

Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

**Central Contra Costa Sanitary District
Facility # A0907**

Facility Address:

5019 Imhoff Place
Martinez, CA 94553-4392

Mailing Address:

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Responsible Official

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Type of Facility: Municipal Wastewater Treatment Facility BAAQMD Engineering Division Contact
Brenda Cabral

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

March 12, 2015
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 8/27/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 3/4/09);
- SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 2/25/99);
- 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 2/25/99);
- BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04); and
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 2/25/99).
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on March 12, 2015 and expires on March 11, 2020. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than September 11, 2019 and no earlier than March 11, 2019. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after March 11, 2020.** If the permit renewal has not been issued by March 11, 2020, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407 & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, 4.11)
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)

I. Standard Conditions

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

I. Standard Conditions

E. Records

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

F. Monitoring Reports

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

Director of Compliance and Enforcement
Bay Area Air Quality Management District
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 January 1st to December 31st. The certification shall be submitted by January 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall 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)

Renewal Date: March 12, 2015

I. Standard Conditions

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. -(MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

II. EQUIPMENT

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S7	Boiler 1, Auxiliary Steam, (natural gas, landfill gas, distillate oil), load-following, ME 74129	Cleaver-Brooks	CB700	28 MM Btu/hr
S8	Boiler 2, Auxiliary Steam, (natural gas, landfill gas, distillate oil), load-following, ME 74140	Cleaver-Brooks	CB700	28 MM Btu/hr
S9	Incinerator #1, (sewage sludge, landfill gas, natural gas)	BSP Multiple Rotary Hearth	Custom	60 dry ton/day; 27 MM Btu/hr max of natural gas and landfill gas
S10	Incinerator #2, (sewage sludge, landfill gas, natural gas)	BSP Multiple Rotary Hearth	Custom	60 dry ton/day; 27 MM Btu/hr max of natural gas and landfill gas
S24	Centrifuges & Cake Hoppers, four units	Sharples	PM75000b	3.0 dry ton/hr
S25	Gasoline Dispensing Facility (G6368), 1 nozzle	Custom	N/A	1000 gallon tank
S100	Wastewater Treatment Plant - Fugitive Emissions	Secondary Activated Sludge	N/A	11.9 MM gal/hr
S110	Preliminary Treatment; Influent Structure: Influent Pumping, Bar Screens, Grinders	Custom	N/A	11.9 MM gal/hr
S120	Primary Treatment, Aerated Grit Chamber (covered), 4 Primary Sedimentation Tanks; Effluent Channel - Aerated Section - Primary Sediment to Aeration Basin Units	Custom	N/A	11.9 MM gal/hr
S130	Flow Equalization (equivalent to wastewater holding ponds)	Custom	N/A	11.9 MM gal/hr
S140	Secondary Treatment; Two Aerated Effluent Channel - Non-aerated Section - Primary Sediment to Aeration Basin Units	Custom	N/A	11.9 MM gal/hr
S150	Secondary Clarifiers; Aerated	Custom	N/A	11.9 MM gal/hr

II. Equipment

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
	Effluent Channel - Aeration Basins to Secondary Clarifiers			
S160	Tertiary Treatment; four gravity filtration units/gravity filtration forebay	Custom	N/A	11.9 MM gal/hr
S170	Disinfection; Aerated Effluent Channel - Secondary Clarifiers to Ultraviolet Disinfection	Custom	N/A	11.9 MM gal/hr
S180	Dissolved Air Flotation Units and Sludge Blending Tanks: Three Dissolved Air Flotation Units, Four Centrifuges, Two Sludge Blending Tank	Custom	Roots Blower Calgon Filter	3.0 dry ton/hr
S182	Ash Conveying System	Custom	Frame	0.6 dry ton/hr
S188	Cogeneration Turbine with Heat Recovery Steam Generator (natural gas)	Solar Centaur	T-4700	49.5 MM Btu/Hr HHV; 3500 kW
S195	Emergency Standby Generator	Detroit Diesel	16V4000G43	3058 hp
S196	Emergency Standby Generator	Detroit Diesel	16V4000G43	3058 hp
S197	Emergency Sludge Loading Facility	Custom	N/A	22.7 ton/hr

