

Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

**East Bay Municipal Utility District
Facility #A0591**

Facility Address:

2020 Wake Avenue
Oakland, CA 94607

Mailing Address:

P.O. Box 24055 MS #704
Oakland, CA 94607

Responsible Official

David R. Williams
(510) 287-1663

Facility Contact

Kurt Haunschild
(510) 287-1407

Type of Facility: Municipal Wastewater Treatment Facility
(Publicly Owned Treatment Works)

BAAQMD Engineering
Division Contact:
Irma Salinas

Primary SIC: 4952

Product: Treated Municipal Wastewater

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jeff McKay for Jack P. Broadbent
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

December 19, 2012
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 1/6/10)
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).
- SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)
- BAAQMD Regulation 2, Rule 9 –Interchangeable Emission Reduction Credits
(as amended by the District Board on 6/15/05)

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

1. This Major Facility Review Permit was issued on December 19, 2012 and expires on December 18, 2017. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 18, 2017 and no earlier than December 18, 2016. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after December 18, 2017.** If the permit renewal has not been issued by December 18, 2017, 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)

I. Standard Conditions

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

I. Standard Conditions

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)

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 entry. (Regulation 2-6-501,; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

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

I. Standard Conditions

of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502,; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be July 1st through June 30th. The certification shall be submitted by July 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any

I. Standard Conditions

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

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

A. Permitted Source List

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.

**Table II – A
 Permitted Sources**

S-#	Description	Make or Type	Model	Capacity
S-37	Multi-Fuel Cogeneration Engine #1, Diesel Fuel/Digester Gas/Natural Gas Fired	DeLaval/Cooper	DGSR-46	25 MM BTU/hour, 28,600 in ³ displacement
S-38	Multi-Fuel Cogeneration Engine #2 Diesel Fuel/Digester Gas/Natural Gas Fired	DeLaval/Cooper	DGSR-46	25 MM BTU/hour, 28,600 in ³ displacement
S-39	Multi-Fuel Cogeneration Engine #3 Diesel Fuel/Digester Gas/Natural Gas Fired	DeLaval/Cooper	DGSR-46	25 MM BTU/hour, 28,600 in ³ displacement
S-43	Wet Weather Primary Sludge Thickeners (2)	Custom	Custom	N/A
S-45	Aerated Grit Tanks (8)	Custom	N/A	N/A
S-47	Scum Thickening Building	Custom	N/A	N/A
S-48	Gasoline Dispensing Facility #9008	Emco-Wheaton	N/A	3000 gallon Hoover above ground tank; one gasoline dispensing nozzle
S-50	Diesel Engine Backup Generator	Detroit Diesel	10437316	238 HP
S-51	Diesel Engine Backup Generator	Generac	440FER82 12 GGW	268 HP
S-52	Diesel Engine Backup Generator	Generac	unknown	280 HP
S-53	Diesel Engine Backup Generator	Cummins	6CTA8.3-G	277 HP
S-54	Diesel Engine Backup Generator	Caterpillar	3412B	1114 HP, 1649 in ³ displacement

II. Equipment List

Table II – A
Permitted Sources

S-#	Description	Make or Type	Model	Capacity
S-55	Hot Water Boiler, Digester Gas Fired	Cleaver-Brooks	W28-HHW-BLR-001	20.41 MM BTU/hour
S-56	Digester Gas Turbine #1, Digester Gas Fired	Solar	Mercury 50	4.5 MW; 44.5 MM BTU/hour
S-100	Wastewater Treatment Plant-Fugitive Emissions	Custom	A3003/ A3005	N/A
S-110	Headworks, IPS, Barscreens	Custom	N/A	N/A
S-120	Primary Treatment; <u>16</u> Sedimentation Tanks	Custom	N/A	N/A
S-130	Secondary Treatment; 8 HPO Activated Sludge Units	Custom	N/A	N/A
S-140	Secondary Clarifiers; 12 Clarifiers	Custom	N/A	N/A
S-160	Disinfection; Chlorination Contact Tanks, Non-ducted, Effluent	Custom	N/A	N/A
S-170	Sludge Handling, 3 WAS GBTs,- 6 Dewatering Centrifuges	Custom	N/A	N/A
S-180	Anaerobic Digesters (11), 10 Floating Cover, 1 Dystor Unit	Custom	N/A	N/A

II. Equipment List

B. Abatement Device List

**Table II – B
 Abatement Devices**

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-7	Atomized Mist Scrubber	S-170,	BAAQMD Reg 1-301	None Listed	N/A
A-190	Digester Gas Flare, 10.5 MM Btu/hr	S-180	BAAQMD Reg 1-301, 8-2-301	None Listed	< 15 lb/day & 300 ppm C
A-191	Digester Gas Flare, 10.5 MM Btu/hr	S-180	BAAQMD Reg 1-301, 8-2-301	None Listed	< 15 lb/day & 300 ppm C
A-192	Digester Gas Flare, 10.5 MM Btu/hr	S-180	BAAQMD Reg 1-301, 8-2-301	None Listed	< 15 lb/day & 300 ppm C
A-193	Digester Gas Flare, 10.5 MM Btu/hr	S-180	BAAQMD Reg 1-301, 8-2-301	None Listed	< 15 lb/day & 300 ppm C
A-461	Carbon Bed Scrubber	S-110	BAAQMD Reg 1-301	None Listed	<u>N/A</u>
A-462	Carbon Bed Scrubber	S-110	BAAQMD Reg 1-301	None Listed	<u>N/A</u>

II. Equipment List

C. Exempt Equipment List

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

Table II – C
Exempt Equipment

S-#	Description	Type or Make and Model	Capacity	Comments
S-49	Portable Diesel Engine, Backup Generator	Allis Chalmers	134 bhp, 3500 MK11	Exempt per 2-6-114

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of the SIP requirements are 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>

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 a rule until US EPA has reviewed and approved the District's revision of the regulation.

**Table III
 Generally Applicable Requirements**

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

III. General Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 5	Permits – New Source Review of Toxic Air Contaminants (1/6/10)	N
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (7/9/08)	N
SIP Regulation 5	Opening 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 (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (7/1/09)	N
SIP Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (1/2/04)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8 Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
BAAQMD 8-40-116	Exemption, Small Volume (12/15/99)	Y
BAAQMD 8-40-117	Exemption, Accidental Spills (12/15/99)	Y
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds – Adhesive and Sealant Products (7/17/02)	N

III. General Applicable Requirements

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 8, Rule 51	Organic Compounds – Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/19/11)	N
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is:

<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>

Table IV-A
Source Specific Applicable Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

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)		
6-1-303	Ringelmann No. 2 Limitation	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operation -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)		
6-303	Ringelmann No. 2 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operation - Particulate concentration corrected to 6% oxygen, dry basis	Y	

IV. Source-Specific Applicable Requirements

Table IV-A
Source Specific Applicable Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)		
8-2-301	Limitations on Total Carbon Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	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)		
9-8-302	Emission Limits – Spark-Ignited Engines, Waste Derived Fuel Gas	N	
9-8-302.1	NOx Limits for Lean Burn Engines	N	
9-8-302.3	CO Limits	N	
9-8-502	Recordkeeping	N	
9-8-502.3	For a minimum of 24 months from date of creation	N	
9-8-503	Quarterly Demonstration of Compliance	N	
SIP Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)		
9-8-302	Emission Limits – Waste Derived Fuel Gas	Y	
9-8-302.1	NOx Limits for Lean Burn Engines	Y	
9-8-302.3	CO Limits	Y	
9-8-502	Recordkeeping	Y	
40 CFR Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV-A
Source Specific Applicable Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.8	Monitoring requirements	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	
63.10(d)	General reporting requirements	Y	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	
40 CFR Part 63 Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (8/20/10)		
63.6585	Am I subject to this part?	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)	Affected source	Y	
63.6590(a)(1)(iii)	Threshold Date for Existing stationary RICE	Y	
63.6595	When do I have to comply with this subpart?	Y	
63.6595(a)(1)	Compliance Date for affected sources	Y	5/3/2013
63.6603	What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?	Y	
63.6603(a)	Operating limitations for existing stationary RICE located at an area source of HAP emissions	Y	5/3/2013
63.6625	What are my monitoring, installation, collection, operation, and maintenance requirements?	Y	5/3/2013
63.6625(e)6	An existing non-emergency, non-black start landfill or digester gas stationary RICE located at an area source of HAP emissions	Y	5/3/2013
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	5/3/2013

IV. Source-Specific Applicable Requirements

Table IV-A
Source Specific Applicable Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6640	How do I demonstrate continuous compliance with the emission limitations and operating limitations?	Y	
63.6645	What notifications must I submit and when?	Y	
63.6645(a)(2)	Existing stationary RICE located at an area source of HAP emissions	Y	
63.6655	What Records must I keep?	Y	
63.6655(c)(3)	Keep records of your daily fuel usage monitors	Y	
63.6655(d)	Keep records required in Table 6	Y	
63.6660	In what form and how long must I keep records?	Y	
Table 2d to Subpart ZZZZ	Requirements for existing Stationary RICE Located at Area Sources of HAP Emissions	Y	
Table 2.d.11a	Change oil and filter every 1440 hours of operation	Y	
Table 2.d.11b	Inspect spark plugs every 1440 hours of operation	Y	5/3/2013
Table 2.d.11c	Inspect all hoses and belts every 1440 hours of operation	Y	5/3/2013
Table 6 to Subpart ZZZZ	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices	Y	5/3/2013
Table 6 9.a.	Work or Management Practices	Y	
BAAQMD Condition # 18860			
Part 1	Emissions shall be abated at all times (Basis: Regulations 1-301 and 8-2-301)	N	
BAAQMD Condition # 20651			
Part 10	NOx Limit (Regulation 9-8-302)	N	
Part 11	CO Limit (Regulation 9-8-302)	N	
Part 12	Allowable Fuel: Digester Gas and/or Natural Gas with Diesel Pilot (Cumulative Increase)	Y	
Part 13	Thermal Capacity Limitation (Cumulative Increase)	Y	
Part 14	Annual Hours of Operation (Cumulative Increase)	Y	
Part 15	Diesel Throughput Limitation (Cumulative Increase)	Y	
Part 16	Deleted		

IV. Source-Specific Applicable Requirements

Table IV-A
Source Specific Applicable Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 17	Deleted		
Part 18	Recordkeeping (Regulations 2-6-409.2 and 2-6-501)	Y	
Part 19	Annual Performance Test Requirement (Regulations 2-6-409.2)	Y	
Part 20	Records Retention (Regulations 2-6-409)	Y	

IV. Source-Specific Applicable Requirements

**Table IV-B
 Source Specific Applicable Requirements
 S-38 Multi-Fuel Cogeneration Engine #2**

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)		
6-1-303	Ringelmann No. 2 Limitation	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)		
6-303	Ringelmann No. 2 Limitation	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	Limitations on Total Carbon Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	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)		
9-8-302	Emission Limits – Spark-Ignited Engines, Waste Derived Fuel Gas	N	
9-8-302.1	NOx Limits for Lean Burn Engines	N	
9-8-302.3	CO Limits	N	
9-8-502	Recordkeeping	N	
9-8-502.3	For a minimum of 24 months from date of creation	N	
9-8-503	Quarterly Demonstration of Compliance	N	

IV. Source-Specific Applicable Requirements

**Table IV-B
 Source Specific Applicable Requirements
 S-38 Multi-Fuel Cogeneration Engine #2**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)		
9-8-302	Emission Limits – Waste Derived Fuel Gas	Y	
9-8-302.1	NOx Limits for Lean Burn Engines	Y	
9-8-302.3	CO Limits	Y	
9-8-502	Recordkeeping	Y	
40 CFR Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.8	Monitoring requirements	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	
63.10(d)	General reporting requirements	Y	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	
40 CFR Part 63 Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (8/20/2010)		
63.6585	Am I subject to this part?	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)	Affected source	Y	
63.6590(a)(1)(iii)	Threshold Date for Existing stationary RICE	Y	

IV. Source-Specific Applicable Requirements

Table IV-B
Source Specific Applicable Requirements
S-38 Multi-Fuel Cogeneration Engine #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6595	When do I have to comply with this subpart?	Y	
63.6595(a)(1)	Compliance Date for affected sources	Y	5/3/2013
63.6603	What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?	Y	
63.6603(a)	Operating limitations for existing stationary RICE located at an area source of HAP emissions	Y	
63.6625	What are my monitoring, installation, collection, operation, and maintenance requirements?	Y	
63.6625(e)(6)	An existing non-emergency, non-black start landfill or digester gas stationary RICE located at an area source of HAP emissions	Y	
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	
63.6640	How do I demonstrate continuous compliance with the emission limitations and operating limitations?	Y	
63.6645	What notifications must I submit and when?	Y	
63.6645(a)(2)	Existing stationary RICE located at an area source of HAP emissions	Y	
63.6655	What Records must I keep?	Y	
63.6655(c)(3)	Keep records of your daily fuel usage monitors	Y	
63.6655(d)	Keep records required in Table 6	Y	
63.6660	In what form and how long must I keep records?	Y	
Table 2d to Subpart ZZZZ	Requirements for existing Stationary RICE Located at Area Sources of HAP Emissions	Y	
Table 2.d.11a	Change oil and filter every 1440 hours of operation	Y	
Table 2.d.11b	Inspect spark plugs every 1440 hours of operation	Y	
Table 2.d.11c	Inspect all hoses and belts every 1440 hours of operation	Y	
Table 6 to Subpart ZZZZ	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices	Y	
Table 6 9.a.	Work or Management Practices	Y	
BAAQMD Condition # 18860			
Part 1	Emissions shall be abated at all times (Basis: Regulations 1-301, 8-2-301)	N	

IV. Source-Specific Applicable Requirements

Table IV-B
Source Specific Applicable Requirements
S-38 Multi-Fuel Cogeneration Engine #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 20651			
Part 6	NOx Limits (BACT)	Y	
Part 7	POC Limits (BACT)	Y	
Part 8	CO Limits (BACT)	Y	
Part 9	Filterable PM Limits (BACT)	Y	
Part 12	Allowable Fuel: Digester Gas and/or Natural Gas with Diesel Pilot (Cumulative Increase)	Y	
Part 13	Thermal Capacity Limitation (Cumulative Increase)	Y	
Part 14	Annual Hours of Operation (Cumulative Increase)	Y	
Part 15	Diesel Throughput Limitation (Cumulative Increase)	Y	
Part 16	Deleted		
Part 17	Deleted		
Part 18	Recordkeeping (Regulations 2-6-409.2 and 2-6-501)	Y	
Part 19	Annual Performance Test Requirement (Regulations 2-6-409.2)	Y	
Part 20	Records Retention (Regulation 2-6-409)	Y	

