horsepower Rating: 2,923 HP

The owner/operator shall not exceed the following limits per year per engine for reliability-related activities:

- S-26 – 50 Hours of Diesel Fuel
- S-27 – 50 Hours of Diesel Fuel

[Basis: Cumulative Increase, Regulation 2-5; Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition #26488

S-100, Wastewater Treatment Plant, S-110, Preliminary Treatment and S-120, Primary Treatment

1. The owner/operator of the municipal wastewater treatment plant, S-100, shall not exceed the following design capacities:

   a. Total average dry weather effluent flow of 29.5 million gallons per day on a calendar 3-month average during dry weather periods; and,
   b. Peak wet weather effluent flow of 40 million gallons per day, on a calendar month average during wet weather periods.

   For the purposes of this part, "wet weather" is defined as the dates from October 1 to April 30. To determine compliance with this part, the owner/operator shall measure flow from Sunnyvale Monitoring Location EFF-001. [Basis: Cumulative Increase]

2. To demonstrate compliance with Part 1 of this condition, the owner/operator shall record the following:

   a. Daily and monthly records of the quantity of effluent processed at this facility; and,
   b. Consecutive 12-month period quantity of effluent processed at this facility by totaling the monthly records of Part 2(a) of this condition.

[Basis: Regulation 2-1-403]

~~3.~~ Deleted Application 29006.~~The owner/operator shall monitor the H2S content of the vent gas at the inlet of each ventilation fan serving the preliminary treatment, S-110, and the primary treatment, S-120, at least once every calendar week for a duration of 3 consecutive months. The owner/operator shall begin monitoring no later than 30 days after 100 percent of the sewage is sent to the new preliminary treatment, S-110, and the~~

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~~new primary treatment, S-120; and the existing preliminary treatment and existing primary treatment have stopped accepting sewage and have been permanently disconnected from the municipal wastewater treatment plant, S-100. After the completion of 3 consecutive months of monitoring, the owner/operator shall submit the results to the District to determine compliance with Regulation 9-2. [Basis: Regulation 9-2]~~

3.

~~The owner/operator shall monitor the concentration of H2S at the inlet of each ventilation fan using Draeger tubes or other District approved method. [Basis: Regulation 2-1-403]~~

~~3.~~4. The owner/operator shall maintain the following records:

a. Daily and monthly records of the quantity of effluent processed at this facility as measured at Sunnyvale Monitoring Location EFF-001;
b. Consecutive 12-month period quantity of effluent processed at this facility as measured at Sunnyvale Monitoring Location EFF-001; and,
c. ~~H2S content volumetric concentration measurements.~~

All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District regulation. [Basis: Recordkeeping]

Condition 100510
S-110, Preliminary Treatment and S-120, Primary Treatment

1. The owner/operator shall ensure that the ~~POC~~ organic compounds as defined in Regulation 8-2-202 ~~emissions~~ from S-110 and S-120 do not exceed 15 lbs/day and/or 300 ppm total carbon on a dry basis. (Basis: Regulation 8-2-301)

2. To demonstrate compliance with Part 1 of this condition, the owner/operator shall monitor and record the POC ~~content~~ concentration of the vented air from S-110 and S-120 as total non-methane/non-ethane hydrocarbon (NMNEHC) with a portable flame ionization detector (FID), or other District approved instrument at a frequency of at least once every calendar month.

   A POC measurement by FID exceeding the limits ~~as per~~stated in Part 1 of this condition shall not be deemed a violation but shall trigger a requirement to test a sample from the outlet using EPA Method 18 or District approved equivalent method to demonstrate compliance. The owner/operator shall ensure that the detection limit of the testing method chosen is comparable to the results of the FID and the limit as per Part 1 of this

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condition. The sample for the confirmation test shall be collected on the same day an exceedance is measured. The owner/operator shall follow proper sample collection methodology for the laboratory method chosen, including but not limited to; proper sample media, and hold times. The owner/operator shall obtain the results of the test within two weeks of gathering the sample. If the results of the test show non-compliance, the owner/operator shall report the results to the Compliance and Enforcement Division of the Air District within 14 days.

(Basis: Cumulative Increase, Regulation 8-2-301)

3. The owner/operator shall maintain records of the monthly POC concentration measurements. Records shall be retained onsite for five years from the date of entry and made available for inspection by District staff upon request. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulation. (Basis: Recordkeeping)

Condition 100506
S-170 Anaerobic Digestors, A-12, Waste Gas Burner, A-13, Waste Gas Flare

1. The owner/operator shall ensure that digester gas produced by S-170 is combusted at all times by the following properly operating and maintained combustion devices: S-14 and S-15, Digester Gas/Landfill Gas/Natural Gas Fired Engine Generator Sets, and A-12, Waste Gas Burner, and A-13, Digester Gas Waste Flare. (Basis: Regulations: 1-301, 8-2-301)

2. If detected and known, the occurrence, duration and cause of all emissions of digester gas shall be recorded. The owner/operator shall perform and record the results of a monthly visual inspection of each digester tank.