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A1	Dry Cyclone Scrubber, Multiple Units (12" dia), American Standard Series 348	S9	BAAQMD 6-1-301, SIP 6-301	none listed	Ringelmann 1 for < 3 min/hr
			BAAQMD 6-1-302, SIP 6-302	none listed	20% opacity for < 3 min/hr
			BAAQMD 6-1-310.1, SIP 6-310.1	none listed	0.15 grains/dscf @ 12% CO ₂

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
					and as if no auxiliary fuel is used
			BAAQMD 6-1-311, SIP 6-311	none listed	$4.10P^{0.67}$ lb/hr, where P is process weight, lb/hr, not to exceed 40 lb/hr
A1	Dry Cyclone Scrubber, Multiple Units (12" dia), American Standard Series 348	S9	BAAQMD Reg 10; NSPS O, 40 CFR 60.152 (a)(1) & (a)(2)	none listed	0.65 g particulate matter/kg dry sludge
A2	Wet Scrubber, Krebs Medusa/Elbair	S9	BAAQMD 6-1-301, SIP 6-301	pressure drop shall not drop below 5.9 inches of water for more than 15 min in any hour	Ringelmann 1 for < 3 min/hr
			BAAQMD 6-1-302, SIP 6-302	pressure drop shall not drop below 5.9 inches of water for more than 15 min in any hour	20% opacity for < 3 min/hr
			BAAQMD 6-1-310.1, SIP 6-310.1	pressure drop shall not drop below 5.9 inches of water for more than 15 min in any hour	0.15 grains/dscf @ 12% CO ₂ and as if no auxiliary fuel is used
A2	Wet Scrubber, Krebs Medusa/Elbair	S9	BAAQMD 6-1-311, SIP 6-311	pressure drop shall not drop below 5.9	$4.10P^{0.67}$ lb/hr, where P is process

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				inches of water for more than 15 min in any hour	weight, lb/hr, not to exceed 40 lb/hr
A2	Wet Scrubber, Krebs Medusa/Elbair	S9	BAAQMD Reg 10; NSPS O, 40 CFR 60.152 (a)(1) & (a)(2)	pressure drop shall not drop below 5.9 inches of water for more than 15 min in any hour	0.65 g particulate matter/kg dry sludge
			40 CFR 60, Subpart M, Section 5165; Table 3	Scrubber Liquid flow (TBD, effective 3/21/16)	PM: 80 mg/dscm @ 7% O2 (effective 3/21/16)
			40 CFR 60, Subpart M, Section 5165; Table 3	Pressure drop (TBD, effective 3/21/16)	PM: 80 mg/dscm @ 7% O2 (effective 3/21/16)
			40 CFR 60, Subpart M, Section 5165; Table 3	Scrubber Liquid pH (TBD, effective 3/21/16)	SO2: 26 ppm (dry) @ 7% O2 (effective 3/21/16)
			40 CFR 60, Subpart M, Section 5165; Table 3	Scrubber Liquid flow (TBD, effective 3/21/16)	SO2: 26 ppm (dry) @ 7% O2 (effective 3/21/16)
			40 CFR 60, Subpart M, Section 5165; Table 3	Scrubber Liquid pH (TBD, effective 3/21/16)	HCl: 1.2 ppm (dry) @ 7% O2 (effective 3/21/16)
A2	Wet Scrubber, Krebs		40 CFR 60,	Scrubber	HCl: 1.2 ppm