IV. Source-Specific Applicable Requirements

**Table IV-C
 Source Specific Applicable Requirements
 S-43 Wet Weather Primary Sludge Thickeners,
 S-45 Aerated Grit Building,
 S-47 Scum Thickening Building**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operation (7/20/05)		
8-2-301	Miscellaneous Operations Standards	Y	
BAAQMD Condition # 2409			
Part 1	Consequences of Odor Complaints (Regulation 2-1-403)	N	

IV. Source-Specific Applicable Requirements

**Table IV-D
 Source Specific Applicable Requirements
 S-48, Non Retail Gasoline Dispensing Facility #9008**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	Organic Compounds – Storage of Organic Liquids (10/18/06)		
8-5-116	Exemption, Gasoline Storage Tanks at Gasoline Dispensing Facilities	N	
SIP Regulation 8, Rule 5	Organic Compounds – Storage of Organic Liquids (6/5/03)		
8-5-116	Exemption, Gasoline Storage Tanks at Gasoline Dispensing Facilities	Y	
8-5-206	Gas tight	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Pressure Setting	Y	
8-5-303.2	Gas Tight	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-501	Records	Y	
8-5-501.1	Types and amounts of materials stored	Y	
8-5-502	Tank Degassing Annual Source Test Requirement	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Regulation 8, Rule 7	Organic Compounds – Gasoline Dispensing Facilities (11/6/02)		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for Transfer into Stationary Tanks, Cargo Tanks, and Mobile Refuelers -CARB Phase I System	Y	
8-7-301.2	Installation of Phase I Equipment per CARB Certification Requirements	Y	
8-7-301.3	Submerged Fill Pipe Requirements	Y	

IV. Source-Specific Applicable Requirements

**Table IV-D
 Source Specific Applicable Requirements
 S-48, Non Retail Gasoline Dispensing Facility #9008**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-301.5	Maintenance and Operation of Phase I Equipment per Manufacturers and/or the applicable CARB Executive Order	Y	
8-7-301.6	Leak-Free, Vapor-Tight Requirements for Components	Y	
8-7-301.7	Fitting Requirements for Vapor Return Line Poppeted Drybreaks	Y	
8-7-301.8	Coaxial Phase I Prohibition	Y	
8-7-301.9	Swivel Adaptors	Y	
8-7-301.10	98% Phase I Vapor Recovery Efficiency	Y	
8-7-301.12	Vapor Spill Box Drain Valve Prohibition	Y	
8-7-301.13	Annual Vapor Tightness Testing	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Certified Phase II System	Y	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y	
8-7-302.6	Nozzle Insertion Interlocks	Y	
8-7-302.7	Nozzle Vapor Check Valves	Y	
8-7-302.8	Liquid Removal Devices	Y	
8-7-302.9	Coaxial Hoses	Y	
8-7-302.10	Construction Materials Specifications	Y	
8-7-302.12	Liquid Retain Limitation	Y	
8-7-302.13	Nozzle Spitting Limitation	Y	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-311	Exempt Tank Requirements	Y	
8-7-313	Requirements for New and Modified Phase II Installations	Y	
8-7-316	Pressure Vacuum Valves, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	

IV. Source-Specific Applicable Requirements

**Table IV-D
 Source Specific Applicable Requirements
 S-48, Non Retail Gasoline Dispensing Facility #9008**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-401	Equipment Installation and Modification	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing Requirements	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	Y	
40 CFR Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.8	Monitoring requirements	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	
63.10(d)	General reporting requirements	Y	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	
40 CFR Part 63 Subpart CCCCC	National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities (1/24/2011)		
63.11110	What is the purpose of this subpart?	Y	
63.11111	Am I Subject to the requirements in this subpart	Y	
63.11111(a)	Each GDF that is located at an area source	Y	

IV. Source-Specific Applicable Requirements

**Table IV-D
 Source Specific Applicable Requirements
 S-48, Non Retail Gasoline Dispensing Facility #9008**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.11111(c)	Monthly throughput of 10,000 gallons of gasoline or more- subject to 63.11117	Y	
63.11111(e)	Demonstrate their monthly throughput level as specified in 63.11112(d)	Y	
63.11111(i)	If throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold	Y	
63.11112	What parts of my affected source does this subpart cover?	Y	
63.11112(a)	Gasoline storage tanks and associated equipment components in vapor or liquid gasoline service	Y	
63.11112(d)	An affected source is an existing affected source if it is not new or reconstructed	Y	
63.11113	When do I have to comply with this subpart?	Y	
63.11113(c)	If affected source becomes subject to control requirements in this subpart because of monthly throughput increases per 63.11111(c) , you must comply with standard no later than 3 years after the affected source is subject to control requirements	Y	
63.11113(3)	The initial compliance demonstration test required per 63.11120(a)(1 and 2) must be conducted as specified below in (e)(1 and 2)	Y	
63.11113(e)(2)	For existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i)	Y	
63.11113(e)(2)(i)	For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraph c of this section.	Y	
63.11115	What are my general duties to minimize emissions?	Y	
63.11115(b)	Keep applicable records and submit reports as specified in 63.11125(d) and 63.11126(b)	Y	
63.11116	Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline	Y	
63.11116(a)	Handling requirements to prevent vapor releases to atmosphere	Y	
63.11116(a)(1)	Minimize gasoline spills	Y	
63.11116(a)(2)	Clean up spills as expeditiously as practicable	Y	

IV. Source-Specific Applicable Requirements

**Table IV-D
 Source Specific Applicable Requirements
 S-48, Non Retail Gasoline Dispensing Facility #9008**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.11116(a)(3)	Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use.	Y	
63.11116(a)(4)	Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices- such as oil/water separators	Y	
63.11117	Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more	Y	
63.11117(a)	Comply with the requirements in section 63.11116(a)	Y	
63.11117(b)	Only load gasoline into storage tanks utilizing submerged filling as defined in 63.11132 and as specified below	Y	
63.11117(b)(1)	Submerged fill pipes installed on or before November 9, 2006 must be no more than 12 inches from the bottom of the tank.	Y	
63.11117(b)(3)	Submerged fill pipes not meeting the specifications of paragraph (b)(1) are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe.	Y	
63.11117(e)	You must submit the applicable notification as specified in 63.11124 (a)	Y	
63.11117(f)	You must comply with the requirements of this subpart by the applicable dates contained in 63.11113	Y	
63.11120	What testing and monitoring requirements must I meet?	Y	
63.11120(b)	Under the provision 63.6(g) – you must demonstrate to the Administrator or delegated authority under paragraph 63.11131(a) of this subpart, the equivalency of their vapor balance system to that described in Table 1	Y	
63.11120(c)	Conduct of performance tests	Y	
63.11120(c)(1)	Demonstrate compliance with the leak rate and cracking pressure requirements specified	Y	
63.11124	What notifications must I submit and when?	Y	
63.11124(a)	Each owner/operator subject to control per 63.11117 must comply with (a)(1-3)	Y	
63.11124(a)(1)	Subject to initial notification requirements		
63.11124(a)(1)(i)	The name and address of the owner and operator	Y	

IV. Source-Specific Applicable Requirements

**Table IV-D
 Source Specific Applicable Requirements
 S-48, Non Retail Gasoline Dispensing Facility #9008**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.111124(a) (1)(ii)	The address (... physical location) of the GDF	Y	
63.111124(a) (1)(iii)	A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of 63.11117 that apply to you	Y	
63.111124(a) (2)	Submit Notification of Compliance Status to EPA within 60 days of compliance date unless you meet (a)(3) below	Y	
63.111124(a) (3)	If prior to January 10, 2008, you are operating in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 63.11117(b), you are not required to submit an initial Notification or a Notification of Compliance Status under paragraph (a)(1) or paragraph (a)(2) of this section.	Y	
63.111125	What are my recordkeeping requirements?	Y	
63.111125(d)	Keep records as specified in paragraphs (d)(1) and (2) of this section	Y	
63.111125(d) (1)	Records of the occurrence and duration of each malfunction of operation or of air pollution control and monitoring equipment	Y	
63.111125(d) (2)	Records of actions taken during periods of malfunction to minimize emissions in accordance with 63.1115(a)	Y	
63.111126	What are my reporting requirements?	Y	
63.111126(b)	Each owner or operator of an affected source under this subpart shall report by March 15 of each year, the number, duration and a brief description of each type of malfunction which occurred during the previous calendar year and which caused any applicable emission limitation to be exceeded.	Y	
Table 3 to Subpart CCCCCC of Part 63	Applicability of General Provisions	Y	
63.7(e)(1)	Conditions for conducting Performance Tests- 63.11120(c)	Y	
BAAQMD Condition # 21663	Gasoline Throughput Limit (Regulation 2-5-302)	N	

IV. Source-Specific Applicable Requirements

**Table IV-D
 Source Specific Applicable Requirements
 S-48, Non Retail Gasoline Dispensing Facility #9008**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 25107	Annual Leak Test (Regulation 8-7-407)	Y	
CARB Executive Order G-70-17-AD	Modification of Certification of the Emco Wheaton Balance Phase II Vapor Recovery System (5/6/93)		
Paragraph 9	Piping and Component Configurations	N	
Paragraph 10	Nozzle Type Requirements for New Installations	N	
Paragraph 11	Dispensing Rate Limit	N	
Paragraph 12	Restrictions on Use of Nozzle Extenders	N	
Paragraph 13	Requirement to Comply with Other Agencies' Rules and Regulations	N	
Paragraph 14	Nozzle Performance Shall Conform to Certification	N	
Paragraph 15	Prohibition on Alteration of Equipment, Parts, Design, or Operation	N	
Paragraph 16	Operating and Maintenance Requirements	N	
CARB Executive Order G-70--161	Certification of Hoover Containment Systems, Incorporated Fuelmaster Aboveground Tank Vapor Recovery System (11/30/94)		
Paragraph 9	Tank Design Configuration Limitations	N	
Paragraph 10	Emergency Vent Leak Limit	N	
Paragraph 11	Requirement to Use ARB Certified Phase I and Phase II Systems	N	
Paragraph 12	Phase I Piping Configuration Requirements and Disconnection Leak Limit	N	
Paragraph 13	Coaxial Hose Routing Requirements for Liquid Trap Limitations	N	
Paragraph 14	P/V Valve Requirements	N	
Paragraph 15	Tank Insulation Requirements	N	
Paragraph 16	Tank Exterior Surface Requirements	N	
Paragraph 17	Requirement to Comply with Local Air District Rules	N	
Paragraph 18	Requirements for Deliveries from a Cargo Truck	N	
Paragraph 19	Leak Checking Requirements	N	
Paragraph 20	Requirement to Comply with Local Fire Official's Requirements	N	

IV. Source-Specific Applicable Requirements

**Table IV-D
 Source Specific Applicable Requirements
 S-48, Non Retail Gasoline Dispensing Facility #9008**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Paragraph 21	Requirement to Comply with Other Agencies' Rules and Regulations	N	
Paragraph 22	Prohibition on Alteration of Equipment, Parts, Design, or Operation	N	
CARB Executive Order G-70-52-AM	Certification of Components for Red Jacket, Hirt, and Balance Phase II Vapor Recovery Systems (10/4/91)		
Paragraph 2	Test procedures for determining compliance of Phase II vapor recovery system (VRS)	N	
Paragraph 10	Compliance with the applicable certification requirements and rules and regulations	N	
Paragraph 11	Components and alternative hose configurations certified hereby shall perform in actual use with the same effectiveness as the certification test system	N	
Paragraph 12	Any alternation of the equipment, parts, design, or operation of the configurations certified hereby is prohibited	N	
Paragraph 13	All nozzles approved with the Phase II VRS specified in this Executive Order shall be 100% performance checked at the factory including checks of proper functioning of all automatic shutoff mechanisms.	N	
CARB Executive Order VR-301-D	Standing Loss Control Vapor Recovery System for Existing Installations of Aboveground Storage Tanks		
Paragraph 6	Standing loss Vapor Recovery System is not to exceed 2.26 pounds of hydrocarbon per 1000 gallons of ullage per day when installed, operated and maintained as specified	N	
Paragraph 14	Standing Loss Requirements valid through May 1, 2013	N	

IV. Source-Specific Applicable Requirements

Table IV-E
Source Specific Applicable Requirements
S-50 Diesel Engine BUG, Detroit Diesel 1043731616, 238 hp
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG, Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 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)		
6-1-303	Ringelmann No. 2 Limitation	N	
6-1-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-303	Ringelmann No. 2 Limitation	Y	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	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 1	Organic Compounds – General Provisions (6/15/94)		
8-1-110.2	Exemptions – Internal Combustion Engine	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)		
9-8-110.5	Exemption, Emergency Standby Engines	N	

IV. Source-Specific Applicable Requirements

Table IV-E
Source Specific Applicable Requirements
S-50 Diesel Engine BUG, Detroit Diesel 1043731616, 238 hp
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG, Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-330	Hours of Operation, Emergency Standby Engines	N	
9-8-330.1	For Emergency Use	N	
9-8-330.3	For Reliability-Related Activities	N	
9-8-331	Hours of Operation, Essential Public Service Standby Engines	N	
9-8-331.1	For Emergency Use	N	
9-8-502	Recordkeeping	N	
9-8-502.1	Recordkeeping, Demonstration of Emergency Standby Status- For Exempt Engines	N	
9-8-530	Monitoring and Recordkeeping, Emergency Standby Engines; Non-resettable Totalizing Meter	N	
9-8-530.1	Hours of Operation (total)	N	
9-8-530.2	Hours of Operation (emergency)	N	
9-8-530.3	Nature of Each Emergency Condition	N	
SIP Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)		
9-8-101	This rule does not apply to emergency generators- Reg 1-110.2	Y	
40 CFR Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.8	Monitoring requirements	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	
63.10(d)	General reporting requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
Source Specific Applicable Requirements
S-50 Diesel Engine BUG, Detroit Diesel 1043731616, 238 hp
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG, Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	
40 CFR Part 63 Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (8/20/10)		
63.6585	Am I subject to this part?	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)	Affected source	Y	
63.6590(a)(1)(iii)	Threshold Date for Existing stationary RICE	Y	
63.6595	When do I have to comply with this subpart?	Y	
63.6595(a)(1)	Compliance Date for affected sources	Y	5/3/13
63.6603	What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?	Y	
63.6603(a)	Operating limitations for existing stationary RICE located at an area source of HAP emissions	Y	
63.6625	What are my monitoring, installation, collection, operation, and maintenance requirements?	Y	
63.6625(e)	If you own or operate any of the following RICE, you must operate and maintain it and any associated control devices according to manufacturers' emission related instructions	Y	
63.6625(e)(3)	Existing Emergency RICE Located at an Area Source of HAPs	Y	
63.6625(f)	Install a non-resettable hour meter if one is not already installed	Y	
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	5/3/13
63.6640	How do I demonstrate continuous compliance with the emission limitations and operating limitations?	Y	
63.6640(f)	Requirements for emergency stationary RICE	Y	5/3/13

