Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 749-5000

Final

MAJOR FACILITY REVIEW PERMIT

Issued to:

City of Santa Rosa Wastewater Treatment

Facility #A1403

Facility Address:
4300 Llano Road
Santa Rosa CA 95407

Mailing Address:
4300 Llano Road
Santa Rosa CA 95407

Responsible Official	**Facility Contact**
Jennifer Burke	Heather Johnson
Director of Santa Rosa Water	Environmental Services Officer
(707) 543-3359	(707) 543-3472

Type of Facility: Municipal Wastewater Treatment Facility (Publicly Owned Treatment Works)
Primary SIC: 4952
Product: Treated Municipal Wastewater

BAAQMD Engineering Division Contact
Mark Kiffe

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Pamela Leong

Digitally signed by Pamela Leong
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Pamela J. Leong, Director of Engineering Division

November 20, 2023
Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/4/11);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 4/18/12);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 01/06/10);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); and
SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)

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

1. This Major Facility Review Permit was issued on May 20, 2013 and expires on May 19, 2018. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than November 19, 2017 and no earlier than May 19, 2017. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after May 19, 2018**. If the permit renewal has not been issued by May 19, 2018, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers 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)

I. Standard Conditions

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

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

F. Monitoring Reports

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

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

(Regulation 2-6-502, 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 to June 30th. The certification shall be submitted by July 31st of each year. The certification must list each

I. Standard Conditions

applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

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

II. EQUIPMENT LIST

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-3	Compost Facility, 31000 sq ft	N/A	Custom	31,000 sq ft
S-4	Stockpiles/Finished Compost & Yard Waste	N/A	Custom	36,500 tons
S-17	Reclaimed Water Pond C, 216 MM Gal Cap	N/A	Custom	216 MM gal capacity
S-18	Reclaimed Water Pond D, 358 MM Gal Cap	N/A	Custom	358 MM gal capacity
S-29	Internal Combustion 4-stroke lean-burn engine #1 (digester gas, natural gas)	Waukesha	L7042G0	1160 HP
S-31	Internal Combustion 4-stroke lean-burn engine #3 (digester gas, natural gas)	Waukesha	L7042G0	1160 HP
S-33	Emergency Standby Generator #1, Diesel Fired	Caterpillar	3516	2836 HP, 2000 KW
S-34	Emergency Standby Generator #2, Diesel Fired	Caterpillar	3516	2836 HP, 2000 KW
S-35	Internal Combustion 4-stroke lean burn engine #4 (digester gas, natural gas)	Waukesha	L7042GL	1160 HP, 800 KW
S-100	Municipal Wastewater Treatment Plant	Custom	N/A	21.3 MM gal/day calendar month average, dry weather 42 MM gal/day, calendar month average, wet weather
S-110	Preliminary Treatment; Aeration + Settling + Flotation	Custom	Custom	42 MM gal/day
S-120	Primary Treatment; Sedimentation + Flotation	Custom	Custom	42 MM gal/day
S-130	Flow Equalization; 2 Tanks, 6.4 MM gal each	Custom	Custom	42 MM gal/day
S-140	Secondary Treatment, 2 Equalization Basins, 4 Aeration Basins	Custom	Custom	42 MM gal/day
S-150	Secondary Clarifiers; 5 Clarifiers	Custom	Custom	42 MM gal/day

II. Equipment List (continued)

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-160	Tertiary Treatment, 14 Filter Cells	Custom	Custom	42 MM gal/day
S-170	Disinfection, UV Light Treatment	Custom	Custom	42 MM gal/day
S-180	Sludge Handling Processes, 4 Belt Filter Presses	Custom	Custom	42 MM gal/day
S-190	Anaerobic Digesters; 4 Digesters	Custom	Custom	42 MM gal/day
S-200	Internal combustion engine #1, 4-stroke lean-burn (digester gas, natural gas)	Cummins	QSK60G	1531 HP
S-201	Internal combustion engine #2, 4-stroke lean-burn (digester gas, natural gas)	Cummins	QSK60G	1531 HP
S-202	Internal combustion engine #3, 4-stroke lean burn (digester gas, natural gas)	Cummins	QSK60G	1531 HP
S-203	Internal combustion engine #4, 4-stroke lean-burn (digester gas, natural gas)	Cummins	QSK60G	1531 HP

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-1	Biofilter 50,000 sq. ft	S-3 and S-4	BAAQMD Regulation. 7-300	None Listed	90%
A-2	Cummins Passive Particulate Filter	S-40	BAAQMD Condition #23495 40 CFR 60.4214(c)	None listed	90%
A-35	Digester Gas Flare	S-190	BAAQMD Regulation. 1-301	None Listed	N/A
A-200	Iron Sponge/water removal	S-190	None	None listed	95% of

II. Equipment List (continued)

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
					hydrogen sulfide
A-201	Activated carbon/particulate removal	A-200	None	None listed	99.0% of siloxanes, 99.9% of hydrogen sulfide, and 99.9% of non-methane hydrocarbons

Table II C- Exempt Equipment

Each of the following devices is exempt from major facility review permitting pursuant to the requirements of BAAQMD Regulation 2, Rule 6, "Major Facility Review". Registered portable and non-road engines are exempt from BAAQMD Regulation 2, Rule 6 pursuant to BAAQMD Regulation 2-6-113 and 2-6-114, respectively. Equipment that is exempt from BAAQMD permitting requirements does not need to be included in this permit unless the equipment is a significant source, as defined in BAAQMD, Regulation 2-6-239. Any source that must be included in this permit because it is a significant source will be listed in a separate table

S-#	Description	Make or Type	Model	Capacity
S-37	Diesel Engine Pump, portable	Deutz	F4L912	51 HP
S-38	Diesel Engine Pump, portable	Deutz	F4L912	51 HP
S-40	Portable Diesel Powered Compost Mixer	Cummins	QSB67	178 HP

Table II D- Significant Sources

The following source is exempt from the requirement to obtain an authority to construct and permit to operate, but is defined as a significant source pursuant to BAAQMD Regulation 2-6-239.

S-#	Description	Make or Type	Model	Capacity

II. Equipment List (continued)

Table II D- Significant Sources

The following source is exempt from the requirement to obtain an authority to construct and permit to operate, but is defined as a significant source pursuant to BAAQMD Regulation 2-6-239.

S-#	Description	Make or Type	Model	Capacity
S-28	Hot water Boilers (QTY: 2) (natural gas only)	Cleaver Brooks	CB-125	8.4 MM Btu/hr each

III. GENERAL APPLICABLE REQUIREMENTS

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

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

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

The entire text of the SIP requirements can be viewed on the EPA Region 9 website. The address is:
http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	Permits - General Requirements (4/18/12)	N
SIP Regulation 2, Rule 1	Permits - General Requirements (1/26/99)	Y
BAAQMD 2-1-429	Permits - Federal Emissions Statement (12/21/04)	N
SIP Regulation 2-1-429	Permits - Federal Emissions Statement (4/3/95)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/6/90)	Y
BAAQMD Regulation 5	Open Burning (7/09/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements(12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/1/09)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (07/01/09)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (01/02/04)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds-General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (06/01/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds-Solvent Cleaning Operation (12/20/95)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants-Hydrogen Sulfide	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
	(3/17/82)	
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Code of Regulations, Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Code of Regulations, Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (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

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of the SIP requirements are posted 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.