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
	Medusa/Elbair		Subpart M MMM, Section 5165; Table 3	Liquid flow (TBD, effective 3/21/16)	(dry) @ 7% O ₂ (effective 3/21/16)
A3	Dry Cyclone Scrubber	S10	BAAQMD 6-1-301, SIP 6-301	none listed	Ringelmann 1 for < 3 min/hr
			BAAQMD 6-1-302, SIP 6-302	none listed	20% opacity for < 3 min/hr
			BAAQMD 6-1-310.1, SIP 6-310.1	none listed	0.15 grains/dscf @ 12% CO ₂ and as if no auxiliary fuel is used
			BAAQMD 6-1-311, SIP 6-311	none listed	4.10P ^{0.67} lb/hr, where P is process weight, lb/hr, not to exceed 40 lb/hr
A3	Dry Cyclone Scrubber	S10	BAAQMD Reg 10; NSPS O, 40 CFR 60.152 (a)(1) & (a)(2)	none listed	0.65 g particulate matter/kg dry sludge
A4	Wet Scrubber, Krebs Medusa/Elbair	S10	BAAQMD 6-1-301, SIP 6-301	pressure drop shall not drop below 4.7 inches of water for more than 15 min in any hour	Ringelmann 1 for < 3 min/hr
A4	Wet Scrubber, Krebs Medusa/Elbair		BAAQMD 6-1-302, SIP 6-302	pressure drop shall not drop below 5.9 inches of water	20% opacity for < 3 min/hr

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
				for more than 15 min in any hour	
			BAAQMD 6-1-310.1, SIP 6-310.1	pressure drop shall not drop below 5.9 inches of water for more than 15 min in any hour	0.15 grains/dscf @ 12% CO ₂ and as if no auxiliary fuel is used
A4	Wet Scrubber, Krebs Medusa/Elbair	S10	BAAQMD 6-1-311, SIP 6-311	pressure drop shall not drop below 5.9 inches of water for more than 15 min in any hour	4.10P ^{0.67} lb/hr, where P is process weight, lb/hr, not to exceed 40 lb/hr
A4	Wet Scrubber, Krebs Medusa/Elbair	S10	BAAQMD Reg 10; NSPS O, 40 CFR 60.152 (a)(1) & (a)(2)	pressure drop shall not drop below 4.7 inches of water for more than 15 min in any hour	0.65 g particulate matter/kg dry sludge
			40 CFR 60, Subpart M, Section 5165; Table 3	Scrubber Liquid flow (TBD, effective 3/21/16)	PM: 80 mg/dscm @ 7% O ₂ (effective 3/21/16)
			40 CFR 60, Subpart M, Section 5165; Table 3	Pressure drop (TBD, effective 3/21/16)	PM: 80 mg/dscm @ 7% O ₂ (effective 3/21/16)
			40 CFR 60, Subpart M, Section 5165;	Scrubber Liquid pH (TBD,	SO ₂ : 26 ppm (dry) @ 7% O ₂

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			Table 3	effective 3/21/16)	(effective 3/21/16)
			40 CFR 60, Subpart Mmmm, Section 5165; Table 3	Scrubber Liquid flow (TBD, effective 3/21/16)	SO2: 26 ppm (dry) @ 7% O2 (effective 3/21/16)
			40 CFR 60, Subpart Mmmm, Section 5165; Table 3	Scrubber Liquid pH (TBD, effective 3/21/16)	HCl: 1.2 ppm (dry) @ 7% O2 (effective 3/21/16)
A4	Wet Scrubber, Krebs Medusa/Elbair		40 CFR 60, Subpart Mmmm, Section 5165; Table 3	Scrubber Liquid flow (TBD, effective 3/21/16)	HCl: 1.2 ppm (dry) @ 7% O2 (effective 3/21/16)
A14	Packed Tower #1, Ceilcote	S24, S180	BAAQMD 7-102	none listed	N/A
A15	Packed Tower #2, Ceilcote	S24, S180	BAAQMD 7-102	none listed	N/A
A23	Quad Mist Odor Control Scrubber	S110	BAAQMD 7-102	none listed	N/A
A24	Quad Mist Odor Control Scrubber	S110	BAAQMD 7-102	none listed	N/A
A120	Calvert Mist Odor Control Scrubber	S120	BAAQMD 7-102	none listed	N/A
A186	Filter Baghouses	S182	BAAQMD 6-1-301, SIP 6-301	none listed	Ringelmann 1 for < 3 min/hr
			BAAQMD 6-1-310; SIP 6-310	none listed	0.15 gr PM/dscf
A187	Biofilter Odor Control System	S180	BAAQMD 7-102	none listed	N/A
A191	Cyclone, Premier	S182	BAAQMD 6-1-301, SIP 6-301	none listed	N/A
A191	Cycone, Premier		BAAQMD 6-1-310;	none listed	0.15 gr PM/dscf