IV. Source-Specific Applicable Requirements

Table IV-E
Source Specific Applicable Requirements
S-50 Diesel Engine BUG, Detroit Diesel 1043731616, 238 hp
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG, Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6640(f)(1)	Requirements for existing emergency RICE located at an area source of HAPs	Y	5/3/13
63.6640(f)(1)(i)	No time limit on use during emergency situations	Y	5/3/13
63.6640(f)(1)(ii)	Maintenance checks and readiness testing annual hour limit	Y	5/3/13
63.6640(f)(1)(iii)	Non-emergency operation annual hour limit	Y	
63.6645	What notifications must I submit and when?	Y	
63.6645(a)	Submit all notifications required by 63.7(b-c), 63.8(e, f(4), f(6)), and 63.9(b-e, g, h)	Y	
63.6645(a)(5)	Notification requirements do not apply to this source	Y	
63.6655	What Records must I keep?	Y	
63.6655(e)	Records of maintenance on engine and control device performed per manufacturers' requirements	Y	
63.6655(e)(2)	for an existing stationary emergency RICE	Y	
63.6655(f)	Records of hours of operation using non-resettable meter	Y	
63.6655(f)(2)	for an existing emergency RICE located at an area source of HAPs	Y	
63.6660	In what form and how long must I keep records?	Y	
Table 2d to Subpart ZZZZ	Requirements for existing Stationary RICE Located at Area Sources of HAP Emissions	Y	5/3/13
Table 2d 4.a.	Schedule for oil and filter change	Y	5/3/13
Table 2d 4.b.	Schedule for air cleaner inspection	Y	5/3/13
Table 2d 4.c.	Schedule for hose and belt inspection	Y	5/3/13
Table 6 to Subpart ZZZZ	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices	Y	5/3/13
Table 6 9.a.	Work or Management Practices	Y	5/3/13
CCR Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)		
§93115.5	Fuel and Fuel Additive Requirements for New and In-use Stationary CI Engines > 50 bhp	N	

IV. Source-Specific Applicable Requirements

Table IV-E
Source Specific Applicable Requirements
S-50 Diesel Engine BUG, Detroit Diesel 1043731616, 238 hp
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG, Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.5(b)	Fuel requirements as of 1/1/06 for in-use emergency standby diesel CI engines	N	
§93115.6	Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
§93115.6(b)	For In-Use Emergency Standby Diesel Fueled CI Engines	N	
93115.6(b)(3)	Emission Standards and Operating Requirements	N	
93115.6(b)(3) A	Diesel PM Standards and Hours of Operation Limitations	N	
93115.6(b)(3) (A)(1)	General Requirements	N	
93115.6(b)(3) (A)(1)(a)	Limited to 20 hours of operating per year for maintenance and testing purposes for engines that emit Diesel PM >0.4 g/bhp-hr (applies to S-52)	N	
93115.6(b)(3) (A)(1)(b)	Limited to 30 hours of operating per year for maintenance and testing purposes For Engines That Emit Diesel PM Less Than or Equal to 0.40 g/bhp-hr: Operating Hour Limit for Reliability Related Activities (Note that HC, NOx, NMHC+NOx, and CO are not limited for this engine) (applies to S-50 and S-53)	N	
93115.6(b)(3) (A)(2)(b)	Allow in-use stationary emergency standby diesel fueled CI engines >50 HP to operate no more than 50 hours per year for maintenance and testing if diesel PM emission rate is less than or equal to 0.15 g/bhp-hr (applies to S-51)	N	
93115.10	Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(d)	Monitoring Equipment	N	
93115.10(d)(1)	Non-Resettable Hour Meter	N	
93115.10(f)	Reporting Requirements for Emergency Standby-Engines	N	
93115.10(f)(1)	Records and Monthly Summary	N	
93115.10(f)(2)	Records Retention and Availability	N	
93115.12	Compliance Schedule for Owners or Operators of Four or More Engines (>50 bHP) located within the District	N	

IV. Source-Specific Applicable Requirements

Table IV-E
Source Specific Applicable Requirements
S-50 Diesel Engine BUG, Detroit Diesel 1043731616, 238 hp
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG, Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.12(a)	Subject to requirements of 93115.6(b) –subject to meet compliance with annual hours of operation limits	N	1/1/2006
BAAQMD Condition # 22820	(applies to S-52)		
Part 1	Operating Time Limitation (CCR 93115.6(b)(3)(A)(1)(a))	N	
Part 2	Other Operational Limitations (CCR 93115.6(b)(3)(A)(1)(a))	N	
Part 3	Meter Requirements (CCR, Title 17, Section 93115.10(d)(1))	N	
Part 4	Record Keeping Requirements (CCR, Title 17, Section 93115.10(f) or Regulation 2-6-501)	N	
Part 5	At School and Near School Operating Limitations (CCR, Title 17, Section 93115.6(b)(2))	N	
BAAQMD Condition # 22830	(applies to S-50 and S-53)		
Part 1	Operating Time Limitation (CCR 93115.6(b)(3)(A)(1)(b))	N	
Part 2	Other Operational Limitations (CCR 93115.6(b)(3)(A)(1)(b))	Y	
Part 3	Meter Requirements (CCR, Title 17, Section 93115.10(d)(1))	Y	
Part 4	Record Keeping Requirements (CCR, Title 17, Section 93115.10(f) or Regulation 2-6-501)	N	
Part 5	At School and Near School Operating Limitations (CCR, Title 17, Section 93115.6(b)(2))	N	
BAAQMD Condition # 22850	(applies to S-51)		
Part 1	Operating Time Limitation (CCR 93115.6(b)(3)(A)(2)(b))	N	
Part 2	Other Operational Limitations (CCR 93115.6(b)(3)(A)(2)(b))	N	
Part 3	Meter Requirements (CCR, Title 17, Section 93115.10(d)(1))	N	
Part 4	Record Keeping Requirements (CCR, Title 17, Section 93115.10(f) or Regulation 2-6-501)	N	
Part 5	At School and Near School Operating Limitations (CCR, Title 17, Section 93115.6(b)(2))	N	

IV. Source-Specific Applicable Requirements

**Table IV- F
 Source Specific Applicable Requirements
 S-54 Diesel Engine BUG, Caterpillar 3412B, 1114 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)		
6-1-303	Ringelmann No. 2 Limitation	N	
6-1-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	N	
6-1-305	Visible Particulates	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-303	Ringelmann No. 2 Limitation	Y	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	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 1	Organic Compounds – General Provisions (6/15/94)		
8-1-110.2	Exemptions – Internal Combustion Engine	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)		
9-8-110.5	Exemption, Emergency Standby Engines	N	
9-8-330	Hours of Operation, Emergency Standby Engines	N	
9-8-330.1	For Emergency Use	N	

IV. Source-Specific Applicable Requirements

Table IV- F
Source Specific Applicable Requirements
S-54 Diesel Engine BUG, Caterpillar 3412B, 1114 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-330.3	For Reliability-Related Activities	N	
9-8-331	Hours of Operation, Essential Public Service Standby Engines	N	
9-8-331.1	For Emergency Use	N	
9-8-502	Recordkeeping	N	
9-8-502.1	Recordkeeping, Demonstration of Emergency Standby Status	N	
9-8-530	Monitoring and Recordkeeping, Emergency Standby Engines	N	
9-8-530.1	Hours of Operation (total)	N	
9-8-530.2	Hours of Operation (emergency)	N	
9-8-530.3	Nature of Each Emergency Condition	N	
SIP Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)		
9-8-101	This rule does not apply to emergency generators- Reg 1-110.2	Y	
40 CFR Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.8	Monitoring requirements	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	
63.10(d)	General reporting requirements	Y	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	
40 CFR Part 63 Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (8/20/10)		
63.6585	Am I subject to this part?	Y	

IV. Source-Specific Applicable Requirements

Table IV- F
Source Specific Applicable Requirements
S-54 Diesel Engine BUG, Caterpillar 3412B, 1114 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)	Affected source	Y	
63.6590(a)(1)(iii)	Threshold Date for New stationary RICE	Y	
63.6595	When do I have to comply with this subpart?	Y	
63.6595(a)(1)	Compliance Date for affected sources	Y	5/3/13
63.6603	What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?	Y	
63.6603(a)	Operating limitations for existing stationary RICE located at an area source of HAP emissions	Y	5/3/13
63.6625	What are my monitoring, installation, collection, operation, and maintenance requirements?	Y	
63.6625(e)	If you own or operate any of the following RICE, you must operate and maintain it and any associated control devices according to manufacturers' emission related instructions	Y	
63.6625(e)(3)	Existing Emergency RICE Located at an Area Source of HAPs	Y	
63.6625(f)	Install a non-resettable hour meter if one is not already installed	Y	
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	
63.6640	How do I demonstrate continuous compliance with the emission limitations and operating limitations?	Y	
63.6640(f)	Requirements for emergency stationary RICE	Y	
63.6640(f)(1)	Requirements for existing emergency RICE located at an area source of HAPs	Y	
63.6640(f)(1)(i)	No time limit on use during emergency situations	Y	
63.6640(f)(1)(ii)	Maintenance checks and readiness testing annual hour limit	Y	
63.6640(f)(1)(iii)	Non-emergency operation annual hour limit	Y	
63.6645	What notifications must I submit and when?	Y	

IV. Source-Specific Applicable Requirements

Table IV- F
Source Specific Applicable Requirements
S-54 Diesel Engine BUG, Caterpillar 3412B, 1114 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6645(a)	Submit all notifications required by 63.7(b-c), 63.8(e, f(4), f(6)), and 63.9(b-e, g, h)	Y	
63.6645(a)(5)	Notification requirements do not apply to this source	Y	
63.6655	What Records must I keep?	Y	
63.6655(e)	Records of maintenance on engine and control device performed per manufacturers' requirements	Y	
63.6655(e)(2)	for an existing stationary emergency RICE	Y	
63.6655(f)	Records of hours of operation using non-resettable meter	Y	
63.6655(f)(2)	for an existing emergency RICE located at an area source of HAPs	Y	
63.6660	In what form and how long must I keep records?	Y	
Table 2d to Subpart ZZZZ	Requirements for existing Stationary RICE Located at Area Sources of HAP Emissions	Y	
Table 2d 4.a.	Schedule for oil and filter change	Y	
Table 2d 4.b.	Schedule for air cleaner inspection	Y	
Table 2d 4.c.	Schedule for hose and belt inspection	Y	
Table 6 to Subpart ZZZZ	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices	Y	
Table 6 9.a.	Work or Management Practices	Y	
CCR Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)		
93115.5	Fuel and Fuel Additive Requirements for New and In-use Stationary CI Engines > 50 bhp	N	
93115.5(b)	Fuel requirements as of 1/1/06 for in-use emergency standby diesel CI engines	N	
93115.6	Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	For In-Use Emergency Standby Diesel Fueled CI Engines	N	
93115.6(b)(3)	Emission Standards and Operating Requirements	N	
93115.6(b)(3) A	Diesel PM Standards and Hours of Operation Limitations	N	
93115.6(b)(3) (A)(2)(b)	Limited to 50 hours of operating per year for maintenance and testing purposes If the diesel PM emission rate is less than or equal to 0.15 g/bhp-hr.	N	

IV. Source-Specific Applicable Requirements

Table IV- F
Source Specific Applicable Requirements
S-54 Diesel Engine BUG, Caterpillar 3412B, 1114 hp

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.10	Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(d)	Monitoring Equipment	N	
93115.10(d)(1)	Non-resettable totalizing hour meter	N	
93115.10(f)	Reporting Requirements for Emergency Standby-Engines	N	
93115.10(f)(1)	Records and Monthly Summary	N	
93115.10(f)(2)	Records Retention and Availability	N	
93115.12	Compliance Schedule for Owners or Operators of Four or More Engines (>50 bHP) located within the District	N	
93115.12(a)	Subject to requirements of 93115.6(b) –subject to meet compliance with annual hours of operation limits	N	
BAAQMD Condition # 22850			
Part 1	Operating Time Limitation (CCR 93115.6(b)(3)(A)(2)(a))	N	
Part 2	Other Operational Limitations (CCR 93115.6(b)(3)(A)(2)(a))	N	
Part 3	Meter Requirements (CCR, Title 17, Section 93115.10(d)(1))	N	
Part 4	Record Keeping Requirements (CCR, Title 17, Section 93115.10(f) or Regulation 2-6-501)	N	
Part 5	At School and Near School Operating Limitations (CCR, Title 17, Section 93115.6(b)(2))	N	

IV. Source-Specific Applicable Requirements

**Table IV-G
 Source Specific Applicable Requirements
 S-55: Hot Water Boiler**

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 Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operation - Particulate Concentration Correction to 6% Oxygen, Dry	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 Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operation - Particulate Concentration Correction to 6% Oxygen, Dry	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)		
8-2-301	Limitations on Total Carbon Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9, Rule 7	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)		
9-7-112	Limited Exemption, Low fuel Usage	N	
9-7-112.2	Uses less than 10% of annual maximum heat capacity in 12 month period	N	
9-7-301	Interim Emission Limits	N	
9-7-301.1	NOx Emissions Limit	N	

IV. Source-Specific Applicable Requirements

**Table IV-G
 Source Specific Applicable Requirements
 S-55: Hot Water Boiler**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-301.4	CO Emissions Limit	N	
9-7-307	Final Emissions Limits	N	
9-7-307.7	Emissions Limits – Digester Gas	N	
9-7-308	Compliance Schedule	N	
9-7-308.3	Effective Date 5 years after original manufacture date (May 2011 because manufacturer date = May 2006)	N	
9-7-311	Insulation Requirements-not to exceed 120 °F	N	
9-7-312	Stack Gas Temperature Limits	N	1/1/2013
9-7-503	Records	N	
9-7-503.1	Records of tune-ups	N	
9-7-503.5	Digester Gas, operating hours	N	
9-7-504	Low Fuel usage- Monitoring and Records	N	
9-7-504.1	Operate a non-resettable totalizing meter	N	
9-7-504.2	Annual fuel data record available for inspection	N	
SIP Regulation 9, Rule 7	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)		
9-7-111	Limited Exemption, Low Fuel Usage	Y	
9-7-301	Emissions Limits – Gaseous Fuels	Y	
9-7-301.1	NOx Emissions Limit	Y	
9-7-301.2	CO Emissions Limit	Y	
9-7-304	Low Fuel Usage Requirements	Y	
9-7-304.1	Maintain stack-gas oxygen concentration at < or equal to 3% by volume on a dry basis or	Y	
9-7-304.2	Tune at least once every 12 month	Y	
9-7-304.3	Meet emission limits specified in 9-7-301,302 or 303	Y	
9-7-503	Records	Y	
9-7-503.1	Documentation verifying annual tune-ups	Y	
9-7-503.3	Documentation verifying hours of equipment testing- during each calendar month	Y	
9-7-503.4	Results of source testing	Y	
9-7-504	Low Fuel Usage- Monitoring and Records	Y	