Table IV – A
Source-specific Applicable Requirements
S-3 COMPOST BAY AND S-4 STOCKPILES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations Standards	N	
SIP Regulation 8 Rule 2	**Organic Compounds - Miscellaneous Operations (3/22/95)**		

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-3 COMPOST BAY AND S-4 STOCKPILES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #12848			
Part 1	Ringelmann limit (Basis: BACT, 1-301)	Y	
Part 2	Throughput limit (Basis: Cumulative Increase)	Y	
Part 3	Minimize Particulate Emissions (Basis: 6-301)	Y	
Part 4	Minimum processing time/odor prevention (Basis: Regulation 7)	N	
Part 5	Odor Limitation (Basis: 7-301)	N	
Part 6	Daily Record Keeping of usage (Basis: Cumulative Increase)	Y	

Table IV – B
Source-specific Applicable Requirements
S-17, S-18 RECLAIMED WATER PONDS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	N	
SIP Regulation 8, Rule 2	**Organic Compounds - Miscellaneous Operations (3/22/95)**		
8-2-301	Miscellaneous Operations	Y	

Table IV – C
Source-specific Applicable Requirements
S-29, S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/5/07)**		

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-29, S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate concentration corrected to 6% oxygen, dry basis	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate concentration corrected to 6% oxygen, dry basis	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations Standards	N	
SIP Regulation 8 Rule 2	**Organic Compounds – Miscellaneous Operations (3/22/95)**		
8-2-301	Miscellaneous Operation Standards	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitation	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants, Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitation on Hydrogen Sulfide	N	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-29, S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9 Rule 8	**Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)**		
9-8-301	Emission Limits – Fossil Derived Fuel Gas	N	
9-8-301.2	NOx Emission Limit for Lean Burn Engines	N	
9-8-301.3	CO Emission Limit for Lean Burn Engines	N	
9-8-302	Emission Limits – Waste Derived Fuel Gas	N	
9-8-302.1	NOx Emission Limit for Lean Burn Engines	N	
9-8-302.3	CO Emission Limit for Lean Burn Engines	N	
9-8-502	Recordkeeping	N	
9-8-502.3	Recordkeeping for Compliance Demonstration	N	
9-8-503	Quarterly Demonstration of Compliance	N	
SIP Regulation 9 Rule 8	**Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)**		
9-8-301	Emission Limits - Fossil Derived Fuel Gas	Y	
9-8-301.2	NOx Emission Limit for Lean Burn Engines	Y	
9-8-301.3	CO Emission Limit for Lean Burn Engines	Y	
9-8-302	Emission Limits - Waste Derived Fuel Gas	Y	
9-8-302.1	NOx Emission Limit for Lean Burn Engines	Y	
9-8-302.3	CO Emission Limit for Lean Burn Engines	Y	
40 CFR Part 63 Subpart A	**National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions**		
63.1	General Applicability of the General Provisions	Y	
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.6(a)	Compliance with standards and maintenance requirements - Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(3)	Finding of compliance	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-29, S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance extension procedures and criteria	Y	
63.6(j)	Presidential compliance exemption	Y	
63.10(a)	Recordkeeping and reporting requirements, applicability and general information	Y	
63.10(b)(1)	Record retention	Y	
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 63 Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**		
63.6585	Applicability	Y	
63.6585(a)	Applicable to Stationary RICE	Y	
63.6585(c)	Applicable to Area Source of HAPs	Y	
63.6590	Subject to subpart ZZZZ	Y	
63.6590(a)(1)(iii)	Existing stationary RICE at an area source of HAPs	Y	
63.6595	Compliance Schedule to subpart ZZZZ, 40 CFR 63	Y	
63.6595(a)(1)	Comply with the applicable emission limitation and operating limitations no later than May 3, 2013	Y	10/19/2013
63.6603(a)	Emission Limitations and Operating Limitations for Existing Stationary RICE located at an area source of HAP emissions	Y	10/19/2013
Table 2b.2	Compliance with operation Limits approved by the Administrator	Y	
Table 2d.8	a. Limit concentration of CO to 47 ppmvd at 15% O_2, or b. Reduce CO emissions by 93 percent or more	Y	10/19/2013
63.6605	General Requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-29, S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6605(a)	Compliance with the emission limitations and operating limitations in this subpart at all times	Y	
63.6605(b)	Safety and good air pollution control practices for minimizing emissions	Y	
63.6612	Initial Performance Test or Other Initial Compliance Demonstrations	Y	4/19/2014
63.6615	Subsequent Performance Tests	Y	4/19/2015
Table 3.4	Conduct subsequent source test every 8760 hours or 3 yr, whichever comes first	Y	
63.6620	Performance Tests and Other Procedures	Y	
Table 4.1	Reduce CO Emission. Must measure the O_2 and CO at the inlet and outlet of the control device using Portable CO and O_2 analyzer		
63.6625	Monitoring, Installation, Operation, and Maintenance Requirements	Y	
63.6625(c)	Monitor and record fuel usage daily with separate fuel meters to measure volumetric flow rate of each fuel; Operate RICE in a manner which reasonably minimizes HAP emissions	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.	Y	
63.6630, Table 5	Demonstrate Initial Compliance with Emission Limitations and Operating Limitations	Y	
63.6635	Monitor and Collect Data to Demonstrate Continuous Compliance	Y	
63.6640	Demonstrate Continuous Compliance with the Emission Limitations and Operating Limitations	Y	
63.6645	Notifications Requirements	Y	
63.6645(a)(2)	Submit notification in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply	Y	
63.6650	Compliance Reports	Y	
Table 7.1	Compliance Reports for existing 4SLB stationary RICE	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-29, S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	>500HP		
63.6655	Recordkeeping	Y	
63.6655(a)	Recordkeeping with the emission and operating limitations	Y	
63.6660	Recordkeeping	Y	
63.6660(a)	Suitable and readily available for expeditious review	Y	
63.6660(b) and 63.6660(c)	Records must be keep for 5 years	Y	
BAAQMD Condition #18867			
Part 1	NOx Limit (Basis: Regulation 9-8-301.2, 302.1)	N	
Part 2	CO Limit (Basis: Regulation 9-8-301.3, 302.1)	Y	
Part 3	Flowmeters Required (Basis: 1-441, Cumulative Increase)	Y	
Part 4	Periodic Monitoring for NOx, CO (Basis: Regulation 2-6-409.2)	Y	
Part 5	Records (Basis: Regulation 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

Table IV-D
Source-specific Applicable Requirements
S-33 STANDBY ENGINE/GENERATOR #1, DIESEL-FIRED, 2000 KW
S-34 STANDBY ENGINE/GENERATOR #2, DIESEL-FIRED, 2000 KW

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements(12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (7/20/05)**		
8-2-301	Miscellaneous Operations Standards	N	
SIP Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (3/22/95)**		
8-2-301	Miscellaneous Operations Standards	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		

IV. Source-Specific Applicable Requirements

Table IV-D
Source-specific Applicable Requirements
S-33 STANDBY ENGINE/GENERATOR #1, DIESEL-FIRED, 2000 KW
S-34 STANDBY ENGINE/GENERATOR #2, DIESEL-FIRED, 2000 KW

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)**		
9-8-110.5	Exemption from 9-8 Standards, Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency Standby Engines; Monitoring and Recordkeeping	N	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)**		
9-8-110.2	Exemption from 9-8 Standards, fired exclusively with liquid fuels	Y	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	CARB Diesel Fuel	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3)(A)(1)	General Requirements	N	
93115.6(b)(3)(A)(1)(b)	Operating for maintenance and testing limited to 20 hrs/year when PM emitted at a rate $\geq$ 0.40 g/bhp-hr, except as provided in 93115.6(b)(3)(A)(2), excluding operating for emergency use and	N	

IV. Source-Specific Applicable Requirements

Table IV-D
Source-specific Applicable Requirements
S-33 STANDBY ENGINE/GENERATOR #1, DIESEL-FIRED, 2000 KW
S-34 STANDBY ENGINE/GENERATOR #2, DIESEL-FIRED, 2000 KW