Renewal Date: March 12, 2015

II. Equipment

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
			SIP 6-310		
A192	Filter Baghouse, Supervac	S182	BAAQMD 6-1-301, SIP 6-301	none listed	N/A
			BAAQMD 6-1-310; SIP 6-310	none listed	0.15 gr PM/dscf
A196	Filter Baghouse	S182	BAAQMD 6-1-301, SIP 6-301	none listed	N/A
			BAAQMD 6-1-310; SIP 6-310	none listed	0.15 gr PM/dscf
A197	Deep Bed Odor Control System – Packed Bed Scrubber	S197	BAAQMD 7-102	none listed	N/A
A1195	Catalyzed Diesel Particulate Filter	S195	BAAQMD 6-1-303; SIP 6-303;	None listed	Ringelmann 2 for < 3 min/hr
A1195	Catalyzed Diesel Particulate Filter	S195	BAAQMD 6-1-310, SIP 6-310	none listed	0.15 gr PM/dscf
A1195	Catalyzed Diesel Particulate Filter	S195	BAAQMD Condition 24357; ATCM Section 93115; 40 CFR 60 Subpart III	Filter should be cleaned on or before 2000 hours of operation	0.01 g PM/bhp-hr
A1196	Catalyzed Diesel Particulate Filter	S196	BAAQMD 6-1-303; SIP 6-303;	None listed	Ringelmann 2 for < 3 min/hr
			BAAQMD 6-1-310, SIP 6-310	none listed	0.15 gr PM/dscf
			BAAQMD Condition 24357; ATCM Section 93115; 40 CFR 60 Subpart III	Filter should be cleaned on or before 2000 hours of operation	0.01 g PM/bhp-hr

II. Equipment

Table II C – Exempt Equipment

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

S-#	Description	Make or Type	Model	Capacity
S194	Portable Pump, Diesel, Low use	Deutz	F4L912	54 hp
S198	Portable Pump, Diesel, Low use	Deutz	D914L03	58 hp

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 would 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.

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

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

SIP standards are not included as part of the permit and the full language of the SIP requirements is available on the EPA Region 9 website. The address is:
<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&at=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>

NOTE:

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

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (11/3/93)	N
SIP Regulation 1	General Provisions and Definitions (11/10/82)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (3/4/09)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
SIP 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 5	New Sources 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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 5	Open Burning (5/3/84)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/05/07)	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 (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds-General Solvent and Surface Coating Operations (12/20/95)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds-Solvent Cleaning Operation (12/20/95)	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 (12/20/95)	N
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (5/3/84)	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 (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Code of Regulation, Title 17, 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. SIP standards are not included as part of the permit and the full language of the SIP requirements is available on the EPA Region 9 website. The address is: <http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&at=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>