IV. Source-Specific Applicable Requirements

**Table IV-G
 Source Specific Applicable Requirements
 S-55: Hot Water Boiler**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 18860			
Part 1	Emissions shall be abated at all times (Regulations 1-301 and 8-2-301)	N	
BAAQMD Condition # 20651			
Part 1	Allowable fuel Type (Cumulative Increase)	Y	
Part 2	Maximum Allowable Operation: The Boiler S-55 shall not be operated simultaneously with 2 or more Engines (Cumulative Increase)	Y	
Part 3	Boiler Gross Heat Input Limit (Cumulative Increase)	Y	
Part 4	Deleted		
Part 5	NOx and CO Emission Limits (BACT)	Y	
Part 19	Annual Source Test, NOx and CO (Regulation 2-6-409.2)	Y	

IV. Source-Specific Applicable Requirements

**Table IV-H
 Source Specific Applicable Requirements
 S-56,: Digester Gas Turbine#1**

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 Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Particulate Concentration Correction to 6% Oxygen, Dry	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 Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Concentration Correction to 6% Oxygen, Dry	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)		
8-2-301	Limitations on Total Carbon Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 9	Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/6/06)		
9-9-113	Exemption- Inspection and Maintenance	N	
9-9-114	Exemption- Start-up and Shutdown	N	
9-9-115	Limited Exemption, Minor Inspection and Maintenance Work	N	
9-9-120	Interchangeable Emission Reduction Credits	N	

IV. Source-Specific Applicable Requirements

**Table IV-H
 Source Specific Applicable Requirements
 S-56,: Digester Gas Turbine#1**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-9-301.1.1	NOx Emissions Limits, Turbines rated 0.3 MW to less than 10.0 MW	N	
9-9-301.2	Emission Limits, Turbines 5 – 50 MM Btu/hr (Waste Gas Fired)	N	
9-9-301.3	If Turbine Burns Mixture of Fuels, Emission Limits Shall Be the Highest of the Limits Applicable to Any of the Fuel Mixtures	N	
9-9-301.4	Violation of Either of the Alternative Standards in Section 301.2 Shall Create a Rebuttable Presumption	N	
9-9-302.1	Emission Limit, Low Usage	N	
9-9-401	Efficiency Certification	N	
9-9-406	Other Useful Heat Recovery	N	
9-9-501	Monitoring and Recordkeeping requirements	N	
9-9-504	Annual Demonstration of Compliance	N	
9-9-605	Compliance with Output Based NOx Emission Standards	N	
SIP Regulation 9, Rule 9	Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/15/97)		
9-9-113	Exemption- Inspection and Maintenance	Y	
9-9-114	Exemption- Start-up and Shutdown	Y	
9-9-301	Emission Limits, General	Y	
9-9-301.1	NOx Emissions Limits, Turbines rated 0.3 MW to less than 10.0 MW	Y	
9-9-401	Efficiency Certification	Y	
9-9-501	Monitoring and Recordkeeping requirements	Y	
40 CFR Part 60 Subpart A	Standards of Performance for New Stationary Sources – General Provisions 9/13/10)	Y	
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and record keeping		
60.7(a)(4)	Written notification of physical or operational changes	Y	
60.7(b)	Records	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	

IV. Source-Specific Applicable Requirements

**Table IV-H
 Source Specific Applicable Requirements
 S-56,: Digester Gas Turbine#1**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11	Compliance with standards and maintenance requirements	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.11(d)	Minimizing emissions	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General notification and reporting requirements	Y	
40 CFR Part 60 Subpart GG	Standards of Performance for Stationary Gas Turbines		
60.330	Applicability and designation of affected facility	Y	
60.332	Standard for nitrogen oxides	Y	
60.332(l)	Exemption from NOx standard – Regenerative Cycle Gas Turbines	Y	
60.333	Standard for sulfur oxides	Y	
60.333(a)	SO2 emissions limit	Y	
60.333(b)	Fuel sulfur limit	Y	
60.334	Monitoring of operations	Y	
60.334(h)	For any stationary gas turbine subject to this subpart	Y	
60.334(h)(1)	Fuel sulfur content	Y	
60.334(h)(2)	Fuel Nitrogen content	Y	
60.335	Test methods and procedures	Y	
BAAQMD Condition # 18860			
Part 1	Emissions shall be abated at all times (Regulations 1-301 and 8-2-301)	N	
BAAQMD Condition # 24050			
Part 1	Fuel Requirement, digester gas only (Cumulative Increase)	Y	
Part 2	Maximum Fuel Input (Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV-H
Source Specific Applicable Requirements
S-56,: Digester Gas Turbine#1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	NOx Emissions Limit (BACT, Offsets, Cumulative Increase)	Y	
Part 4	CO Emissions Limit (BACT, Cumulative Increase)	Y	
Part 5	SO2 Emissions Limit (40 CFR Part 60 Subpart GG Section 60.333)	Y	
Part 6	Fuel Metering (Cumulative Increase)	Y	
Part 7	Source Test Requirements (BACT, Cumulative Increase, Regulation 9-9-301.1)	Y	
Part8	Periodic Flue Gas Testing (Cumulative Increase)	Y	
Part 9	Digester Gas BTU Content – Sampling (Cumulative Increase)	Y	
Part 10	Recordkeeping (Regulations 1-441 and 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

**Table IV-I
 Source Specific Applicable Requirements
 S-100, MUNICIPAL WASTEWATER TREATMENT PLANT,
 120 MMGD DRY WEATHER FLOWRATE
 325 MMGD WET WEATHER FLOWRATE**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operation (7/20/05)		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition # 21759	Operating Requirements		
Part 1	Wastewater Throughput (Cumulative Increase)	Y	
Part 2	Consequences of odor complaints (Regulation 1-301; Public Nuisance)	Y	
Part 3	Recordkeeping (Regulation 2-6-409.2)	Y	

IV. Source-Specific Applicable Requirements

**Table IV-J
 Source Specific Applicable Requirements
 S-110 Headworks; IPS; Barscreens**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operation (7/20/05)		
8-2-301	Miscellaneous Operations Standards	Y	
BAAQMD Condition # 17335	Operating Requirements		
Part 1	Abatement Requirements (Regulation 2-1-403)	N	
Part 2	Abatement Device - Maintenance of Abatement Efficiency (Regulation 2-1-403)	N	
Part 3	Monitoring Parameters- Inlet & Outlet H ₂ S Measurements (Regulation 2-1-403)	N	
Part 4	Recordkeeping (Regulation 2-1-403)	N	
Part 5	Consequences of Odor Complaints (Regulation 2-1-403)	N	

IV. Source-Specific Applicable Requirements

Table IV- K
Source Specific Applicable Requirements
S-120 Primary Treatment, 16 Sedimentation Tanks
S-130 Secondary Treatment, 8 HPO Activated Sludge Units C/V
S-140 Secondary Clarifiers; 12 Clarifiers (mixed liquor)
S-160 Disinfection; Chlorination Contact Tanks, non-ducted

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

IV. Source-Specific Applicable Requirements

**Table IV-L
 Source Specific Applicable Requirements
 S-170 Sludge Handling: 3 WAS GBTs, 6 Dewatering Centrifuges**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operation (7/20/05)		
8-2-301	Miscellaneous Operations Standards	Y	
BAAQMD Condition # 18006	Operating Requirements		
Part 1	Activated Sludge Throughput: Monitoring & Recordkeeping required (Cumulative Increase)	Y	
Part 2	Abatement Requirements (Regulation 1-301)	N	
Part 3	Abatement Scrubber Maintenance (Regulation 2-1-403)	Y	
Part 4	Recordkeeping (Regulation 2-6-409.2)	Y	

IV. Source-Specific Applicable Requirements

**Table IV-M
 Source Specific Applicable Requirements
 S-180 Anaerobic Digesters; 12 Floating Cover Digesters**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operation (7/20/05)		
8-2-301	Miscellaneous Operations Standards	Y	
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)		
9-2-301	H2S ground-level concentration limitations	N	
BAAQMD Condition # 18860			
Part 1	Primary Abatement of Digester Gas (Regulations 1-301 and 8-2-301)	N	
Part 2	Secondary Abatement of Digester Gas (Regulation 1-301 and Cumulative Increase)	N	
Part 3	Digester Gas Sulfide ppm Limit (BACT)	N	
Part 4	Weekly Sulfide Content Monitoring (Regulation 1-441)	N	
Part 5	Recordkeeping (Regulation 2-6-409.2)	N	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable. The following table lists the sources in order with their former and current condition number.

<u>Source Number(s)</u>	<u>Former Condition #</u>	<u>Current Permit Condition #</u>
37	20651	18860, 20651
38	20651	18860, 20651
39	20651	18860, 20651
43	2409	2409
45	2409	2409
47	2409	2409
48	16516	25107, 21663
50	19040	22830
51	21921	22850
52	19184, 19058	22820
53	21924, 19040	22830
54	22850, 24733	22850
55	N/A	18860, 20651
56	N/A	18860, 24050
100	21759	21759
110	17335	17335
170	18006	18006
180	18860	18860

Condition #2409

S-43, Wet Weather Primary Sludge Thickeners

S-45, Aerated Grit Tanks

S-47, Scum Thickening Building

- *1. If the District receives more than five confirmed odor complaints within one month, the EBMUD shall take immediate action to remedy the odor problem. (Basis: BAAQMD Regulation 2-1-403)

VI. Permit Conditions

Condition 21663

S-48, GDF G-9008

Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 334,000 gallons in any consecutive 12 month period. (Basis: Regulation 2-5-302)

Condition 25107

Source S-48 GDF G-9008

For each aboveground gasoline storage tank, the Static Pressure Performance Test (Leak Test) ST-38 shall be successfully conducted at least once in each twelve consecutive month period after the date of successful completion of the startup Static Pressure Performance Test.

The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within fifteen (15) days of testing. Start-up test results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109). (Basis: Regulation 8-7-407)

VI. Permit Conditions

Condition #17335

S-110, Headworks: IPS, Barscreens, ducted to/abated by A-461 and/or A-462

- *1. Source S-110 shall be abated at all times by A-461 and/or A-462 carbon adsorber(s) to control emissions of H₂S unless the abatement device is removed from service for maintenance or regeneration purposes. Periods of operation without the use of A-461 or A-462 shall be minimized. (Basis: Regulation 2-1-403)
- *2. To ensure good H₂S abatement efficiency, EBMUD shall replace or regenerate the carbon adsorption bed in A-461 and/or A-462 upon determination that breakthrough is imminent or has been reached. (Basis: Regulation 2-1-403)
- *3. To ensure compliance with Part 2, the inlet and outlet H₂S concentrations, as well as any other appropriate operating parameters shall be continuously monitored and reviewed on a daily basis to determine when carbon adsorption bed breakthrough is imminent or has been reached. (Basis: Regulation 2-1-403)
- *4. Monitoring records shall be kept and maintained to document periods of shutdown of A-461 or A-462 and to demonstrate compliance with Parts 2 & 3 above. (Basis: Regulation 2-1-403)
- *5. If the District receives more than five confirmed odor complaints within one month, the EBMUD shall take immediate action to remedy the odor problem. (Basis: Regulation 2-1-403)

VI. Permit Conditions

Condition 18006

S-170, Sludge Handling; 3 W.A.S.GBT's, 6 Dewatering Centrifuges, Abated by A-7 or A-8 Atomized Mist Scrubber

1. Throughput
EBMUD shall monitor and record on a daily basis the activated sewage sludge throughput through S-170. (Basis: Cumulative Increase)
2. Abatement
All vapor emissions from S-170 shall be routed under negative pressure to A-7 or A-8 Atomized Mist Scrubber. (Basis: Cumulative Increase)
3. A-7 and A-8 Atomized Mist Scrubbers shall be properly maintained and kept in good operating condition at all times. (Basis: Regulation 2-1-403)
4. Records
To demonstrate compliance with the above conditions, EBMUD shall keep and maintain the following records in a District approved log: (Basis: Regulation 2-6-409.2)
 - a. Records of all inspections and all maintenance work on A-7 and A-8. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspected A-7 and/or A-8.
 - b. Records noting the occurrence and duration of any malfunction of A-7 or A-8, including the date, the suspected cause of the malfunction, and any action taken to restore normal operation.
 - c. All records shall be retained on-site for 5 years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations.

VI. Permit Conditions

Condition 18860

S-180, Anaerobic Digesters

1. Emissions from S-180 shall be abated at all times by combustion at any or all of the following sources: S-56, S-37, S-38, S-39, and S-55, except as specified in Part 2. (Basis: Regulations 1-301, 8-2-301)
2. Emissions from S-180 shall be abated by any of the following: A-190, A-191, A-192 or A-193 only when required as a result of gas production exceeding available combustion capacity, equipment testing, or emergency conditions. Fugitive or short-term unavoidable and incidental emissions of digester gas related to inherent digester design limitations, safety considerations or operational testing shall not be considered a violation of this part.

Inherent design limitations or standard operation and maintenance activities where incidental emissions of digester gas could be expected to include (but are not limited to) the following:

- a. Digester gas bubbling around the digester tank(s) floating roof sludge seals.
- b. Preventative maintenance on pressure relief valves to ensure proper operation.
- c. Manual draining of condensate from digester gas piping.
- d. Removing a digester or digester gas component from service.
- e. Collecting digester sludge samples through thief holes on digester covers.
- f. Digester gas diffusion through the Dystor membrane.
- g. Manual venting of digester gas through thief holes to avoid tipping of digester covers

If detected and known, the occurrence, duration and cause of all emissions of digester gas other than those due to inherent digester design limitations or standard operation and maintenance shall be recorded. The Permit Holder shall perform and record the results of a monthly visual inspection of each digester tank.