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	emissions testing		
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(e)	Monitoring Equipment	N	
93115.10(e)(1)	Install non-resettable hour meter with minimum display of 9,999 hours	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
BAAQMD Condition #22820			
part 1	Hours of Operation (Basis: CA CCR δ93115)	N	
part 2	Definition: Emergency Operation (basis: Regulation 9-8-231, CA CCR δ93115)	N	
part 3	Install non-resettable totalizing meter (CA CCR δ93115)	N	
part 4	Recordkeeping (CA CCR δ93115)	N	
Part 5	At School and Near School Operation (CA CCR δ93115)	N	

Table IV - E
Source-specific Applicable Requirements
S-35 INTERNAL COMBUSTION ENGINE,
4-STROKE LEAN-BURN CO-GENERATOR, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate concentration corrected to 6% oxygen, dry basis	N	

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-35 INTERNAL COMBUSTION ENGINE, 4-STROKE LEAN-BURN CO-GENERATOR, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate concentration corrected to 6% oxygen, dry basis	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (7/20/05)**		
8-2-301	Miscellaneous Operations	N	
SIP Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (3/22/95)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitations	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants, Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitation on Hydrogen Sulfide	N	
BAAQMD Regulation 9 Rule 8	**Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/2007)**		
9-8-301	Emission Limits - Fossil Derived Fuel Gas	N	

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-35 INTERNAL COMBUSTION ENGINE, 4-STROKE LEAN-BURN CO-GENERATOR, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-301.2	NOx Emission Limit for Lean-Burn Engines	N	
9-8-301.3	CO Emission Limit for Lean-Burn Engines	N	
9-8-302	Emission Limits - Waste Derived Fuel Gas	N	
9-8-302.1	NOx Emission Limit for Lean-Burn Engines	N	
9-8-302.3	CO Emission Limit for Lean-Burn Engines	N	
9-8-502	Recordkeeping	N	
9-8-502.3	Recordkeeping for Compliance Demonstration	N	
9-8-503	Quarterly Demonstration of Compliance	N	
SIP Regulation 9 Rule 8	**Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)**		
9-8-301	Emission Limits - Fossil Derived Fuel Gas	Y	
9-8-301.2	NOx Emission Limit for Lean-Burn Engines	Y	
9-8-301.3	CO Emission Limit for Lean-Burn Engines	Y	
9-8-302	Emission Limits - Waste Derived Fuel Gas	Y	
9-8-302.1	NOx Emission Limit for Lean-Burn Engines	Y	
9-8-302.3	CO Emission Limit for Lean-Burn Engines	Y	
40 CFR Part 63 Subpart A	**National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions**		
63.1	General Applicability of the General Provisions	Y	
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.6(a)	Compliance with standards and maintenance requirements - Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance extension procedures and criteria	Y	
63.6(j)	Presidential compliance exemption	Y	
63.10(a)	Recordkeeping and reporting requirements, applicability and	Y	

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-35 INTERNAL COMBUSTION ENGINE, 4-STROKE LEAN-BURN CO-GENERATOR, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	general information		
63.10(b)(1)	Record retention	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 63 Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines		
63.6585	Applicability	Y	
63.6585(a)	Applicable to Stationary RICE	Y	
63.6585(c)	Applicable to Area Source of HAPs	Y	
63.6590	Subject to subpart ZZZZ	Y	
63.6590(a)(1)(iii)	Existing stationary RICE at an area source of HAPs	Y	
63.6595	Compliance Schedule to subpart ZZZZ, 40 CFR 63	Y	
63.6595(a)(1)	Comply with the applicable emission limitation and operating limitations no later than May 3, 2013	Y	5/3/2013
63.6603(a)	Emission Limitations and Operating Limitations for Existing Stationary RICE located at an area source of HAP emissions	Y	5/3/2013
Table 2b.2	Compliance with operation Limits approved by the Administrator	Y	
Table 2d.8	a. Limit concentration of CO to 47 ppmvd at 15% O_2, or b.Reduce CO emissions by 93 percent or more	Y	5/3/2013
63.6605	General Requirements	Y	
63.6605(a)	Compliance with the emission limitations and operating limitations in this subpart at all times	Y	
63.6605(b)	Safety and good air pollution control practices for minimizing emissions	Y	
63.6612	Initial Performance Test or Other Initial Compliance Demonstrations	Y	11/3/2013
63.6615	Subsequent Performance Tests	Y	5/3/2013

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-35 INTERNAL COMBUSTION ENGINE, 4-STROKE LEAN-BURN CO-GENERATOR, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Table 3.4	Conduct subsequent source test every 8760 hours or 3 yr, whichever comes first	Y	
63.6620	Performance Tests and Other Procedures	Y	
Table 4.1	Reduce CO Emission. Must measure the O_2 and CO at the inlet and outlet of the control device using Portable CO and O_2 analyzer		
63.6625	Monitoring, Installation, Operation, and Maintenance Requirements	Y	
63.6625(c)	Monitor and record fuel usage daily with separate fuel meters to measure volumetric flow rate of each fuel; Operate RICE in a manner which reasonably minimizes HAP emissions	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.	Y	
63.6630	Demonstrate Initial Compliance with Emission Limitations and Operating Limitations	Y	
63.6635	Monitor and Collect Data to Demonstrate Continuous Compliance	Y	
63.6640	Demonstrate Continuous Compliance with the Emission Limitations and Operating Limitations	Y	
63.6645	Notifications Requirements	Y	
63.6645(a)(2)	Submit notification in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply	Y	
63.6650	Compliance Reports	Y	
Table 7.1	Compliance Reports for existing 4SLB stationary RICE >500HP	Y	
63.6655	Recordkeeping	Y	
63.6655(a)	Recordkeeping with the emission and operating limitations	Y	
63.6660	Recordkeeping	Y	
63.6660(a)	Suitable and readily available for expeditious review	Y	
63.6660(b) and 63.6660(c)	Records must be keep for 5 years	Y	
BAAQMD Condition			

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-35 INTERNAL COMBUSTION ENGINE, 4-STROKE LEAN-BURN CO-GENERATOR, 1160 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
#19750			
Part 1	Allowable Fuel: Digester Gas and/or Natural Gas with Diesel Pilot (Cumulative Increase)	Y	
Part 2	Thermal Capacity Limitation (Cumulative Increase)	Y	
Part 3	NOx Limits (BACT, cumulative increase)	Y	
Part 4	CO Limits (BACT, cumulative increase)	Y	
Part 5	NMHC Limits (Cumulative Increase)	Y	
Part 6	Flowmeters Required (basis: Regulation 1-441, Cumulative Increase)	Y	
Part 7	Annual Performance Test Requirement (basis: Regulation 1-441)	Y	
Part 8	Recordkeeping (basis: Regulation 2-6-409.2)	Y	

IV. Source-Specific Applicable Requirements

Table IV-F
Source-specific Applicable Requirements
S-100 WASTEWATER TREATMENT PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	N	
SIP Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (3/22/95)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #947			
Part 1	Wastewater Throughput (Cumulative Increase)	Y	
Part 2	Consequences of odor complaints (1-301; Public Nuisance)	Y	
Part 3	Recordkeeping (2-6-409.2)	Y	

Table IV-G
Source-specific Applicable Requirements
S-110 PRE- TREATMENT, S-120 PRIMARY TREATMENT,
S-130 FLOW EQUALIZATION, S-140 SECONDARY TREATMENT,
S-150 SECONDARY CLARIFIERS, S-160 TERTIARY TREATMENT
S-170 DISINFECTION, S-180 SLUDGE HANDLING PROCESSES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (7/20/05)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition # 784			

IV. Source-Specific Applicable Requirements

Table IV-G
Source-specific Applicable Requirements
S-110 PRE- TREATMENT, S-120 PRIMARY TREATMENT, S-130 FLOW EQUALIZATION, S-140 SECONDARY TREATMENT, S-150 SECONDARY CLARIFIERS, S-160 TERTIARY TREATMENT S-170 DISINFECTION, S-180 SLUDGE HANDLING PROCESSES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Wastewater Throughput (Cumulative Increase)	Y	
Part 2	Consequences of odor complaints (1-301; Public Nuisance)	Y	
Part 3	Recordkeeping (2-6-409.2)	Y	