All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
S7, Auxiliary Boiler, Multi-Fuel
S8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)		
1-107	Combination of Emissions	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S7, Auxiliary Boiler, Multi-Fuel
S8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y ¹	
1-523.3	Reports of Violations	Y ¹	
1-523.5	Maintenance and calibration	Y ¹	
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/05/07)	N	
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8 Rule 34	Organic Compounds - Solid Waste Disposal Sites (6/15/05)		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-301	Landfill Gas Collection/Emission Control Requirements	Y	
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control System Leak Limitations	Y	
8-34-301.4	Emission Control System Limits	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S7, Auxiliary Boiler, Multi-Fuel
S8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
8-34-412	Annual Compliance Demonstration Test	Y	
8-34-413	Annual Performance Test Report	Y	
8-34-501	Operating Records	Y	
8-34-501.2	Records of emission control system downtime	Y	
8-34-501.4	Testing records	Y	
8-34-501.6	Leaks	Y	
8-34-501.10	Continuous gas flow records	Y	
8-34-501.11	Records of key emission control system operating parameters	Y	
8-34-501.12	Records retention for 5 years	Y	
8-34-503	Landfill gas collection and emission control system leak testing	Y	
8-34-504	Portable hydrocarbon detector	Y	
8-34-508	Gas Flow Meter	Y	
8-34-509	Key emission control system operating parameters	Y	
8-34-601	Determination of Emissions	Y	
8-34-602	Inspection Procedures	Y	
BAAQMD Regulation 9 Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
9-1-304	Fuel Burning (Liquid & Solid Fuels)	Y	
BAAQMD Regulation 9 Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)		
9-2-301	Limitations on Hydrogen Sulfide Emissions	N	
BAAQMD Regulation 9, Rule 7	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)		
9-7-113	Limited Exemption, Natural Gas Curtailment and Testing	N	
9-7-307.4	Emission Limits – Gaseous Fuel, Except Landfill or Digester Gas	N	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S7, Auxiliary Boiler, Multi-Fuel
S8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
9-7-307.7	Emission Limits – Landfill or Digester Gas	N	
9-7-312	Stack Gas Temperature Limits	Y	
9-7-403	Initial Demonstration of Compliance	N	
9-7-408	Designation of Load-following Units	N	
9-7-501	Combinations of Different Fuels	N	
9-7-503	Records	N	
97-506	Periodic Testing	N	
9-7-603	Compliance Determination	N	
9-7-606	Certification, Initial Demonstration of Compliance and Periodic Test Methods	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)		
9-7-301	Emission Limits - Gaseous Fuel	Y	
9-7-301.1	NOx	Y	
9-7-301.2	CO	Y	
9-7-302	Emission Limits – Non-Gaseous Fuel	Y	
9-7-302.1	NOx	Y	
9-7-302.2	CO	Y	
9-7-305	Natural Gas Curtailment - Non-Gaseous Fuel	Y	
9-7-306	Equipment Testing - Non-Gaseous Fuel	Y	
9-7-403	Initial Demonstration of Compliance	Y	
9-7-501	Combinations of Different Fuels	Y	
9-7-503	Records	Y	
9-7-603	Compliance Determination	Y	
BAAQMD Condition #21422			
part 1	Firing rate limitations (Cumulative Increase)	Y	
part 2	Sulfur content monitoring and recordkeeping (BAAQMD 1-441)	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S7, Auxiliary Boiler, Multi-Fuel
S8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
part 3	Exhaust gas SO2 emissions recordkeeping (BAAQMD 9-1-302)	Y	
part 4	Fuel requirements (Cumulative Increase)	Y	
part 5	Source test requirements (Cumulative Increase, BAAQMD 9-7-403)	Y	
part 6	First pass temperature limitations (40 CFR 60.758c(1)(i))	Y	
part 7	Recordkeeping (Cumulative Increase, BAAQMD 9-1-304)	Y	
part 8	Stack gas temperature limit (BAAQMD 9-7-312)	N	