Notwithstanding the above, the Permit Holder shall not cause or allow any of the above fugitive or incidental emissions to create a violation or any District Regulation or Regulation 2-5-302. (Basis: Regulation 1-301, Cumulative Increase)

3. Digester gas total sulfur content shall not exceed 340 ppmv. (Basis: BACT)
4. The Permit Holder shall demonstrate compliance with the above limit by weekly sampling and testing of the digester gas according to any of the following methodologies (Basis: Regulation 1-441):

VI. Permit Conditions

Condition 18860

S-180, Anaerobic Digesters

- a. Draeger Tube Test Method: A Draeger Tube test or a meter using a Draeger H₂S sensor, Part No 680910, or equivalent, demonstrating an H₂S level up to 200 ppmv shall demonstrate compliance with the above limit. An H₂S measurement by Draeger Tube exceeding 200 ppmv shall not be deemed a violation but shall trigger a requirement to demonstrate compliance using either of the following methods b or c.
- b. Portable Instrument Method: A Draeger PAC-III (or equivalent) portable meter with a hydrogen sulfide sensor capable of measuring over 800 ppmv hydrogen sulfide. In the event that sulfide levels exceed 800 ppm, the Permit Holder shall commence to perform a source test using method c, as follows.
- c. Chromatographic Method: The Permit Holder may sample and test for sulfides according to BAAQMD Lab Method 44A (Manual of Procedures, Volume III), or by ASTM Method 5504, or by any other equivalent method, approved in advance by the APCO.

An application for a change of condition to allow an alternative method for sampling and testing of the digester gas for sulfides shall be handled as a minor revision to the Title V Permit.

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

VI. Permit Conditions

Condition 19184: Deleted, AN 18480

Condition 20651

S-55, Hot Water Boiler

S-37, Multi-Fuel Cogeneration Engine #1

S-38, Multi-Fuel Cogeneration Engine #2

S-39, Multi-Fuel Cogeneration Engine #3

Conditions For S-55 Hot Water Boiler (Parts 1 through 5)

1. Boiler S-55 shall be fired only on sewage sludge digester gas. (Basis: Cumulative Increase)
2. Boiler S-55 shall not be operated when more than two of the three cogeneration engines S-37, S-38, or S-39 are operating. (Basis: Cumulative Increase)
3. Boiler Gross Heat Input:
 - a. Deleted 7-2008 (AN 17749)
 - b. S-55: Not to exceed 20.41 million BTU/hr. (Basis: Cumulative Increase)
4. Deleted 7-2008 (AN 17749)
5. NOx and CO emissions from boiler S-55 shall not exceed 30 and 50 ppm, respectively, at 3% oxygen, dry basis. (Basis: BACT)

Conditions Specific to Cogeneration Engine S-38 (Parts 6 through 9)

6. NOx emissions, calculated as NO₂, shall not exceed 1.25 g/hp-hr, except during transient periods or in the event of catastrophic damage to the natural gas fuel supply, when the engine may be fired solely on diesel fuel. If a source test demonstrates nitrogen oxide Emissions greater than 1.0 g/hp-hr, but less than 1.25 g/hp-hr, the operator shall either conduct a second source test to verify the results of the first test, or shut down the engine for necessary maintenance. In the event the retest confirms an emission level greater than 1.0 g/hp-hr, the operator shall immediately shut down the engine for maintenance. (Basis: BACT)
7. The total POC emissions from S-38 shall not exceed 0.6 g/hp-hr, except during transient periods or in the event of catastrophic damage to the natural gas fuel supply, when the engine may be fired solely on diesel fuel.. (Basis: BACT)

VI. Permit Conditions

Condition 20651

S-55, Hot Water Boiler

S-37, Multi-Fuel Cogeneration Engine #1

S-38, Multi-Fuel Cogeneration Engine #2

S-39, Multi-Fuel Cogeneration Engine #3

8. The total CO emissions from S-38 shall not exceed 3.0 g/hp-hr, except during transient periods or in the event of catastrophic damage to the natural gas fuel supply, when the engine may be fired solely on diesel fuel. (Basis: BACT)
9. Filterable particulate emissions from S-38 shall not exceed 0.085 g/hp-hr, except during transient periods or in the event of catastrophic damage to the natural gas fuel supply, when the engine may be fired solely on diesel fuel. (Basis: BACT)

Conditions Specific to Engines S-37 and S-39 (Parts 10 through 11)

10. The total nitrogen oxide emissions from each of the engines S-37 and S-39, shall not exceed 70 ppmvd @ 15% Oxygen. (Basis: Regulation 9-8-302)
11. The total carbon monoxide emissions from each of the engines, S-37 and S-39 shall not exceed 2000 ppmvd @ 15% Oxygen. (Basis: Regulation 9-8-302)

Conditions Specific to Engines S-37, S-38, S-39 (Parts 12 through 15)

12. Cogeneration engines S-37, S-38, and S-39 shall be fired on sewage sludge digester gas, natural gas, or a blend of the two fuels, with a diesel pilot fuel. The engines may be fired solely on diesel fuel only during transient or emergency periods as defined below. (Basis: Cumulative Increase)

Transient Periods are defined as any of the following:

- a. Engine startup and/or engine shutdown.
- b. Post overhaul break-in periods.
- c. Preventative maintenance periods to prevent injector fouling as per engine manufacturer recommendations.

Emergencies are defined as loss of electrical power to the plant combined with a catastrophic damage to or interruption of the natural gas or digester gas fuel supplies to the extent that the engines are unable to continue operation.

13. Total thermal throughput shall not exceed 25MM Btu/hr per engine. (Basis: Cumulative Increase)
14. Total combined hours of operation of engines S-37, S-38, and S-39 shall not exceed 25,316 hours in any rolling 365 day period. (Basis: Cumulative Increase)

VI. Permit Conditions

Condition 20651

S-55, Hot Water Boiler

S-37, Multi-Fuel Cogeneration Engine #1

S-38, Multi-Fuel Cogeneration Engine #2

S-39, Multi-Fuel Cogeneration Engine #3

15. The total diesel fuel fed to engines S-37, S-38, and S-39 combined shall not exceed 150,000 gallons in any rolling 365 day period. (Basis: Cumulative Increase)
16. Deleted 7-2008 (AN 17749)
17. Deleted 10-2006
18. To determine compliance with the above conditions, the Permit Holder shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including the following information:
 - a. Daily records of the hours of operation of engines S-37, S-38, S-39 and boiler S-55.
 - b. Total digester gas, natural gas, and/or diesel consumption for the engines and boiler S-55.
 - c. Records of hours of operation during transient periods with an explanation of the nature of the transient period.
19. The owner/operator shall ensure that an annual performance test is conducted on each engine and the boiler S-55 in accordance with the District test procedures to demonstrate compliance with the applicable emissions limits given above.. The owner/operator 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: Regulation 2-6-409.2)
20. Records associated with the above requirements shall be maintained for a period of at least 5 years from the date of the inspection or test and be available for review by District personnel upon request. (Basis: Regulation 2-6-501)

VI. Permit Conditions

Condition 21663

S-48, GDF G-9008

Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 334,000 gallons in any consecutive 12 month period. (Basis: Toxic Risk Management Policy)

Condition 21759

S-100, Municipal Wastewater Treatment Plant

1. Flowrate
Total wastewater flow shall not exceed 120 million gallons per day on a calendar month average during dry weather periods or 325 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 Permit Holder 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 Permit Holder 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.

VI. Permit Conditions

Condition 21921: Deleted, AN 18480

Condition 21924: Deleted, AN 18480

VI. Permit Conditions

Condition 22820

S-52 Emergency Backup Generator: Diesel Fired, Installed before May 17, 2000

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing. (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(a))
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: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(a))
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (d)(1))
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 6 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10(f) or Regulation 2-6-501)

VI. Permit Conditions

Condition 22820

S-52 Emergency Backup Generator: Diesel Fired, Installed before May 17, 2000

5. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

- a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
- b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(2))

VI. Permit Conditions

Condition 22830

S-50, S-53 Emergency Backup Generators: Diesel Fired, Installed before May 17, 2000

1. The owner/operator shall not exceed 30 hours per year per engine for reliability-related testing. (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(b))
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: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(b))
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (d)(1))
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 6 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (f) or Regulation 2-6-501)

VI. Permit Conditions

Condition 22830

S-50, S-53 Emergency Backup Generators: Diesel Fired, Installed before May 17, 2000

5. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

- a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
- b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(2))

VI. Permit Conditions

Condition 22850

S-51, Emergency Backup Generator: Diesel Fired, Installed before May 17, 2000

S-54, Emergency Backup Generator: Diesel Fired, Installed November 2006

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(2)(b))
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: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(2)(b))
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. (Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (d)(1))
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 6 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10(f) or Regulation 2-6-501)

VI. Permit Conditions

Condition 22850

S-51, Emergency Backup Generator: Diesel Fired, Installed before May 17, 2000

S-54, Emergency Backup Generator: Diesel Fired, Installed November 2006

5. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

- a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
- b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

(Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(2))

VI. Permit Conditions

Condition 24050

S-56, Digester Gas Turbine #1, Solar Mercury 50 ultra-lean premix, recuperative 4.5 MW, 44.5 MM BTU/hour HHV

1. Gas turbine S-56 shall be fired only on S-190 digester gas. (Basis: Cumulative Increase)
2. Total combined heat input to S-56 gas turbine shall not exceed 389,820 MM BTU HHV during any consecutive 12-month period. Until 12-months of operation is reached, the turbine shall be limited to the above BTU limit prorated for the number of months of operation. (Basis: Cumulative Increase)
3. Nitrogen Oxide (NO_x) emissions, calculated as NO₂, from source S-56 shall not exceed 23 ppm (15-minute average), corrected to 15% oxygen and 34,400 lb per turbine during any consecutive 12-month period. Until 12 months of operation is reached, each turbine shall be limited to the above mass limit prorated for the number of months of operation. These limits are applicable during steady state turbine operation and are not applicable during normal transient periods of startup, shutdown, and turbine commissioning. (Basis: BACT, Offsets, Cumulative Increase)
4. Carbon Monoxide (CO) emissions during normal turbine operation, from source S-56 shall not exceed 100 ppm (15-minute average), corrected to 15% oxygen and 92,200 lb per turbine during any consecutive 12-month period. Until 12 months of operation is reached, each turbine shall be limited to the above mass limit prorated for the number of months of operation. These limits are applicable during steady state turbine operation and are not applicable during normal transient periods of startup, shutdown, and turbine commissioning. (Basis: BACT, Cumulative Increase)
5. Sulfur Dioxide (SO₂) emissions from the gas turbine shall not exceed 150 ppmv, dry, corrected to 15% oxygen. The owner or operator may demonstrate compliance with this part by analyzing the exhaust gas of either turbine or by calculating the SO₂ concentration by mass balance based on the digester gas TRS concentration. The owner or operator shall determine and record the turbine SO₂ exhaust concentration at least one time every calendar month. (Basis: 40 CFR Part 60 Subpart GG Section 60.333)
6. The owner or operator shall install and maintain District-approved totalizing digester gas fuel meters on each turbine. (Basis: Cumulative Increase)

VI. Permit Conditions

Condition 24050

S-56, Digester Gas Turbine #1, Solar Mercury 50 ultra-lean premix, recuperative 4.5 MW, 44.5 MM BTU/hour HHV

7. To demonstrate initial compliance with parts 3, 4, and 5, above, the owner or operator shall, within 60 days of initial startup and annually thereafter perform a District-approved compliance source test at multiple loads as specified in 40 CFR 60.335, as applicable. The sample port design and locations shall be approved by the District Source Test Section prior to installation. The annual test shall be performed at a frequency of no sooner than 9 months and no later than 12 months after the previous source test. The annual source test shall be used to determine the following:
 - a. Digester gas flow rate to each turbine (dry basis).
 - b. Digester gas concentrations (dry basis) of carbon dioxide (CO₂), methane, total non-methane organic compounds (NMOC).
 - c. Exhaust gas flow rate from each gas turbine (dry basis).
 - d. Exhaust gas concentrations (dry basis) of NO_x, CO, NMOC, and O₂ in the stack gas.

The source test report shall provide the emissions results for NO_x, CO and NMOC in the following units: ppmv, dry, corrected to 15% oxygen, lb/hour, lb/MM BTU heat input (HHV basis), lb/yr (prorated with actual fuel usage). The source test protocol shall be provided for [Source Test Section] review at least 14 days in advance of the source test date. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 60 days of the test date. (Basis: Cumulative Increase, BACT, Regulation 9-9-301.1, and 40 CFR 60.332(a))

8. To demonstrate ongoing compliance with parts 3 and 4, above, the owner or operator shall measure and record the 15 minute average concentrations of NO_x and CO, corrected to 15% oxygen, dry, from each operating turbine by testing the flue gas with a District-approved hand-held analyzer. This testing shall be performed at a frequency of at least one time per calendar month. When the owner or operator is conducting a single analytic event in a calendar month, the interval between subsequent tests shall be at least 25 days and not more than 35 days. The emissions of NO_x and CO shall be determined by mass balance using the analytic test results in conjunction with the turbine flue gas flow rate. When actual flue gas rate measurements are not available, the owner or operator shall assume 19.94 dscf flue gas per dscf digester gas, corrected to 15% oxygen, dry basis. (Basis: Cumulative Increase)

VI. Permit Conditions

Condition 24050

S-56, Digester Gas Turbine #1, Solar Mercury 50 ultra-lean premix, recuperative 4.5 MW, 44.5 MM BTU/hour HHV

When the owner or operator is conducting multiple tests of NO_x, CO and O₂ emissions, the monthly (15 minute average) concentrations of NO_x and CO shall be determined by averaging the results of the test measurements taken during the course of the month. When actual flue gas flow measurements are not available, the owner or operator shall assume 19.94 dscf flue gas per dscf digester gas, corrected to 15% oxygen, dry basis. (Basis: Cumulative Increase)

9. The owner or operator shall sample, test, and record the digester gas BTU content at least one time per calendar week during turbine operation. If 6 months of data testing indicates digester gas BTU content is within plus or minus 5% of the average, the sampling/testing frequency may be decreased to one time per calendar month, with successive monthly sample dates at least 2 weeks apart. (Basis: Cumulative Increase)
10. The owner or operator shall maintain records and provide all the data necessary to demonstrate compliance with the above parts, including the following information. (Basis: Regulation 1-441)
 - a. Monthly records of the quantity of digester gas (thousand scf) burned at each turbine.
 - b. Monthly records of the total thermal input in BTU.
 - c. Records of all NO_x and CO measurements (ppmvd, at 15% oxygen, and calculated lb/yr, as applicable) as well as all annual source test results.
 - d. All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request.

These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable District Regulations.

VII. APPLICABLE LIMITS AND COMPLIANCE MONITORING REQUIREMENTS

This section has been included only 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), hourly (H), 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 Sections I-VI, the preceding sections take precedence over Section VII.