Table IV-H
Source-specific Applicable Requirements
S-190 ANAEROBIC DIGESTERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	N	
SIP Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (3/22/95)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants- Hydrogen Sulfide (10/6/99)**		
9-2-301	H_2S ground-level concentration limitations	N	
BAAQMD Condition #18871			
Part 1	Primary Abatement of Digester Gas (Basis: Regulation 1-301)	Y	
Part 2	Secondary Abatement of Digester Gas (Basis: Cumulative Increase)	Y	
Part 3	Digester Gas Sulfide ppm Limit (Basis: Regulation 9-1)	Y	
Part 4	Weekly Sulfide Content Monitoring/Recording (Basis: Regulation 9-	Y	

IV. Source-Specific Applicable Requirements

Table IV-H
Source-specific Applicable Requirements
S-190 ANAEROBIC DIGESTERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	1-302)		
Part 5	Abatement Device Requirements	Y	

Table IV-I
Source-specific Applicable Requirements
S-200 INTERNAL COMBUSTION ENGINE #1, 4 STROKE LEAN-BURN
S-201 INTERNAL COMBUSTION ENGINE #2, 4 STROKE LEAN-BURN
S-202 INTERNAL COMBUSTION ENGINE #3, 4 STROKE LEAN-BURN
S-203 INTERNAL COMBUSTION ENGINE #4, 4 STROKE LEAN-BURN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6 Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate concentration corrected to 6% oxygen, dry basis	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate concentration corrected to 6% oxygen, dry basis	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations Standards	Y	
SIP Regulation 8,	**Organic Compounds-Miscellaneous Operation (3/22/95)**		

IV. Source-Specific Applicable Requirements

Table IV-I
Source-specific Applicable Requirements
S-200 INTERNAL COMBUSTION ENGINE #1, 4 STROKE LEAN-BURN
S-201 INTERNAL COMBUSTION ENGINE #2, 4 STROKE LEAN-BURN
S-202 INTERNAL COMBUSTION ENGINE #3, 4 STROKE LEAN-BURN
S-203 INTERNAL COMBUSTION ENGINE #4, 4 STROKE LEAN-BURN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Rule 2			
8-2-301	Miscellaneous Operations Standards	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitations	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9 Rule 8	**Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/2007)**		
9-8-301	Emission Limits - Fossil Derived Fuel Gas	N	
9-8-301.2	NOx Emission Limit for Lean Burn Engines	N	
9-8-301.3	CO Emission Limit for Lean Burn Engines	N	
9-8-302	Emission Limits - Waste Derived Fuel Gas	N	
9-8-302.1	NOx Emission Limit for Lean Burn Engines	N	
9-8-302.3	CO Emission Limit for Lean Burn Engines	N	
9-8-502	Recordkeeping	N	
9-8-502.3	Recordkeeping for Compliance Demonstration	N	
9-8-503	Quarterly Demonstration of Compliance	N	
SIP Regulation 9 Rule 8	**Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)**		
9-8-301	Emission Limits - Fossil Derived Fuel Gas	Y	
9-8-301.2	NOx Emission Limit for Lean-Burn Engines	Y	
9-8-301.3	CO Emission Limit for Lean-Burn Engines	Y	
9-8-302	Emission Limits - Waste Derived Fuel Gas	Y	
9-8-302.1	NOx Emission Limit for Lean-Burn Engines	Y	

IV. Source-Specific Applicable Requirements

Table IV-I
Source-specific Applicable Requirements
S-200 INTERNAL COMBUSTION ENGINE #1, 4 STROKE LEAN-BURN
S-201 INTERNAL COMBUSTION ENGINE #2, 4 STROKE LEAN-BURN
S-202 INTERNAL COMBUSTION ENGINE #3, 4 STROKE LEAN-BURN
S-203 INTERNAL COMBUSTION ENGINE #4, 4 STROKE LEAN-BURN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-302.3	CO Emission Limit for Lean-Burn Engines	Y	
40 CFR 60, Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	Y	
60.4233	Emission Standards for Owner or Operator of a Stationary Internal Combustion Engine	Y	
60.4233(e)	Emission Standards for Spark Ignition Engine Greater than 100 HP	Y	
Table 1	NOx, CO, and VOC Emissions Standards for Stationary Non-emergency SI Engines ≥ 100HP, Stationary SI Landfill/Digester Gas Engine and Stationary Emergency Engine >25 HP.	Y	
60.4234	Emissions Standards, Compliance of Emission Standards	Y	
60.4243	Compliance Requirements for Owners/Operator	Y	
60.4243(b)	Demonstrate Compliance with Emission Standards	Y	
60.4244	Test Method and Other Procedure for Owner or Operator	Y	
60.4245	Notification, Reporting, and Recordkeeping Requirements	Y	
60.4245(a)	Recordkeeping Requirements for all Stationary Spark Ignition Internal Combustion Engines	Y	
60.4245(c)	Notification Requirements for Non-certified Stationary Spark Ignition Engines Greater than 500 HP	Y	
60.4245(d)	Submission of Performance Test	Y	
60.4246	General Provisions to Subpart JJJJ	Y	
40 CFR63 (NESHAP)	National Emission Standards for Hazardous Air Pollutants for Source Categories	Y	
Subpart ZZZZ, 40 CFR 63.6590(c)(1)	Stationary Reciprocating Internal Combustion Engine subject to Regulations Under 40 CFR 60 (NSPS)	Y	
BAAQMD Condition # 24751			

IV. Source-Specific Applicable Requirements

Table IV-I
Source-specific Applicable Requirements
S-200 INTERNAL COMBUSTION ENGINE #1, 4 STROKE LEAN-BURN
S-201 INTERNAL COMBUSTION ENGINE #2, 4 STROKE LEAN-BURN
S-202 INTERNAL COMBUSTION ENGINE #3, 4 STROKE LEAN-BURN
S-203 INTERNAL COMBUSTION ENGINE #4, 4 STROKE LEAN-BURN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Limitation in operation and fuel usage (Basis: Cumulative Increase)	Y	
Part 2	Fuel meter installation (Basis: Cumulative Increase)	Y	
Part 3	POC emission limit (Basis: BACT)	Y	
Part 4	NOx emission limit (Basis: BACT)	Y	
Part 5	CO emission limit (Basis: BACT)	Y	
Part 6	Compliance Demonstration (Basis: BAAQMD Regulation 2-1-403, 9-8-5-1, and 9-8-503)	Y	
Part 7	Maintenance Requirements (Basis: Regulation 2-1-403)	Y	
Part 8	Reporting Requirement (Basis: BACT/TBACT)	Y	
Part 9	Recordkeeping Requirements (Basis: Cumulative Increase)	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

Condition #784
For S-110, S-120, S-130, S-140, S-150, S-160, and S-170

1. If the District receives more than five confirmed complaints in a week, the City of Santa Rosa WWTP shall take immediate action to abate the odor. [Basis: Regulation 1-301]

***Condition #947**
For S-100 Wastewater Treatment Plant

1. Flowrate

   The owner/operator shall ensure that the total wastewater flow to S-100 shall not exceed 21.3 million gallons per day on a calendar month average during dry weather periods or 42 million gallons per day on a calendar month average during wet weather periods. For the purposes of this limit, wet weather is defined as the months from October through May. [Basis: Cumulative Increase]

2. Nuisance

   In the event that a public nuisance odor source is identified at this facility, the owner/operator shall employ all measures, practices, or modifications necessary to abate the nuisance. [Basis: Regulation 1-301]