(Basis: Cumulative Increase, Regulation 2-6-503, 9-2-301)

3. The owner/operator shall ~~install~~ maintain pressure sensors at each digester unit. ~~The owner/operator shall install the pressure sensors at each digester unit within six months of issuance of the Title V renewal.~~ The owner/operator shall submit the pressure setting and flow rate of the pressure/vacuum valves to the Engineering Division of the District within six months of issuance of the Title V renewal. The owner/operator shall use the pressure sensor data to monitor and record all instances and duration of over-pressurization of the digester unit. The owner/operator shall perform an inspection of the pressure/vacuum valve in all instances of over-pressurization to confirm digester gas release. The owner/operator shall record the sulfur content of the digester gas on any day that the pressure/vacuum valve vents. Within 10 days of any over-pressurization event, the owner-operator shall report the duration of the event and the sulfur

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content of the digester gas to the District's Engineering and Compliance and Enforcement Divisions. (Basis: Regulations 2-6-503, 9-2)

4. Within one month of issuance of the Title V renewal, the owner/operator will monitor and record the H2S concentration of the digester gas. (Basis: Regulations 2-6-503, 9-2)

5. The owner/operator shall conduct the monitoring requirements of Part~~s~~ 3 and 4 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 H2S sensor, Part No. 680910, or equivalent, demonstrating an H2S level up to 400 ppmv shall be used. An H2S measurement by Draeger Tube exceeding 400 ppmv shall trigger a requirement to use either methods of Parts 5(b), (c) or (d) of this condition.
   b. Portable Instrument Method: A Draeger PAC-III (or equivalent) portable meter with an H2S sensor capable of measuring up to 1,000 ppmv H2S. In the event that H2S levels exceed 1,000 ppmv, the owner/operator shall ~~commence to~~ perform either a Draeger Tube Test using the method stated in ~~of~~ Part 5(c) of this condition or a source test using the method stated ~~in~~in Part 5(d) of this condition.
   c. Draeger Tube Test Method: A Draeger Gas Detector Tube, Part No. CH29101, or equivalent, demonstrating an H2S level up to 2,000 ppmv shall be used. In the event that H2S levels exceed 2,000 ppmv, the owner/operator shall commence to perform a source test using the method of Part 5(d) of this condition.
   d. 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: Regulation 1-441)

6. The owner/operator shall record and maintain the following records in a District approved log. Records shall be maintained for at least ~~two~~ five years and shall be made available for District inspection upon request:
   a. Daily amount of digester gas produced (cubic feet);
   b. Records of instances and duration of over-pressurization of the digesters on an event basis; ~~and~~
   c. Digester gas sulfur content measurements (ppmv);
   d. Monthly records of hours of operation for each of A12 and A13, flares.

   (Basis: Regulations 1-441, 2-1-403)

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7. Within one year of issuance of the renewal of the Title V permit, the owner/operator shall submit the results of the H2S monitoring of the digester gas and instances and duration of over-pressurization to the Engineering Division of the District.
(Basis: Regulations 1-441, 2-1-403)

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-1B, ST-8, ST-11, ST-12, 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 9-8-302.3~~0~~	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
CARB Landfill Methane Regulation		
95464(b)(1)(B)	Leak requirement	95471(a): Hydrocarbon Detector Specifications

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
95471(f)(1)	Enclosed combustors	Methods in 40 CFR, Part 60, Appendix A, as last amended 65 Fed.Reg. 61744 (October 17, 2000) EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions By Gas Chromatography (65 Fed.Reg. at 62007); EPA Reference Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon (65 Fed.Reg. at 62044); EPA Reference Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer (65 Fed.Reg. at 62062); or EPA Reference Method 25C, Determination of Nonmethane Organic Compounds in Landfill Gases (65 Fed.Reg. at 62066)
BAAQMD Condition #10844, Part 4c	NOx 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.
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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. PERMIT SHIELD

A. Non-applicable Requirements

None.

B. Subsumed Requirements

None.

~~I~~X. REVISION HISTORY

Initial Issuance Title V Permit	February 24, 2000
Renewal Title V Permit (Application No. 3931) Title V Renewal	December 28, 2007
Renewal Title V Permit (Application No. 24582) Title V Renewal	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
Renewal Title V Permit (Application No. 29006) Title V Renewal	November 21, 2017
Administrative Amendments (Application No. 29352) Change responsible official	July 12, 2018
Renewal Title V Permit (Application No. 29006)	TBD 2026

XI. GLOSSARY

A
Annual frequency of monitoring

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

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

C
Continuous monitoring

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 Regulation~~ule~~ 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Regulation~~ule~~ 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered

D
Daily frequency of monitoring

District
The Bay Area Air Quality Management District

E
Event frequency of monitoring

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.

H_2S
Hydrogen Sulfide

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.

M
Monthly frequency of monitoring

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.

NA
Not Applicable

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

NMHC
Non-methane Hydrocarbons (same as NMOC)

NMOC
Non-methane Organic Compounds (same as NMHC)

NOx
Oxides of nitrogen

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.)

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

P
Periodic monitoring

POC
Precursor Organic Compounds

PM
Total Particulate Matter

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

Q
Quarterly frequency of monitoring

R*
Recordkeeping-

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).

TRMP
Toxic Risk Management Policy

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	gram~~s~~
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

Symbols:

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