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
BAAQMD Regulation 1	General Provisions and Definitions (7/9/08)		
1-107	Combination of Emissions	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	N	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
Regulation 1			
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/05/07)		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-302	Opacity Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.1	Incineration or Salvage Operations	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
6-1-501	Sampling Facilities and Instruments Required	N	
6-1-502	Data, Records and Reporting	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)	Y	
6-301	Ringelmann No. 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.1	Incineration or Salvage Operations	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	Y	
BAAQMD Regulation 8 Rule 34	Organic Compounds - Solid Waste Disposal Sites (6/15/05)		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-301	Landfill Gas Collection/Emission Control Requirements	Y	
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control System Leak Limitations	Y	
8-34-301.4	Emission Control System Limits	Y	
8-34-412	Annual Compliance Demonstration Test	Y	
8-34-413	Annual Performance Test Report	Y	
8-34-501	Operating Records	Y	
8-34-501.4	Testing records	Y	
8-34-501.6	Leaks	Y	
8-34-501.10	Continuous gas flow records	Y	
8-34-501.11	Records of key emission control system operating parameters	Y	
8-34-501.12	Records retention for 5 years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-508	Gas Flow Meter	Y	
8-34-509	Key emission control system operating parameters	Y	
8-34-601	Determination of Emissions	Y	
8-34-602	Inspection Procedures	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 & Solid Fuels)	Y	
9-1-502	Emission Monitoring Requirements	Y	
BAAQMD Regulation 9 Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)		
9-2-301	Limitations on Hydrogen Sulfide Emissions	N	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants - Lead (3/17/82)		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Limit Without Background	Y	
BAAQMD Regulation 11, Rule 3	Hazardous Pollutants - Beryllium (3/17/82)		
11-3-301	Emission Limitation – Beryllium	N	
11-3-302	Burning Beryllium by Incineration	N	
BAAQMD Regulation 11, Rule 5	Hazardous Pollutants - Mercury		
11-5-302	Emissions from Sludge Incineration Plants	N	
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
40 CFR 60	Standards of Performance for New Stationary Sources (12/23/71)	Y	
Subpart A	General Provisions	Y	
60.4(b)	Reports to EPA and District	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13(a)	Monitoring requirements	Y	
60.13(b)	Installation prior to performance tests	Y	
60.13(c)	COMS data for compliance with opacity standard	Y	
60.13(e)	Continuous operation	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
60.13(g)	Combined effluents	Y	
60.13(h)	Reduction of data	Y	
60.13(i)	Alternative monitoring	Y	
60.19	General notification and reporting requirements	Y	
NSPS – 40 CFR 60 Subpart O	Standards of Performance for Sewage Treatment Plants		
60.152	Standard for Particulate Matter	Y	
60.152(a)(1)	Particulate Emission Standards	Y	
60.152(a)(2)	Opacity Standards	Y	
60.153	Monitoring of Operations	Y	
60.153(a)(1)	Install and operate sludge flow measurement device	Y	
60.153(a)(2)	Access to well-mixed sludge sample	Y	
60.153(b)(1)	Install and operate gas scrubber pressure drop monitor	Y	
60.153(b)(2)	Install and operate exhaust gas O2 content	Y	
60.153(b)(3)	Install and operate hearth temp measurement device(s)	Y	
60.153(b)(4)	Install and operate fuel flow device(s)	Y	
60.153(b)(5)	Sample sludge feed daily	Y	
60.153(c)(1)	Records – gas scrubber pressure drop	Y	
60.153(c)(2)	Records – exhaust gas O2 content	Y	
60.153(c)(3)	Records – sludge charge rate	Y	
60.154	Test Methods and Procedures	Y	
60.155	Reporting	Y	
60.155(a)	Reports – Semi-annual	Y	
60.155(a)(1)	Reports – Scrubber Pressure Drop	Y	
60.155(a)(2)	Reports – Exhaust Gas Oxygen Content	Y	
60.155(b)	Reports required if PM exceeds 0.75 lb/ton of dry sludge input	Y	
60.155(b)(1)	Reports – Scrubber Pressure Drop	Y	
60.155(b)(2)	Reports – Exhaust Gas Oxygen Content	Y	
60.155(b)(3)	Reports – Hearth Temperatures	Y	