3. Records

   To demonstrate compliance with Part 1, above, the owner/operator shall maintain the following records: [Basis: Regulation 2-6-409.2]

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

Condition #12848

VI. Permit Conditions

For S-3 Composting Bay, S-4 Stockpiles, A-1 Biofilter

1. The owner/operator shall ensure that visible particulate emissions from this source do not exceed Ringelmann 0.5 or result in fallout on adjacent property in such quantities to cause a public nuisance per Regulation 1-301. (Basis: BACT, Regulation 1-301)
2. The owner/operator shall ensure that the throughput of sludge and yard waste mixture shall not exceed 36,500 tons in any consecutive 12-month period. (Basis: cumulative increase)
3. For the compost that is stockpiled, both in the curing pile and storage piles, the owner/operator shall add water manually as needed to reduce particulates. (Basis: Regulation 6-1-301)
4. The owner/operator shall process the stockpile of shredded screen yard waste (i.e., green tree trimmings, green leaves, brushes) no later than 5 days from the time they are received to prevent wood decomposition and odors. (Basis: Reg. 7)

5. If the owner/operator of this facility receives 2 or more Violation Notices from the District for "Public Nuisance" in any consecutive 12 month period, the owner/operator of this facility shall submit to the District within 30 days, an application to modify the Permit to Operate to include the following control measures as applicable or any other that the District deems necessary and appropriate. (Basis: Reg. 7)
   a. Reduce holding time of yard waste from 5 days to 3 days.
   b. Replace biofilter media with new material if it no longer is effective and decomposition has set it, or increase the biofilters thickness so that no odors are detected.

6. In order to demonstrate compliance with the above conditions, the owner/operator of sources S-3 and S-4 shall maintain the following records in a District approved log. These records shall be kept on facility and made available for District inspection for a period of five years from the date that the record was made.
   (Basis: Cumulative Increase, BAAQMD Regulation 2-6-301)
   a. Daily throughput of sludge/yard waste material being processed summarized on a monthly basis.
   b. Cubic yards of stockpiled yard waste received in stockpiled area and removed for processing during a 5 day time period.
   c. Daily hours of operation, summarized on a monthly basis.

Condition #18867
For Sources S-29 and S-31

VI. Permit Conditions

1. The owner/operator shall ensure that emissions of NOx from this source do not exceed
   a. 65 ppmv as corrected to 15% oxygen, dry basis when fired with natural gas.
   b. 70 ppmv as corrected to 15% oxygen, dry basis when fired with digester gas.
   (Basis: BAAQMD Regulation 9-8-301.2, 302.1, cumulative increase)

2. The owner/operator shall ensure that emissions of CO from this source do not exceed 2000 ppmv as corrected to 15% oxygen, dry basis. (Basis: BAAQMD Regulation 9-8-301.3, 302.3)

3. The owner/operator shall ensure that District approved flowmeters are installed on each engine, to measure the respective digester gas and natural gas flow. The owner/operator shall install these flowmeters prior to any operation and maintain the flowmeters in good working order. (Basis: BAAQMD Regulation 1-441, cumulative increase)

4. The owner/operator shall ensure that an annual performance test is conducted in accordance with the District test procedures to demonstrate compliance with the NOx and CO limits. City of Santa Rosa may submit an alternative monitoring plan to the District for approval. If the alternative monitoring plan is approved, the plan shall supersede the annual source test requirement. Approvals shall be processed using the permit modification procedure contained in Regulation 2, Rule 6. (Basis: BAAQMD Regulation 2-6-409.2)

5. The owner/operator shall maintain a District-approved engine log to record the hours of operation, amount of digester gas and natural gas combusted to produce the power. The owner/operator shall maintain this log for a period of at least five years and shall be made available to District personnel upon request. (Basis: BAAQMD Regulation 2-6-501, cumulative increase)

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Condition #18871
For S-190 Anaerobic Digesters

1. The owner/operator shall ensure that emissions from S-190 are abated at all times by combustion at any or all of the following engines: S-29, S-31, S-35, S-200, S-201, S-202, & S-203 except as specified in Part 2
(Basis: Regulation 1-301)

2. The owner/operator shall ensure that emissions from S-190 are abated by A-35 only when equipment failure or other emergencies require the flaring of digester gas.
(Basis: Cumulative Increase)

3. The owner/operator shall ensure that digester gas total sulfur content does not exceed 1500 ppm for digester gas going to A-35. (Basis: Reg. 9-1)

4. To demonstrate compliance with the 1500 ppm limit, the owner/operator shall monitor and record the sulfur content of the digester gas upstream of A-200 at a frequency of at least once every calendar week. If the permit holder can demonstrate 3 months of digester gas sulfur results lower than 1000 ppm the monitoring frequency for sulfur analysis may be reduced to at least once every calendar month. (Basis: Regulation 9-1-302)

5. The owner/operator shall ensure that the digester gas going to engines S-200 & S-201, S-202, & S-203 is abated by A-200 Iron Sponge / Water Removal and then by A-201 Activated Carbon/Particle Removal. The owner/operator shall monitor the H_2S content at least weekly with a portable analyzer and replace the iron sponge material and/or the activated carbon material before the digester gas H_2S content downstream of A-201 reaches 5 ppm.

VI. Permit Conditions

Condition #19750
For source S-35, Cogen Engine #4, 1160 BHP, 800 KW

1. The owner/operator shall ensure that the engine is fired on digester gas and/or natural gas only.
   [Basis: Cumulative Increase]
2. Thermal Capacity Limitation: The owner/operator shall ensure that the total thermal input to S-35 does not exceed 56,772 MM Btu in any 12-month period. [Basis: Cumulative Increase]
3. The owner/operator shall operate S-35 so that the NOx emissions, calculated as NO_2, do not exceed 95 ppm @ 15% O2 or 0.35 lb/MM Btu of heat input. [Basis: BACT, Cumulative Increase]
4. The owner/operator shall operate S-35 so that the CO emissions do not exceed 410 ppm at 15 percent oxygen, or 0.94 lb/MM Btu fuel input. [Basis: BACT, Cumulative Increase]
5. The owner/operator shall operate S-35 so that the NMHC emissions, calculated as methane, do not exceed 270 ppm at 15 percent oxygen, or 0.35 lb/MM Btu duel input. [Basis: BACT, Cumulative Increase]
6. The owner/operator shall install District approved flowmeters on this engine to measure the respective digester gas and natural gas flow. The owner/operator shall install these flowmeters prior to any operation and maintain these flowmeters in good working order. [Basis: Cumulative Increase]
7. The owner/operator shall ensure that an annual performance test is conducted on each engine in accordance with District-approved test procedures to demonstrate ongoing compliance with the NOx, CO and NMHC limits specified in Parts 3, 4, and 5, above.
   [Basis: BAAQMD 1-441]
8. To determine compliance with the above Parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including the following information:
   [Basis: Regulation 2-6-409.2]
   a. Monthly records of the quantity of digester gas and natural gas burned at this source.
   b. Monthly records of the total thermal input in BTU.
   c. All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request.
   d. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulation.