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-8-302.1	N		≤ 70 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test
NOx	SIP 9-8-302.1	Y		≤ 140 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test
NOx	BAAQMD Condition # 20651; Part 10	N		≤ 70 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test
CO	BAAQMD 9-8-302.3 SIP 9-8-302.3	Y		≤ 2000 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition # 20651, Part 11	Y		≤ 2000 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test
SO ₂	BAAQMD 9-1-301	Y		GLC of: ≤ 0.5 ppm for 3 min, ≤ 0.25 ppm for 60 min, and ≤ 0.05 ppm for 24 hours	None	N	N
SO ₂	BAAQMD 9-1-302	Y		≤ 300 ppm (dry)	BAAQMD Condition # 18860, Part 4	P/W or M	Sulfur Content Testing
Liquid Fuel Sulfur Content	BAAQMD 9-1-304	Y		Sulfur Content of Liquid Fuel: < 0.5% by weight	None	N	N
Opacity	BAAQMD 6-1-303 and SIP 6-303	Y		> Ringelmann 2.0 for no more than 3 min in any hour	N	N	N
FP	BAAQMD 6-1-310 and SIP 6-310	Y		≤ 0.15 grains per dscf	N	N	N
POC	BAAQMD 8-2-301 and SIP 8-2-301	Y		≤ 15 pounds/day or ≤ 300 ppm total carbon concentration	N	N	N

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel Input, Combined to S-37, 38, 39	BAAQMD Condition # 20651, Part 15	Y		≤ 150,000 gallons in any rolling 365 day period	BAAQMD Condition # 20651, Part 18	P/D	Records
Thermal Throughput	BAAQMD Condition # 20651, Part 13	Y		≤ 25 E6 BTU/hour per engine	BAAQMD Condition # 20651, Part 18	P/D	Records
Hours of Operation, S-37, 38, 39 Combined	BAAQMD Condition # 20651, Part 14	Y		≤ 25,316 hours in any rolling 365 day period	BAAQMD Condition # 20651, Part 18	P/D	Records
Idle Time	40 CFR 63.6625(h)	Y	5/3/13	< 30 minutes for start-up	None	N	N/A
Fuel Usage	40 CFR 63.6655(c)	Y	5/3/13	record of daily fuel usage monitors	40 CFR 63.6655(c)	D	Records
Maintenance Events	40 CFR Part 63, Subpart ZZZZ Table 2d 11a	Y	5/3/13	Change Oil and Filter Every 500 hours of operation or annually whichever comes first	40 CFR 63.6655(e)	P/E	Records
Maintenance Events	40 CFR Part 63, Subpart ZZZZ Table 2d 11b	Y	5/3/13	Inspect spark plugs every 1440 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-A
Applicable Limits and Compliance Monitoring Requirements
S-37 Multi-Fuel Cogeneration Engine #1
S-39 Multi-Fuel Cogeneration Engine #3

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Maintenance Events	40 CFR Part 63, Subpart ZZZZ Table 2d 11c	Y	5/3/13	Inspect all hoses and belts every 1440 hours of operation or annually, whichever comes first and replace as necessary	40 CFR 63.6655(e)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S-38 Multi-Fuel Cogeneration Engine #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-8-302.1	N		≤ 70 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test
NOx	SIP 9-8-302.1	Y		≤ 140 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test
NOx	BAAQMD Condition # 20651, Part 6	Y		≤ 1.25 grams per bhp-hr	BAAQMD Condition # 20651, Part 19	P/A	Source test
CO	BAAQMD 9-8-302.3 and SIP 9-8-302.3	Y		≤ 2000 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test
CO	BAAQMD Condition # 20651, Part 8	Y		≤ 3.0 grams per bhp-hr	BAAQMD Condition # 20651, Part 19	P/A	Source test
SO ₂	BAAQMD 9-1-301	Y		GLC of: ≤ 0.5 ppm for 3 min, ≤ 0.25 ppm for 60 min, and ≤ 0.05 ppm for 24 hours	None	N	
SO ₂	BAAQMD 9-1-302	Y		≤ 300 ppm (dry)	None	N	
Liquid Fuel Sulfur Content	BAAQMD 9-1-304	Y		Sulfur content of liquid fuel < 0.5% by weight	None	N	N

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S-38 Multi-Fuel Cogeneration Engine #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 20651, Part 7	Y		≤ 0.6 grams per bhp-hr	BAAQMD Condition # 20651, Part 19	P/A	Source test
Total Carbon	BAAQMD 8-2-301 and SIP 8-2-301	Y		≤ 15 pounds/day or ≤ 300 ppm total carbon concentration	N	N	N
Opacity	BAAQMD 6-1-303 and SIP 6-303	Y		> Ringelmann 2.0 for no more than 3 min in any hour	N	N	N
FP	BAAQMD 6-1-310	Y		≤ 0.15 grains per dscf	N	N	N
PM	BAAQMD Condition # 20651, Part 9	Y		≤ 0.085 grams per bhp-hr	BAAQMD Condition # 20651, Part 19	P/A	Source test
Fuel Input, Combined to S-37, 38, 39	BAAQMD Condition # 20651, Part 15	Y		≤ 150,000 gallons in any rolling 365 day period	BAAQMD Condition # 20651, Part 18	P/D	Records
Thermal Throughput	BAAQMD Condition # 20651, Part 13	Y		≤ 25 E6 BTU/hour per engine	BAAQMD Condition # 20651, Part 18	P/D	Records
Hours of Operation, S-37, 38, 39 Combined	BAAQMD Condition # 20651, Part 14	Y		≤ 25,316 hours in any rolling 365 day period	BAAQMD Condition # 20651, Part 18	P/D	Records
Idle Time	40 CFR 63.6625(h)	Y	5/3/13	< 30 minutes for start-up	None	N	N/A
Fuel Usage	40 CFR 63.6655(c)	Y	5/3/13	record of daily fuel usage monitors	40 CFR 63.6655(c)	D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-B
Applicable Limits and Compliance Monitoring Requirements
S-38 Multi-Fuel Cogeneration Engine #2

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Maintenance Events	40 CFR Part 63, Subpart <i>ZZZZ</i> Table 2d 11a	Y	5/3/13	Change Oil and Filter Every 500 hours of operation or annually whichever comes first	40 CFR 63.6655(e)	P/E	Records
Maintenance Events	40 CFR Part 63, Subpart <i>ZZZZ</i> Table 2d 11a	Y	5/3/13	Inspect spark plugs every 1440 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records
Maintenance Events	40 CFR Part 63, Subpart <i>ZZZZ</i> Table 2d 11a	Y	5/3/13	Inspect all hoses and belts every 1440 hours of operation or annually, whichever comes first and replace as necessary	40 CFR 63.6655(e)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-C
Applicable Limits and Compliance Monitoring Requirements
S-43 Wet Weather Primary Sludge Thickeners (2)
S-45 Aerated Grit Tanks (8)
S-47 Scum Thickening Building

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Total Carbon	BAAQMD 8-2-301 and SIP 8-2-301	Y		≤ 15 pounds/day or ≤ 300 ppm total carbon concentration	None	N	
	BAAQMD Condition # 2409	N		≥ 5 odor complaints within 1 month	BAAQMD Condition # 2409	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-48, GDF #9008

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 8-7-301.10	Y		Equipment certified to recover 98% of gasoline vapors during tank filling	None	N	
Organic Compounds	BAAQMD 8-7-301.2	Y		All Phase I Systems Shall Meet the Emission Limitations of the Applicable CARB Certification	CARB EO G-70-161, CARB EO VR-301-D	P/E	CARB Certification Procedures
Organic Compounds	BAAQMD 8-7-301.5	Y		Maintain Phase I Equipment in compliance with CARB Executive Order	CARB EO G-70-161, CARB EO VR 301-D	P/E	CARB Certification Procedures
Organic Compounds	BAAQMD 8-7-301.6	Y		All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤ 3 drops/minute) and vapor tight	CARB EO G-70-161, paragraph 19 and BAAQMD 8-7-301.13 and 8-7-407 and BAAQMD Condition # 25107, and 40 CFR 63.11120	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Compounds	BAAQMD 8-7-302.2	Y		All Phase II equipment shall be maintained per CARB certifications and manufacturer's specifications	CARB EO G-70-17AD paragraph 4	P/A	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-48, GDF #9008

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 8-7-302.5	Y		All Phase II Equipment (except components with allowable leak rates or at the nozzle/fill-pipe interface) Shall Be: leak free (≤ 3 drops/minute) and vapor tight	CARB EO G-70-52AM and G-70-17 AD, paragraph 4 and BAAQMD 8-7-301.13 and 8-7-407 and BAAQMD Condition # 25107	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Compounds	SIP 8-5-403	Y		Inspection Requirement for Pressure Vacuum Valves- twice per calendar year at 4 to 8 months intervals	SIP 8-5-303	P/E	Semi-Annul Inspection
Defective Component Repair/ Replacement Time Limit	BAAQMD 8-7-302.4	Y		Shall be repaired or replaced within 7 days	BAAQMD 8-7-503.2	P/E	Records
Liquid Removal Rate	BAAQMD 8-7-302.8	Y		≥ 5 ml per gallon dispensed, when dispensing rate > 5 gallons/minute	CARB EO G-17AD	P/E	CARB Certification Procedures
Liquid Retain from Nozzles	BAAQMD 8-7-302.12	Y		≤ 100 ml per 1000 gallons dispensed	CARB EO G-17AD	P/E	CARB Certification Procedures
Nozzle Spitting	BAAQMD 8-7-302.13	Y		≤ 1.0 ml per nozzle per test	CARB EO G-17AD	P/E	CARB Certification Procedures

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-48, GDF #9008

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Back Pressure Test	BAAQMD 8-7-302.14	Y		Back Pressure Test Required once every 12 months	CARB EO G-17AD, and BAAQMD 8-7-601	P/A	CARB Certification Procedures, BAAQMD Manual of Procedures St-27
Pressure Vacuum Valve Requirements	BAAQMD 8-7-316 and CARB EO G-70-161, paragraph 14,	Y		Pressure Settings: > 2.5 inches of water column gauge	CARB EO-161 paragraph 14, CARB EO VR-301-D	P/E	CARB Certification Procedures
Inspection Frequency	SIP 8-5-303.1 and 303.2	Y		Tank Pressure Vacuum Valve Shall Be: Gas Tight or ≤ 500 ppmv (expressed as methane) above background for PRVs (as defined in SIP 8-5-206)	SIP 8-5-403 and 8-5-503, and CARB EO G-70-161, CARB EO VR-301-D,	P/E	Semi-Annual Inspection with Portable Hydro-carbon Detector
Inspection Frequency	SIP 8-5-403	Y		Inspection Requirement for Pressure Vacuum Valves- twice per calendar year at 4 to 8 months intervals	SIP-8-5-303	P/E	Semi-Annual Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-D
Applicable Limits and Compliance Monitoring Requirements
S-48, GDF #9008

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Dispensing Rate Limit	CARB EO G-70-17AD, paragraph 11	N		< 10 gallons per minute	CARB EO G-70-17AD	P/E	CARB Certification Procedures
Disconnect on Liquid Leaks	CARB EO G-70-160, paragraph 12			≤ 10 ml per disconnect, averaged over 3 disconnect operations	CARB EO G-70-161, paragraph 19 and BAAQMD 8-7-301.13 and 8-7-407 and BAAQMD Condition # 25107	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Submerged fill pipes	40 CFR 63.11117 (b)(1)	Y		Submerged fill pipes installed on or after November 9, 2006 must be no more than 12 inches from the bottom of the tank	40 CFR 63.11117 (b)(1)	None	None
Gasoline Throughput	BAAQMD Condition # 21663 and 40 CFR 63.11117 (d)	Y		Gasoline throughput shall not exceed 334,000 gallons per year	BAAQMD 8-7-503.1	P/A	Records
Phase I Pressure Integrity Test	BAAQMD Condition # 25107, and 40 CFR 63.11120	Y		Annual pressure decay (ST-38) test	BAAQMD 8-7-407	P/A	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- E
Applicable Limits and Compliance Monitoring Requirements
S-50, Diesel Engine, Detroit Diesel, 1043731616, 238 HP
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG< Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 hp

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO ₂	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 min. and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours	None	N	NA
Liquid Fuel Sulfur Content	BAAQMD 9-1-304	Y		< 0.5% by weight	CCR Title 13, Section 2281 (a) (2 and 5), CCR Title 17, Sections 93115.5 and 93115.10	P/E	CARB Diesel Fuel Sulfur Content Limits, Sales Restrictions, Usage Requirements and Records
Liquid Fuel Sulfur Content	CCR Title 17 93115.5(b) and CCR Title 13, Section 2281(a) (2 and 5)	N		Standby Engines must use CARB Diesel Fuel or other CARB Approved Alternative Standby Engines must use CARB Diesel Fuel or other CARB Approved Alternative Fuel, which has Fuel Sulfur Limits of: ≤ 15 ppmw of S	.CCR Title 17, Sections 93115.5 and 93115.10(f) (1)	P/M	Vendor fuel certification, Monthly CARB Diesel Fuel Sulfur Content Limits, Sales Restrictions, Usage Requirements, and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- E
Applicable Limits and Compliance Monitoring Requirements
S-50, Diesel Engine, Detroit Diesel, 1043731616, 238 HP
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG< Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 hp

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303 and SIP 6-303	Y		> Ringelmann 2.0 for no more than 3 min in any hour	None	N	NA
FP	BAAQMD 6-1-310 and SIP 6-310	Y		≤0.15 grains per dscf	None	N	NA
Hours of Operation	BAAQMD Condition # 22820, Part 1 CCR Title 17 93115.6(b) (3)(A)(1)(a)	N		For S-52: reliability-related activities not to exceed 20 hours in any consecutive 12-month period	BAAQMD Condition # 22820, Parts 3-4 CCR Title 17 93115.10(d)(1) and (f)(1)	C & P/M	Hour Meter and Records
Hours of Operation	BAAQMD Condition # 22830, Part 1 CCR Title 17 93115.6(b) (3)(A)(1)(b)	N		For S-50 and S-53: reliability-related activities not to exceed 30 hours in any consecutive 12-month period	BAAQMD Condition # 22820, Parts 3-4 CCR Title 17 93115.10(d)(1) and (f)(1)	C & P/M	Hour Meter and Records
Hours of Operation	BAAQMD Condition # 22850, Part 1 CCR Title 17 93115.6(b) (3)(A)(2)(b)	N		For S-51: reliability-related activities not to exceed 50 hours in any consecutive 12-month period	BAAQMD Condition # 22820, Parts 3-4 CCR Title 17 93115.10(d)(1) and (f)(1)	C & P/M	Hour Meter and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- E
Applicable Limits and Compliance Monitoring Requirements
S-50, Diesel Engine, Detroit Diesel, 1043731616, 238 HP
S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
S-52 Diesel Engine BUG< Generac, 280 hp
S-53 Diesel Engine BUG, S/N 44852080, 277 hp

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	BAAQMD 9-8-330.2	N		Operating Hours for Reliability-Related Activities: ≤ 100 hours in a calendar year	BAAQMD 9-8-530 and BAAQMD Conditions # 22830 and # 22850, Parts 3-4	C & P/M	Hour Meter and Records
Hours of Operation	BAAQMD 9-8-330.3	N		Operating Hours for Reliability-Related Activities: ≤ 50 hours in a calendar year	BAAQMD 9-8-530 and BAAQMD Condition # 22830 and # 22850 Parts 3-4	C & P/M	Hour Meter and Records
Hours of Operation	40 CFR 63.6640 (f)(1)(ii)	Y	5/3/13	Operating Hours for Maintenance Checks, Readiness Testing, and Other Non-Emergency Operation: ≤ 100 hours in a calendar year	40 CFR 63.6625(f) and 63.6655(f)(2)	C & P/M	Hour Meter and Records
Hours of Operation	40 CFR 63.6640 (f)(1)(iii)	Y	5/3/13	Operating Hours for Non-Emergency Operation: ≤ 50 hours in a calendar year	40 CFR 63.6625(f) and 63.6655(f)(2)	C & P/M	Hour Meter and Records
Idle Time	40 CFR 63.6625(h)	Y	5/3/13	≤ 30 minutes for start-up	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII- E
 Applicable Limits and Compliance Monitoring Requirements
 S-50, Diesel Engine, Detroit Diesel, 1043731616, 238 HP
 S-51 Diesel Engine BUG, Generac 440FER8212GGW, 268 hp
 S-52 Diesel Engine BUG< Generac, 280 hp
 S-53 Diesel Engine BUG, S/N 44852080, 277 hp**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Main-tenance Events	40 CFR, Part 63, Subpart ZZZZ, Table 2d 4.a.	Y	5/3/13	Change Oil and Filter: Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records
Main-tenance Events	40 CFR, Part 63, Subpart ZZZZ, Table 2d 4.b.	Y	5/3/13	Inspect Air Cleaner: Every 1,000 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records
Main-tenance Events	40 CFR, Part 63, Subpart ZZZZ, Table 2d 4.c.	Y	5/3/13	Inspect Hoses and Belts and (if necessary) Replace Hoses and Belts: Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- F
Applicable Limits and Compliance Monitoring Requirements
S-54 Diesel Engine BUG, Caterpillar 3412B, 1114 hp

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO ₂	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 min. and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours	None	N	NA
Liquid Fuel Sulfur Content	BAAQMD9 -1-304	Y		$\leq 0.5\%$ by weight	CCR Title 13, Section 2281 (a) (2 and 5), CCR Title 17, Sections 93115.5 and 93115.10	P/E	CARB Diesel Fuel Sulfur content Limits, Sales Restrictions, Usage
Liquid Fuel Sulfur Content	CCR Title 17 93115.5(b) and CCR Title 13, Section 2281(a) (2 and 5)	N		Standby Engines must use CARB Diesel Fuel or other CARB Approved Alternative Standby Engines must use CARB Diesel Fuel or other CARB Approved Alternative Fuel, which has Fuel Sulfur Limits of: ≤ 15 ppmw of S	CCR Title 17 Sections 93115.5 and 93115.10(f) (1)	P/E	CARB Diesel Fuel Sulfur Content Limits, Sales Restrictions, Usage Requirements, and Vendor fuel certification, Monthly Records
Opacity	BAAQMD 6-1-303 and SIP 6-303	Y		$>$ Ringelmann 2.0 for no more than 3 min in any hour	None	N	NA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- F
Applicable Limits and Compliance Monitoring Requirements
S-54 Diesel Engine BUG, Caterpillar 3412B, 1114 hp

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-310 and SIP 6-310	Y		≤ 0.15 grains per dscf	None	N	NA
Hours of Operation	BAAQMD Condition # 22850, Part 1 and CCR Title 17 93115.6(b) (3)(A)(2) (b)	N		reliability-related activities not to exceed 50 hours in any consecutive 12-month period	BAAQMD Cond.22850, parts 3-4 CCR Title 17 93115.10(d)(1) and (f) (1)	P/M	Hour Meter and Records
Hours of Operation	BAAQMD 9-8-330.2	N		Operating Hours for Reliability-Related Activities: ≤ 100 hours in a calendar year	BAAQMD 9-8-530 and BAAQMD Condition # 22850, Parts 3-4	C & P/M	Hour Meter and Records
Hours of Operation	BAAQMD 9-8-330.3	N		Operating Hours for Reliability-Related Activities: ≤ 50 hours in a calendar year	BAAQMD 9-8-530 and BAAQMD Condition #22850 Parts 3-4	C & P/M	Hour Meter and Records
Hours of Operation	40 CFR 63.6640 (f)(1)(ii)	Y	5/3/13	Operating Hours for Maintenance Checks, Readiness Testing, and Other Non-Emergency Operation: ≤ 100 hours in a calendar year	40 CFR 63.6625(f) and 63.6655(f)(2)	C & P/M	Hour Meter and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- F
Applicable Limits and Compliance Monitoring Requirements
S-54 Diesel Engine BUG, Caterpillar 3412B, 1114 hp

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	40 CFR 63.6640 (f)(l)(iii)	Y	5/3/13	Operating Hours for Non-Emergency Operation: ≤ 50 hours in a calendar year	40 CFR 63.6625(f) and 63.6655(f)(2)	C & P/M	Hour Meter and Records
Idle Time	40 CFR 63.6625(h)	Y	5/3/13	≤ 30 minutes for start-up	None	N	NA
Maintenance Events	40 CFR, Part 63, Subpart ZZZZ, Table 2d 4.a.	Y	5/3/13	Change Oil and Filter: Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records
Maintenance Events	40 CFR, Part 63, Subpart ZZZZ, Table 2d 4.b	Y	5/3/13	Inspect Air Cleaner: Every 1,000 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records
Maintenance Events	40 CFR, Part 63, Subpart ZZZZ, Table 2d 4.c	Y	5/3/13	Inspect Hoses and Belts and (if necessary) Replace Hoses and Belts: Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-G
 Applicable Limits and Compliance Monitoring Requirements
 S-55 Hot Water Boiler**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-7-301.1 and SIP 9-7-301.1	Y		≤ 30 ppm @ 3% O ₂ , dry	BAAQMD 9-7-403 and SIP 9-7-403	N	Initial source test
NOx	BAAQMD 9-7-307.7	N		≤ 30 ppm @ 3% O ₂ , dry	None	N	N
NOx	BAAQMD Condition # 20651, Part 5	Y		≤ 30 ppm @ 3% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test
NOx	BAAQMD 9-7-307.7	N		≤ 30 ppm @ 3% O ₂ , dry	N	N	N
Insulation Requirements	BAAQMD 9-7-311	N		all pipes and ducts heated by device does not exceed 120 °F	N	N	N
Stack Gas Temperature	BAAQMD 9-7-312	N	1/1/2013	100 °F over saturated steam temperature	N	N	N
CO	BAAQMD 9-7-301.4 and SIP 9-7-301.2	Y		≤ 400 ppm @ 3% O ₂ , dry	BAAQMD 9-7-403 and SIP 9-7-403	N	Initial source test
CO	BAAQMD 9-7-307.7	N		≤ 400 ppm @ 3% O ₂ , dry	N	N	N
CO	BAAQMD Condition # 20651, Part 5	Y		≤ 50 ppm @ 3% O ₂ , dry	BAAQMD Condition # 20651, Part 19	P/A	Source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-G
Applicable Limits and Compliance Monitoring Requirements
S-55 Hot Water Boiler

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 min. and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours	None	N	N
SO2	BAAQMD 9-1-302	Y		≤ 300 ppm (dry)	BAAQMD Condition # 18860, Part 4	P/W	Fuel Sulfur Content
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		> Ringelmann 1.0 for no more than 3 min in any hour	N	N	N
FP	BAAQMD 6-1-310 and SIP 6-310	Y		≤ 0.15 grains per dscf at 6% Oxygen	N	N	N
Organic Compounds	BAAQMD 8-2-301 and SIP 8-2-301	Y		≤ 15 pounds/day or ≤ 300 ppm total carbon concentration	N	N	N
Heat Input Rate	BAAQMD Condition # 20651, Part 3b	N		≤ 20.41 E6 BTU per hour	BAAQMD Condition # 20651, Part 18	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- H
Applicable Limits and Compliance Monitoring Requirements
S-56: Digester Gas Turbine #1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-9-301.1.1 and SIP 9-9-301.1	Y		≤ 42 ppmv @ 15% O ₂ , dry	BAAQMD 9-9-504	P/A	Source test
NOx	BAAQMD 9-9-301.2	N		≤ 2.53 pounds per MW-hour or ≤ 50 ppmv @ 15% O ₂ , dry	BAAQMD 9-9-504	P/A	Source test
NOx	BAAQMD Condition # 24050, Part 3	Y		≤ 23 ppmv @ 15% O ₂ , dry and 34,400 pounds/year per turbine (excluding startup, shutdown, and commissioning)	BAAQMD Condition # 24050, Part 7	P/A	Source test
CO	BAAQMD Condition # 24050, Part 4	Y		≤ 100 ppmv @ 15% O ₂ , dry and ≤ 92,200 pounds/year per turbine (excluding startup, shutdown, and commissioning)	BAAQMD Condition # 24050, Part 7	P/A	Source test
SO ₂	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 min. and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours	None	N	N

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- H
Applicable Limits and Compliance Monitoring Requirements
S-56: Digester Gas Turbine #1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-302	Y		≤ 300 ppm (dry)	BAAQMD Condition # 18860, Part 4	P/W	Fuel Sulfur Content
Liquid Fuel Sulfur Content	BAAQMD 9-1-304	Y		≤ 0.5% S by weight	CCR Title 13, Section 2281 (a) (2 and 5)	P/E	CARB Diesel Fuel Sulfur Content Limits, Sales Restrictions, Usage
SO2	BAAQMD Condition # 24050, Part 5	Y		150 ppmv @ 15% O ₂ , dry	BAAQMD Condition # 24050, Part 7	P/A	Source test
SO2	40 CFR, Subpart GG, 60.333(a)	Y		≤ 0.015% @ 15% O ₂ , dry	40 CFR, Subpart GG, 60.334(h) and BAAQMD Condition # 18860, Part 4	P/W	Fuel Sulfur Content
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		> Ringelmann 1.0 for no more than 3 min in any hour	N	N	N
FP	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 grains per dscf at 6% Oxygen	N	N	N
Total Carbon	BAAQMD 8-2-301	Y		≤ 15 pounds/day or ≤ 300 ppm total carbon concentration	N	N	N

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII- H
Applicable Limits and Compliance Monitoring Requirements
S-56: Digester Gas Turbine #1

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel Usage	BAAQMD Condition # 24050, Part 2	Y		$\leq 389,820 \text{ E6 BTU}$ per year	BAAQMD Condition # 24050, Parts 7 and 9	P/A, W	Digester gas flow rate, BTU content

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-I
Applicable Limits and Compliance Monitoring Requirements
S-100, Municipal Wastewater Treatment Plant

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Wastewater Throughput	Condition # 21759, Part 1	Y		During Dry Weather Periods: \leq 120 million gallons per day (monthly average) and During Wet Weather Periods: \leq 325 million gallons per day (monthly average)	BAAQMD Condition # 21759, Part 3	P/D	Records
Total Carbon	BAAQMD 8-2-301 and SIP 8-2-301	Y		\leq 15 pounds/day of total carbon or \leq 300 ppm of total carbon concentration	N	N	N

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-J
Applicable Limits and Compliance Monitoring Requirements
S-110 Headworks; IPS; Barscreens
S-120 Primary Treatment; 16 Sedimentation Tanks
S-130 Secondary Treatment; 8 HPO Activated Sludge Units C/V
S-140 Secondary Clarifiers; 12 Clarifiers
S-160 Disinfection, Chlorination Contact Tanks, Non-ducted
S-170 Sludge Handling, 3 WAS GBTs, 6 Dewatering Centrifuges

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Total Carbon	BAAQMD 8-2-301 and SIP 8-2-301	Y		≤ 15 pounds/day of total carbon or ≤ 300 ppm of total carbon concentration	N	N	N

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-K
Applicable Limits and Compliance Monitoring Requirements
S-180 Anaerobic Digesters; 10 Floating Cover , 1 Dystor

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Total Carbon	BAAQMD 8-2-301 and SIP 8-2-301	Y		≤ 15 pounds/day of total carbon or ≤ 300 ppm of total carbon concentration	None	N	N
H2S	BAAQMD 9-2-301	Y		Property Line Ground Level Limits: ≤ 0.06 ppmv during any 24 hour period and ≤ 0.03 ppmv during any 60 minute period	None	N	N
Total Sulfur	BAAQMD Condition # 18860, Part 3	N		≤ 340 ppmv in digester gas	BAAQMD Condition # 18860, Part 4	P/W	Fuel Sulfur Content
None	None	N		None	BAAQMD Condition # 18860, Part 2	P/M	Digester Tank Visual Inspection

VIII. TEST METHODS

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

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301 and SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions, or US EPA Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources
BAAQMD 6-1-303.1 and SIP 6-303.1	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions, or US EPA Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources
BAAQMD 6-1-310 and SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or For combustion equipment: US EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 8-2-301 and SIP 8-2-301	Total Organic Compound (TOC) Emission Limitation for Miscellaneous Operation	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Reference Method 25 Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Reference Method 2 or 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-7-301.2	Gasoline Vapor Recovery	BAAQMD Manual of Procedures, Volume IV, ST-36 or as prescribed by CARB Test Procedure TP-201.1
BAAQMD 8-7-301.6	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.8	Gasoline Vapor Recovery-Phase II - Liquid Removal Requirements	Manual of Procedures, Volume IV, ST-37, GDF Liquid Removal Devices or ARB Test Method TP-201.6 Determination of Liquid Removal of Vapor Recovery Systems of Dispensing Facilities
BAAQMD 8-7-302.12	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet)