Condition # 22820 for S-33 and S-34 Emergency Generators

VI. Permit Conditions

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing.
   [Basis: "Regulation 2-5]

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

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

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

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

   The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and

VI. Permit Conditions

testing, during the following periods:
a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition #24751
For S-200, S-201, S-202, S-203 – 1537 BHP Engines

1. The owner/operator shall ensure that Cogeneration Engines S-200, 201, 202, 203 are fired only by one of the following fuels: sewage sludge digester gas, natural gas, or a combination of digester gas and natural gas, and in accordance with the following requirements.
   a. At any one time, up to two engines may be running for routine use (non-emergency, non-testing/maintenance). The routine use engine(s) running will fire digester gas, with up to 10% by volume natural gas to smooth out the fuel flow.
   b. The engines not running to produce power will function as emergency use generators.
   c. Each engine may fire natural gas for up to 100 hours/yr for maintenance and testing.
   d. Each engine may fire 100% natural gas during emergency situations.
   [Basis: Cumulative Increase]

2. The owner/operator shall install and maintain District approved totalizing, non-resettable hour meters on S-200, S-201, S202, and S-203. The ratio of natural gas to digester gas shall be monitored and recorded for the engine(s) running for routine use. If the gases are mixed at each engine, the owner/operator shall install and maintain District approved totalizing, non-resettable flow meters for digester gas and natural gas at S-200, S-201, S-202, and S-203.If the gases are mixed centrally and then distributed to the engines, the owner/operator shall install and maintain District approved totalizing non-resettable flow meters for digester gas and natural gas at the mixer and

VI. Permit Conditions

totalizing, non-resettable flow meters for the mixed gas at each engine. [Basis: Cumulative Increase]

3. The owner/operator shall ensure that emissions of Precursor Organic Compounds (POC) from S-200, S-201, S-202, and S-203 each do exceed:
   a. 0.55 g/bhp-hr when fired with digester gas with up to 10% by volume natural gas.
   b. 1.0 g/bhp-hr when fired with 100% natural gas.
   [Basis: BACT]

4. The owner/operator shall ensure that emissions of Nitrogen Oxides (NOx) from S-200, S-201, S202, and S-203 each do not exceed 0.75 g/bhp-hr.
   [Basis: BACT]

5. The owner/operator shall ensure that emissions of Carbon Monoxide (CO) from S-200, S-201, S-202, S-203 each do not exceed:
   a. When fired with 100% natural gas: 2.3 g/bhp-hr source test limit.
   b. Within 360 hours of Initial and/or Post Maintenance Start-up: 2.55 g/bhp-hr source test limit.
   c. Not to Exceed (NTE) limits: 3.10 g/bhp-hr for ongoing operation. The owner/operator may demonstrate compliance with this part by having a portable analyzer CO concentration at the engine exhaust of not more than 378 ppm of CO, corrected to 15% oxygen, dry basis. An exhaust concentration of more than 378 ppm of CO shall not be deemed a violation of this part, if the owner/operator complies with one of the following requirements within 30 days or measuring the concentration excursion.
      i. Conduct a Part 6a Complaince Demonstration Source Test, which demonstrates that CO emissions do not exceed 3.10 g/bhp-hr during the test period, or
      ii. Shutdown the engine as soon as possible, but within 30 days and perform a maintenance event to achieve an emission level of less than or equal to 2.55 g/bhp-hr.

6. In order to demonstrate compliance with part 3 through 5, the owner/operator shall conduct a District-approved source testing as follows:
   [Basis: 2-1-403, 9-8-501, and 9-8-503]

   a. Compliance Demonstration Source Test (initial, annual and post maintenance source tests:): The owner or operator shall ensure that a District approved compliance demonstration source test is conducted within 360 hours of each initial startup or post maintenance startup of each engine and annually thereafter. Annual source tests shall be conducted no

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later than 12 calendar months after the previous source test, shall be conducted while the engine is operating at conditions representative of normal operation, and shall determine all item identified in Parts 6a (i-vi), below. The owner or operator shall notify the District Source Test Section at least 7 days in advance of each source test. Compliance demonstration test reports shall be submitted to the Source Test Section within 60 days of the test date. Since these units are similar, for the initial source test, two engines may be tested running digester gas with 10% natural gas and two engines with 100% natural gas. For annual source test, at least two of the four engines shall be tested annually for compliance with parts 3-5 above. One engine may be tested firing digester gas with up to 10% by volume natural and the other engine firing 100% natural gas. The testing shall also satisfy the requirements of 40 CFR 60 subpart JJJJ 60.4244. The compliance demonstration source test shall determine and report the following information:

i. Total flow rate of gaseous fuel to each IC Engine (dry basis);
ii. Concentrations (dry basis) of carbon dioxide (CO2), nitrogen (N2), oxygen (O2), methane (CH4), and total non-methane organic compounds (NMOC) in the combined gaseous fuel burned in each IC Engine;
iii. Exhaust gas flow rate from each IC Engine (dry basis);
iv. Concentration (dry basis) of NOx, CO, CH4, NMOC, and O2 in the exhaust gas from each IC Engine;
v. Emissions rate of NOx and CO in units of grams of pollutant/brake horsepower-hour.
vi. CO, NOx and O2 concentration in the exhaust from each engine shall be measured in tandem using the portable gas analyzer method used for the monthly emission monitoring required by Part 6b

b. Monthly (Portable Analyzer) Emission Monitoring Test: The owner or operator shall conduct an emissions monitoring test on a calendar month basis on the engines that are running on routine use (non-emergency, non-testing/maintenance). The interval between required monthly monitoring events shall be at least 15 days. This monthly test shall determine concentration of NOx and CO in units of ppmv @ 15% oxygen using a District approved portable analyzer. All emission monitoring tests shall be conducted with the engine operating at conditions representative of normal operation unless otherwise specified. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations. NOx and CO reading at 15% oxygen shall be averaged over a consecutive 15-munite period.
c. The owner or operator may elect to perform a part 6a compliance demonstration source test in lieu of or in addition to any monthly monitoring test.

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d. The owner/operator shall ensure that monitoring and testing analytical accuracy is within ten percent. [Basis: Source Test Section Policy]

7. Maintenance Requirements: The owner or operator shall conduct an engine maintenance event in accordance with the following maintenance frequencies:

   a. Overhaul Frequency when portable CO analyzer readings exceed the "Action Limit" of 348 @ 15% oxygen (2.85 g/bhp-hr equivalent): In the event that the monthly emission monitoring test indicates emission levels greater than 348 ppm action limit ppm equivalent, the owner or operator may either accept the test result and comply with the maintenance event frequency in this subpart, or elect to perform a compliance demonstration source test to determine the engine emission levels in g/bhp-hr. If a compliance demonstrate source is performed, the results in units of g/bhp-hr shall be used in preference to monthly ppm monitoring results for determining if engine emission levels exceed the action limit.

   b. If the engine emissions are determined to exceed the action limit, the owner or operator shall perform an engine maintenance event to return the engine to the initial CO limit of 2.55 g/bhp-hr within 12 calendar months of the source test date (or monthly monitoring test date) showing CO emissions exceeded the action limit.

   c. Overhaul frequency when CO emissions do not exceed the "Action Limit" of 348 ppm @15% oxygen (2.85 g/bhp-hr equivalent). The owner or operator shall perform an engine maintenance event to return the engine to the initial CO limit of 2.55 g/bhp-hr at a frequency not to exceed 43,000 hours or 60 calendar months of operation, whichever comes first. For the purposes of complying with this part, the engine shall be considered to operate for a calendar month if the engine is operated with digester gas feed for more than 372 hours in any calendar month.
   [Basis: Regulation 2-1-403]

8. The owner/operator shall report any non-compliance with the above parts to the Director of the Compliance & Enforcement Division at the time that it is discovered. The submittal shall detail the corrective action taken and shall include the data showing the exceedance as well at time of occurrence.
   [Basis: Cumulative Increase, BACT/TBACT)

9. The owner or operator of S-200, S-201, S-202, and S-203 shall keep the following records on site in a District approved log:

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a. Monthly (calendar) records of the amount of each type of fuel combusted at the source and the natural gas/digester gas volumetric ratio at the engine firing to produce power (non-emergency, non-testing-maintenance)
b. Monthly monitoring test results including, date, averaging time and NOx, CO concentrations converted to 15% oxygen basis.
c. Record of all compliance source tests performed including the instrument calibration and comparative handheld monitoring testing results.

These records shall be kept on site and made available for inspection by District personnel for a period of at least 5 years from the date on which a record is made. [Basis Cumulative Increase]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-3 COMPOST BAY, S-4 STOCKPILES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-1-301	N		Ringelmann No. 1	N	N	
TSP	SIP Regulation 6-301	Y		Ringelmann No. 1	N	N	
POC	BAAQMD Regulation 8-2-301	N		15 lb/day or 300 ppm total carbon concentration	N	N	
POC	SIP Regulation 8-2-301	Y		15 lb/day or 300 ppm total carbon concentration	N	N	
	BAAQMD Cond #12848, Part 1	Y		Public Nuisance Ringelmann 0.5	N	N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S-17, S-18 Reclaimed Water Ponds

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Compounds	BAAQMD Regulation 8-2-301	Y		15 lb/day or 300 ppm total carbon concentration	N	N	
Organic Compounds	SIP Regulation 8-2-301			15 lb/day or 300 ppm total carbon concentration	N	N	

Table VII-C
Applicable Limits and Compliance Monitoring Requirements
S-29 & S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD Regulation 6-1-301	N		Ringelmann No. 1	None	N	
PM	SIP Regulation 6-301	Y		Ringelmann No. 1	None	N	
PM	BAAQMD Regulation 6-1-310	N		343 mg per dscm (0.15 grains per dscf) of exhaust gas	None	N	
PM	SIP Regulation 6-310	Y		343 mg per dscm (0.15 grains per dscf) of exhaust gas	None	N	
SO_2	BAAQMD Regulation 9-1-301	N		Ground Level Concentration of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	
SO_2	BAAQMD	N		300 ppm (dry)	None	N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-C
Applicable Limits and Compliance Monitoring Requirements
S-29 & S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Regulation 9-1-302						
SO_2	SIP Regulation 9-1-301	Y		Ground Level Concentration of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	
SO_2	SIP Regulation 9-1-301	Y		300 ppm (dry)	None	N	
NOx	BAAQMD 9-8-301.2	N		< 65 ppmv corrected to 15% oxygen, dry basis when fired with natural gas	BAAQMD Regulation 9-8-503	P/Q	Portable Analyzer
NOx	BAAQMD 9-8-302.1	N		< 70 ppmv corrected to 15% oxygen, dry basis when fired with digester gas	BAAQMD Regulation 9-8-503	P/Q	Portable Analyzer
NOx	SIP Regulation 9-8-301.2	Y		< 140 ppmv corrected to 15% oxygen, dry basis when fired with natural gas	None	N	
NOx	SIP Regulation 9-8-302.1	Y		< 140 ppmv corrected to 15% oxygen, dry basis when fired with digester gas	None	N	
NOx	Condition #18867, part 1	Y		< 140 ppmv corrected to 15% oxygen, dry basis when fired with natural gas	Condition #18867, part 4	P/A	Source test or alternative monitoring plan
CO	BAAQMD Regulation	N		< 2000 ppmv corrected to 15% oxygen, dry basis	BAAQMD Regulation	P/Q	Portable Analyzer

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-C
Applicable Limits and Compliance Monitoring Requirements
S-29 & S-31 INTERNAL COMBUSTION ENGINES, 4-STROKE LEAN-BURN CO-GENERATORS, 1160 HP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	9-8-302.3				9-8-503		
CO	SIP Regulation 9-8-302.3	Y		< 2000 ppmv corrected to 15% oxygen, dry basis	None	N	
CO	NESHAP 40 CFR 63.6603(a), Table 2d.8	Y		a. Limit concentration to 47 ppmvd at 15% O_2, or b. Reduce CO emissions by 93 percent or more	NESHAP 40 CFR 63.6612(a)	P	Initial Source test
CO	NESHAP 40 CFR 63.6603(a)	Y		a. Limit concentration to 47 ppmvd at 15% O_2, or b. Reduce CO emissions by 93 percent or more	NESHAP 40 CFR 63.6640, Table 6.9(a)	C	Work or management practices
CO	Condition #18867, part 2	Y		< 2000 ppmv corrected to 15% oxygen, dry basis	Condition #18867, part 4	P/A	Source test or alternative monitoring plan

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-33, Standby Engine/Generator #1, Diesel-Fired, 2000 KW
S-34, Standby Engine/Generator #2, Diesel-Fired, 2000 KW

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	CA CCR Section 93115	N		20 hours/calendar year	CA CCR Section 93115, BAAQMD Cond 18856, Part 5	P/E	Records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-33, Standby Engine/Generator #1, Diesel-Fired, 2000 KW
S-34, Standby Engine/Generator #2, Diesel-Fired, 2000 KW

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf	None	N	
PM	SIP Regulation 6-310	Y		0.15 gr/dscf	None	N	
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann No. 1	None	N	
Opacity	SIP Regulation 6-301	Y		Ringelmann No. 1	None	N	

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S-35 Internal Combustion Engine, 4-Stroke Lean Burn, 1160 HP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Regulation 9-8-301.2	N		65 ppmv @ 15% O2, dry when fired with natural gas	BAAQMD Regulation 9-8-503	P/Q	Portable Analyzer
NOx	BAAQMD Regulation 9-8-302.1	N		70 ppmv @ 15% O2, dry when fired with digester gas	BAAQMD Regulation 9-8-503	P/Q	Portable Analyzer
NOx	SIP Regulation 9-8-301.2	Y		140 ppmv @ 15% O2, dry when fired with natural gas	None	N	
NOx	SIP Regulation	Y		140 ppmv @ 15% O2, dry	None	N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S-35 Internal Combustion Engine, 4-Stroke Lean Burn, 1160 HP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	9-8-302.1			when fired with digester gas			
NOx	BAAQMD Condition #19750, part 3	Y		95 ppm @ 15% O2 or 0.35 lb/MM Btu of heat input	BAAQMD Condition #19750, part 7	P/A	Source test
CO	BAAQMD Regulation 9-8-302.3 and 9-8-301.3	N		2000 ppmv @ 15% O2, dry	BAAQMD Regulation 9-8-503	P/Q	Portable Analyzer
CO	SIP Regulation 9-8-302.3 and 9-8-301.3	Y		2000 ppmv @ 15% O2, dry	None	N	
CO	BAAQMD Condition #19750, part 4	Y		410 ppm @ 15 % O2 or 0.94 lb/MM btu fuel	BAAQMD Condition #19750, part 7	P/A	Source test
SO2	BAAQMD Regulation 9-1-301	Y		GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	
	BAAQMD Regulation 9-1-302	Y		300 ppm (dry)	None	N	
NMHC	BAAQMD Condition #19750, part 5	Y		270 ppm @ 15% Oxygen or 0.35 lb/MM Btu Fuel Input	BAAQMD Condition #19750, part 7	P/A	Source test
Opacity	BAAQMD Regulation 6-1-301	N		> Ringelmann 1.0 for no more than 3 min in any hour	None	N	
Opacity	SIP Regulation 6-301	Y		> Ringelmann 1.0 for no more than 3 min in any hour	None	N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-E
Applicable Limits and Compliance Monitoring Requirements
S-35 Internal Combustion Engine, 4-Stroke Lean Burn, 1160 HP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf	None	N	
PM	SIP Regulation 6-310	Y		0.15 gr/dscf	None	N	
Fuel Use	BAAQMD Condition #19750, part 2	Y		56,772 MM Btu in any 12 month period	BAAQMD Condition #19750, part 8	P/M	Records

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-F
Applicable Limits and Compliance Monitoring Requirements
S-100 WASTEWATER TREATMENT PLANT
S-110 PRELIMINARY TREATMENT, S-120 PRIMARY TREATMENT
S-130 FLOW EQUALIZATION, S-140 SECONDARY TREATMENT
S-150 SECONDARY CLARIFIERS, S-160 TERTIARY TREATMENT
S-170 DISINFECTION, S-180 SLUDGE HANDLING PROCESSES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Compounds	BAAQMD Regulation 8-2-301	N		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	N
Organic Compounds	SIP Regulation 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	None	N	N