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-7-302.13	Nozzle Spitting	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet)
BAAQMD 9-1-302	General Emission Limitation (SO ₂)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or
BAAQMD 9-1-304	Liquid Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10A, Determination of Sulfur in Petroleum and Petroleum Products or ASTM D2622-94 or CARB Approved Equivalent
BAAQMD 9-7-304.1	Limit on Stack-Gas Oxygen Concentration	Manual of Procedures, Volume IV, ST-14, Continuous Sampling
BAAQMD 9-8-302.1	Waste Derived Fuel Gas, NO _x Limits for Lean Burn Engines	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling 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 9-9-301	NO _x Emissions Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling For compliance with output based emissions standards, see procedure in BAAQMD Regulation 9-9-605.
BAAQMD 9-9-604	Determination of HHV and LHV (gaseous fuels)	ASTM 1826-88 or ASTM 1945-81 in conjunction with ASTM D3588-89
40 CFR, 60.333(a,b)	Fuel Sulfur Limit (gaseous fuel) SO ₂ Limits	ASTM D 1072-80, Standard Method for Total Sulfur in Fuel Gases ASTM D 3031-81, Standard Test Method for Total Sulfur in Natural Gas by Hydrogenation
BAAQMD Condition # 18860, Part 3	Digester Gas Total Sulfur	Manual of Procedures, Volume III, Method 44 or ASTM Method D5504
BAAQMD Condition # 20651 Part 5	NO _x and CO Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 20651 Part 6	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 20651 Part 8	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 20651 Part 10	NOx Limits	BAAQMD MOP Volume IV, ST-13A Oxides of Nitrogen, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 20651 Part 11	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 24050 Part 3	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 24050 Part 4	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 24050 Part 5	SO2 Limits	ASTM D 1072-80, Standard Method for Total Sulfur in Fuel Gases ASTM D 3031-81, Standard Test Method for Total Sulfur in Natural Gas by Hydrogenation
CARB EO G-70-161	Leak Free Emergency Vent	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks or California Air Resources Board Methods 2-6 "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" (May 1, 1982) incorporated by reference in Title 17 CCR Section 94007

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
CARB EO G-70-161	Disconnection Liquid Leaks for Phase I Systems	BAAQMD Enforcement Division, Policies and Procedures, Regulation 8, Rule 33, Bulk Gasoline Distribution Facilities and Gasoline Delivery Vehicles Guidelines, Section 5.B.1.
CARB EO VR-301-D	Standing Loss Control Vapor Recovery System for AGT	California Air Resources Board Vapor Recovery Test Procedure TP-206.1- Determination of Emission Factor for Standing Loss Vapor Recovery Systems Using Temperature Attenuation Factor at Gasoline dispensing Facilities with Aboveground Storage Tanks (May 2, 2008)
40 CFR Part 63 Subpart A 60.8 Performance Test	NESHAP for Gasoline Dispensing Facilities (1/24/11)	2) California Air Resources Board Vapor Recovery Test Procedure TP-201.1E—"Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves," adopted October 8, 2003, IBR approved for §63.11120(a)(1)(i). (3) California Air Resources Board Vapor Recovery Test Procedure TP-201.3—"Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities," adopted April 12, 1996 and amended March 17, 1999, IBR approved for §63.11120(a)(2)(i). Bay Area Air Quality Management District Source Test Procedure ST-30—Static Pressure Integrity Test—Underground Storage Tanks, adopted November 30, 1983, and amended December 21, 1994 (incorporated by reference, <i>see</i> §63.14).
40 CFR Part 63 Subpart ZZZZ Table 4	NESHAP for Stationary Reciprocating Internal Combustion Engines	ASTM D6522-00 (Reapproved 2005), Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers, approved October 1, 2005, IBR approved for table 4 to subpart ZZZZ of this part, table 5 to subpart DDDDD of this part, and table 4 to subpart JJJJJ of this part.
40 CFR Part 60.333(a)	SO2 Volumetric Emission Limit	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
40 CFR Part 60.8	40 CFR Part 60 Appendix A	EPA Method 7,-Determination of Nitrogen Oxide Emissions from Stationary Sources EPA Method 20-Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines

IX. PERMIT SHIELD

Not applicable

X. REVISION HISTORY

Initial Issuance:	July 1, 1997
Minor Modification (Application # 1209, 1068, 27693)	November 9, 2000
Minor Modification (Application # 10353, 10237): <ul style="list-style-type: none">• Removal of underground tank,• Installation of aboveground tank	July 14, 2004
Renewal (Application # 3926):	July 26, 2005
Minor Revision (Application # 18480):	December 28, 2010
Permit Renewal (Application # 21441) <ul style="list-style-type: none">• Add and revise text in Section I, II, III, IV, VII, and VIII to conform to current standard text.• Remove source that have been shut down from Table II-A (S-57), and sources that are exempt from permitting (S-49 portable diesel engine), delete the associated tables (Tables IV-E, VII-E), and delete the associated conditions (Condition #19058). Added Table II- C, Exempt Equipment, and placed source S-49 in this category.• In Table II-A, changed description of S-52 from portable to stationary as the facility hardwired the engine.• Table II-A made correction to capacity of engines from 19.8 MM BTU/hr to 25 MM BTU/hr for sources S-37, S-38 and S-39.• Table II-A added a description of tank for S-48.• Renumber Table IV- E-N and Tables VII- E-M as Tables IV- E-M and Tables VII- E-K.• Correct and update regulatory references and amendment dates throughout the permit.• Add several missing BAAQMD and federal regulations to Table III, and add several new California regulations to Table III.• Incorporate changes to SIP Regulation 6 and BAAQMD Regulation 6, Rule 1 in Table VII- A and B.• Throughout the permit, replace condition bases citing the Toxic Risk Management Policy (TRMP) with the appropriate regulatory citation from BAAQMD Regulation 2, Rule 5, which was adopted in 2005 and amended in 2010.	December 19, 2012

X. Revision History

- For sources S-50, S-51, S-52, S-53 and S-54 Diesel Engine for Emergency Back-Up Generator, add the exemption in BAAQMD Regulation 8-1-110.2 to Tables IV-E and F to clarify that this diesel engine is exempt from other Regulation 8 requirements. In Tables IV-E and F and VII-E and F, add the new and future requirements for emergency engines identified in the 2007 amendments to BAAQMD Regulation 9, Rule 8. Also in Tables IV-E and F, VII-E and F, and VIII, add the applicable NESHAP requirements for this stationary RICE engine (40 CFR, Part 63, Subpart ZZZZ) and the applicable ATCM requirements for this stationary emergency engine (CCC, Title 17, Section 931115). Replace Condition #19040 with Condition #22830 and replace Condition #22477 with Condition #22850, added Condition # 22820 for S-52.
- For the S-48 Non-Retail Gasoline Dispensing Facility # 9008, incorporate the 2006 amendments to Regulation 8, Rule 5 into Tables IV-D, VII-D, and VIII. These amendments exempt the above-ground gasoline storage tank associated with S-48 from BAAQMD Regulation 8, Rule 5; however, this tank is still subject to SIP Regulation 8, Rule 5. Under Condition #16516 this condition was deleted and replaced with Condition #25107 for S-48,
- In Table IV-D and Table IV VII-D, add the applicable NESHAP requirements for this gasoline dispensing facility (40 CFR, Part 63, Subpart CCCCCC)
- In Table IV-D and Table VII-D added CARB Executive Order G-70-17AD, CARB Executive Order G-70-52AM, CARB Executive Order G-70-161 and CARB Executive Order VR-301-D.
- In Part VI, deleted Condition #19058 for sources S-49 and S-52, for S-48 deleted Condition #16516 and replaced it with Condition #25107 (both these conditions for S-48 were the same)
- In Table IV-H and Table VII-H- added 40 CR Part 60 Subpart GG-standards of performance for stationary gas turbines.
- In Part VI, for sources S-50 and S-53 replaced Condition #19040 with Condition #22830.
- In Part VI, for source S-52 added Condition # 22820.
- In Part VI, for source S-51 replaced condition #19040 with Condition #22850. Deleted Condition # 19040 for sources S-50, S-51 and S-53.
- In Part VI, removed S-57 from Condition #24050 and made minor changes to reflect only one turbine engine for this condition.
- In Part VI, removed S-57 from Condition # 18860.

X. Revision History

- In Part VI, deleted source S-57 along with its condition, as facility never installed source.
- In Part VI, deleted Condition #24733 for S-54 and replaced it with Condition #22850 as the District desires to retain consistency in conditions for diesel engines.
- In Part VI of Condition #20651, Part 10, changed 140 to 70 to reflect current condition requirements of Regulation 9-8-302.
- In Part VI of Condition #20651, Part 13, made correction for thermal throughput from 19.8 to 25 as per A/N 17749 stated that this was a typo.
- In Tables VII-A and B made correction of thermal throughput from 19.8 to 25 MM BTU/hr.
- Add symbols to Tables VII-A through VII-G to clarify limits.
- Add, corrected items to Tables VII-A through J.
- In Tables VII-E added hours of operation to source S-52 and added Source S-52 to Table VII-E.
- In Tables IV-A, IV-B, IV-G and IV-H, Condition # 18860 was added to sources S-37, S-38, S-39, S-55 and S-56.
- For Table VIII, add missing test methods for existing requirements, add test methods for all new limits, and remove obsolete or unnecessary test methods.
- Add this permit renewal to the Section X Revision History.
- Add terms to the Section XI Glossary.

XI. GLOSSARY

ACT

Federal Clean Air Act

AP-42

An EPA Document “Compilation of Air Pollution Emission Factors” that is used to estimate emissions from numerous source types. It is available electronically from EPA’s web site at: <http://www.epa.gov/ttn/chief/ap42/index.html>

APCO

Air Pollution Control Officer: Head of Bay Area Air Quality Management District

API

American Petroleum Institute

ARB

Air Resources Board

ASTM

American Society for Testing and Materials

ATCM

Airborne Toxic Control Measure

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

Basis

The underlying authority which allows the District to impose requirements.

C1

An organic chemical compound with one carbon atom, for example: methane

C3

An organic chemical compound with three carbon atoms, for example: propane

XI. Glossary

C5

An organic chemical compound with five carbon atoms, for example: pentane

C6

An organic chemical compound with six carbon atoms, for example: hexane

C₆H₆

Benzene

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CAM

Compliance Assurance Monitoring per 40 CFR Part 64

CAPCOA

California Air Pollution Control Officers Association

CARB

California Air Resources Board (same as ARB)

CCR

The California Code of Regulations

CEC

California Energy Commission

CEQA

California Environmental Quality Act

CEM

A “continuous emission monitor” is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NO_x concentration) in an exhaust stream. **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.

XI. Glossary

CH₄ or CH₄

Methane

CI

Compression Ignition

CIWMB

California Integrated Waste Management Board

CO

Carbon Monoxide

CO₂ or CO₂

Carbon Dioxide **CO₂e**

Carbon Dioxide Equivalent. A carbon dioxide equivalent emission rate is the emission rate of a greenhouse gas compound that has been adjusted by multiplying the mass emission rate by the global warming potential of the greenhouse gas compound. These adjusted emission rates for individual compounds are typically summed together, and the total is also referred to as the carbon dioxide equivalent (CO₂e) emission rate.

CT

Combustion Zone Temperature

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

E6, E9, E12

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53E6 equals $(4.53) \times (10^6) = (4.53) \times (10 \times 10 \times 10 \times 10 \times 10 \times 10) = 4,530,000$. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EG

Emission Guidelines

EO

Executive Order

XI. Glossary

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

FE, Federally Enforceable,

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations 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.

FR

Federal Register

GDF

Gasoline Dispensing Facility

GHG

Greenhouse Gas

GLC

Ground Level Concentration

GLM

Ground Level Monitor

Grains

1/7000 of a pound

GRS

Gas Recovery Systems, Inc.

GWP

Global Warming Potential. A comparison of the ability of each greenhouse gas to trap heat in the atmosphere relative to that of carbon dioxide over a specific time period.

XI. Glossary

H₂S or H₂S

Hydrogen Sulfide

H₂SO₄ or H₂SO₄

Sulfuric Acid

H&SC

Health and Safety Code

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.

Hg

Mercury

HHV

Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60 °F and all water vapor is condensed to liquid.

LEA

Local Enforcement Agency

LFG

Landfill gas

LHV

Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60°F.

Long ton

2200 pounds

Major Facility

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

MAX or Max.

Maximum

XI. Glossary

MFR

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

MIN or Min.

Minimum

MOP

The District's Manual of Procedures.

MSDS

Material Safety Data Sheet

MSW

Municipal solid waste

MW

Molecular weight

N2 or N₂

Nitrogen

NA

Not Applicable

NAAQS

National Ambient Air Quality Standards

NESHAPs

National Emission Standards for Hazardous Air Pollutants. See 40 CFR Part 61.

NMHC

Non-methane Hydrocarbons

NMOC

Non-methane Organic Compounds (Same as NMHC)

NO₂

Nitrogen Dioxide

NO_x

Oxides of nitrogen.

XI. Glossary

NSPS

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

NSR

New Source Review. A federal program for preconstruction review and permitting of new and modified sources of air pollutants for which criteria have been established in accordance with Section 109 of the Federal Clean Air Act. Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O₂ or O₂

Oxygen

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source. Applies to emissions of POC, NO_x, 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.

PERP

Portable Equipment Registration Program

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 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.

XI. Glossary

PTE

Potential to Emit as defined by BAAQMD Regulation 2-6-218

PV or P/V Valve or PRV

Pressure / Vacuum Relief Valve

RICE

Reciprocating Internal Combustion Engine

RMP

Risk Management Plan, as defined in 40 CFR Part 68.

RWQCB

Regional Water Quality Control Board

S

Sulfur

SCR

A “selective catalytic reduction” unit is an abatement device that reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates within a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

Short ton

2000 pounds

SIP

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

SO₂ or SO₂

Sulfur dioxide

SO₃ or SO₃

Sulfur trioxide

SSM

Startup, Shutdown, or Malfunction

XI. Glossary

SSM Plan

A plan, which states the procedures that will be followed during a startup, shutdown, or malfunction, that is prepared in accordance with the general NESHAP provisions (40 CFR Part 63, Subpart A) and maintained on site at the facility.

TAC

Toxic Air Contaminant

TBACT

Best Available Control Technology for Toxics

THC

Total Hydrocarbons (NMHC + Methane)

therm

100,000 British Thermal Units

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)

TPH

Total Petroleum Hydrocarbons

TRMP

Toxic Risk Management Plan

TSP

Total Suspended Particulate

TSP

Total Suspended Particulate

TVP

True Vapor Pressure

VOC

Volatile Organic Compounds

VMT

Vehicle Miles Traveled

XI. Glossary

Symbols:

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

Units of Measure:

atm	=	atmospheres
bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
Btu	=	British Thermal Unit
°C	=	degrees Centigrade
cfm	=	cubic feet per minute
dscf	=	dry standard cubic feet
°F	=	degrees Fahrenheit
ft ³	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
gr	=	grains
hp	=	horsepower
hr	=	hour
in	=	inches
kW	=	kilowatt
lb	=	pound
in	=	inches
lbmole	=	pound-mole
max	=	maximum
m ²	=	square meter
m ³	=	cubic meters
min	=	minute
MM	=	million
MM BTU	=	million BTU
MMcf	=	million cubic feet
Mg	=	mega grams
M scf	=	one thousand standard cubic feet
MW	=	megawatts
ppb	=	parts per billion
ppbv	=	parts per billion, by volume
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight

XI. Glossary

psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard dry cubic feet
scfm	=	standard cubic feet per minute
yd	=	yard
yd ³	=	cubic yards
yr	=	year