Table VII-G
Applicable Limits and Compliance Monitoring Requirements
S-190 ANAEROBIC DIGESTERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Compounds	BAAQMD Regulation 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	N	N	N
Organic Compounds	SIP Regulation 8-2-301	Y		Emissions may not exceed 300 ppm total carbon, dry, and 15 lb/day/source	N	N	N
Digester gas total sulfur content	BAAQMD Condition #18871, Part 3	N		Not to exceed 1500 ppm	BAAQMD Condition #18871, Part 4	P/W	Testing

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-H
Applicable Limits and Compliance Monitoring Requirements
S-200 INTERNAL COMBUSTION ENGINE #1, 4-STROKE LEAN-BURN
S-201 INTERNAL COMBUSTION ENGINE #2, 4-STROKE LEAN-BURN
S-202 INTERNAL COMBUSTION ENGINE #3, 4-STROKE LEAN-BURN
S-203 INTERNAL COMBUSTION ENGINE #4, 4-STROKE LEAN-BURN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Regulation 9-8-301.2	N		65 ppmv @ 15% O2, dry when fired with natural gas	BAAQMD Regulation 9-8-503	P/Q	Portable analyzer
NOx	BAAQMD Regulation 9-8-302.1	N		70 ppmv @ 15% O_2, dry when fired with digester gas	BAAQMD Regulation 9-8-503	P/Q	Portable analyzer
NOx	SIP Regulation 9-8-301.2	Y		140 ppmv @ 15% O_2, dry when fired with natural gas	None	N	
NOx	SIP Regulation 9-8-302.1	Y		140 ppmv @ 15% O_2, dry when fired with digester gas	None	N	
NOx	NSPS 40 CFR 60, subpart JJJJ	Y		3.0 g/bhp-hr or 220 ppmv @ 15% O_2 dry	NSPS 40 CFR 60.4243(b)(2)(ii)	P/A	Source test or alternate monitoring plan
NOx	BAAQMD Condition #24751, part 4	Y		0.75 g/hp-hr	BAAQMD Condition 24751, part 6a	P/A	Source test
NOx	BAAQMD Condition #24751, part 4	Y		0.75 g/hp-hr	BAAQMD Condition 24751, part 6b	P/M	Portable Analyzer
CO	BAAQMD Regulation 9-8-302.3 and 9-8-301.3	Y		2000 ppmv @ 15% O_2, dry	BAAQMD Regulation 9-8-503	P/Q	Portable Analyzer
CO	SIP Regulation 9-8-302.3 and 9-8-301.3	Y		2000 ppmv @ 15% O_2, dry	None	N	

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-H
Applicable Limits and Compliance Monitoring Requirements
S-200 INTERNAL COMBUSTION ENGINE #1, 4-STROKE LEAN-BURN
S-201 INTERNAL COMBUSTION ENGINE #2, 4-STROKE LEAN-BURN
S-202 INTERNAL COMBUSTION ENGINE #3, 4-STROKE LEAN-BURN
S-203 INTERNAL COMBUSTION ENGINE #4, 4-STROKE LEAN-BURN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	NSPS 40 CFR 60, subpart JJJJ	Y		5.0 g/bhp-hr or 610 ppmv @15% O_2 dry	40 CFR 60.4244	P/A	Source test or alternate monitoring plan
CO	BAAQMD Condition #24751, part 5a	Y		2.3 g/bhp-hr when fired on 100% natural gas	BAAQMD Condition 24751, part 6a	P/A	Source test
CO	BAAQMD Condition #24751, part 5b	Y		2.55 g/bhp-hr	BAAQMD Condition 24751, part 6a	P/A	Source test
CO	BAAQMD Condition #24751, part 5c	Y		378 ppmv, dry, @ 15 % O_2 or 3.1 g.bhp-hr	BAAQMD Condition 24751, part 6a	P/A	Source test
SO_2	BAAQMD Regulation 9-1-301	N		GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	
SO_2	BAAQMD Regulation 9-1-302	N		300 ppm (dry)	None	N	
SO_2	SIP Regulation 9-1-301	Y		GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	N	
SO_2	SIP Regulation 9-1-302	Y		300 ppm (dry)	None	N	
Organic Compounds	BAAQMD Condition	Y		0.55 g/bhp-hr when fired with digester	BAAQMD Condition	P/A	Source test

VII. Applicable Limits & Compliance Monitoring Requirements

Table VII-H
Applicable Limits and Compliance Monitoring Requirements
S-200 INTERNAL COMBUSTION ENGINE #1, 4-STROKE LEAN-BURN
S-201 INTERNAL COMBUSTION ENGINE #2, 4-STROKE LEAN-BURN
S-202 INTERNAL COMBUSTION ENGINE #3, 4-STROKE LEAN-BURN
S-203 INTERNAL COMBUSTION ENGINE #4, 4-STROKE LEAN-BURN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	#24751, part 3			gas.	24751, part 6a		
Organic Compounds	BAAQMD Condition #24751, part 3	Y		1.0 g/bhp-hr when fired with natural gas	BAAQMD Condition 24751, part 6a	P/A	Source test
Organic Compounds	BAAQMD Regulation 8-2-301	N		>15 lb/day or >300 ppm total carbon concentration	None	N	
Organic Compounds	SIP Regulation 8-2-301	Y		>15 lb/day or >300 ppm total carbon concentration	None	N	
Opacity	BAAQMD Regulation 6-1-301	N		> Ringelmann 1.0 for no more than 3 min in any hour	None	N	
Opacity	SIP Regulation 6-301	Y		> Ringelmann 1.0 for no more than 3 min in any hour	None	N	
Particulate	BAAQMD Regulation 6-1-310	Y		0.15 gr/dscf	None	N	
Particulate	SIP Regulation 6-310	Y		0.15 gr/dscf	None	N	

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
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 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-8-301.2	Fossil Derived Fuel Gas, NOx Limits for Lean Burn Engines	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling Limit on Odorous Compounds and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-301.3	Fossil Derived Fuel Gas, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.1	Waste Derived Fuel Gas NOx Limits for Lean Burn Engines	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling Limit on Odorous Compounds and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.3	Waste Derived Fuel Gas CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #18867, Part 1, Condition #19750, Part 3, Condition #24751, Part 4	NOx Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling Limit on Odorous Compounds and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and

VIII. Test Methods

Table VIII
Test Methods

#18867, part 2, Condition #19750, part 4, Condition #24751, part 5		ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #12848, Part 1	Ringelmann limit	Manual of Procedures, Volume I, Evaluation of Visible Emissions

IX. REVISION HISTORY

July 1, 1997 Application 25837

Date	Application	Type of Revision
7/1/1997	25837	Initial Title V Permit
1/8/2007	3925	Title V Renewal
5/20/2013	23555	Title V Renewal
11/20/2023	32212	Administrative Amendment for change in Facility Contact and Responsible Official

X. GLOSSARY

ACT
Federal Clean Air Act

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

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

CCR
California Code of Regulation

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CEQA
California Environmental Quality Act

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

CO
Carbon Monoxide

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

District
The Bay Area Air Quality Management District

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District regulations.

X. Glossary

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

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

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

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

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

MOP
The District's Manual of Procedures.

NAAQS
National Ambient Air Quality Standards

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

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

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

NSR
New Source Review. A federal program for pre-construction review and permitting of new

X. Glossary

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

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

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

POC
Precursor Organic Compounds

PM
Particulate Matter

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

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

RICE
Reciprocating Internal Combustion Engines

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

SO2
Sulfur dioxide

THC
Total Hydrocarbons (NMHC + Methane)

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

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

X. Glossary

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Plan

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Units of Measure:

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