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S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
60.155(b)(4)	Reports – Sludge Charge Rate	Y	
60.155(b)(5)	Reports – Incinerator Fuel Use	Y	
60.155(b)(6)	Reports – Moisture & Volatile Solids	Y	
Subpart MMMM	Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units (3/21/11)	Y	
60.5085	What are my requirements for meeting increments of progress and achieving final compliance?	Y	3/21/16
60.5085(a)	Submit a final control plan	Y	3/21/16
60.5085(b)	Achieve a final control plan	Y	3/21/16
60.5090	When must I complete each increment of progress?	Y	3/21/16
60.5095	What must I include in the notifications of achievement of increments of progress?	Y	3/21/16
60.5100	When must I submit the notifications of achievement of increments of progress?	Y	3/21/16
60.5105	What if I do not meet an increment of progress?	Y	3/21/16
60.5110	How do I comply with the increment of progress for submittal of a control plan?	Y	3/21/16
60.5115	How do I comply with the increment of progress for achieving final compliance?	Y	3/21/16
60.5120	What must I do if I close my SSI unit and then restart it?	Y	3/21/16
60.5125	What must I do if I plan to permanently close my SSI unit and not restart it?	Y	3/21/16
60.5130	What are the operator training and qualification requirements?	Y	3/21/16
60.5135	When must the operator training course be completed?	Y	3/21/16
60.5140	How do I obtain my operator qualification?	Y	3/21/16
60.5145	How do I maintain my operator qualification?	Y	3/21/16
60.5150	How do I renew my lapsed operator qualification?	Y	3/21/16
60.5155	What if all the qualified operators are temporarily not accessible?	Y	3/21/16
60.5160	What site-specific documentation is required and how often must it be reviewed by qualified operators and plant personnel?	Y	3/21/16

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
60.5165	What emission limits and standards must I meet and by when?		3/21/16
60.5170	What operating limits and requirements must I meet and by when?	Y	3/21/16
60.5170(a), Table 4	Minimum operating temperature of the combustion chamber	Y	3/21/16
60.5170(b), Table 4	Minimum pressure drop across each wet scrubber, minimum scrubber liquid flow rate, and minimum liquid pH	Y	3/21/16
60.5170(d), Table 4	Minimum temperature of the afterburner combustion chamber	Y	3/21/16
60.5170(f)	Monitor the feed rate and moisture content of the sewage sludge	Y	3/21/16
60.5170(g)	Meet new operating limits, and requirements re-established according to §60.5210(d)	Y	3/21/16
60.5180	Do the emission limits, emission standards, and operating limits apply during periods of startup, shutdown, and malfunction?	Y	3/21/16
60.5181	How do I establish an affirmative defense for exceedance of an emission limit or standard during malfunction?	Y	3/21/16
60.5185	How and when do I demonstrate initial compliance with the emission limits and standards?	Y	3/21/16
60.5185(a)	Demonstrate initial compliance using specified performance tests	Y	3/21/16
60.5185(c)	Determine initial compliance with the dioxins/furans toxic equivalency emission limit	Y	3/21/16
60.5185(d)	Submit an initial compliance report	Y	3/21/16
60.5185(e)	Notify the administrator in case of force majeure	Y	3/21/16
60.5190	How do I establish my operating limits?	Y	3/21/16
60.5190(a)	Applicability of establishing operating limits	Y	3/21/16
60.5190(b)	Determine minimum pressure drop	Y	3/21/16
60.5190(c)	Determine minimum scrubber liquid flow rate	Y	3/21/16
60.5190(d)	Determine minimum scrubber liquid pH	Y	3/21/16
60.5190(e)	Determine minimum combustion chamber operating temperature	Y	3/21/16
60.5195	By what date must I conduct the initial air pollution control device inspection and make any necessary repairs?	Y	3/21/16

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
60.5200	How do I develop a site-specific monitoring plan for my continuous monitoring, bag leak detection, and ash handling systems, and by what date must I conduct an initial performance evaluation?	Y	3/21/16
60.5200(a)	Address specified elements and requirements. operate and maintain the continuous monitoring system according to the site-specific monitoring plan	Y	3/21/16
60.5200(d)	Specify ash handling system operating procedures	Y	3/21/16
60.5200(e)	Alternative monitoring requirements	Y	3/21/16
60.5200(f)	Submit monitoring plans required in (a) and (b) of this section at least 60 days before the initial performance evaluation of continuous monitoring system(s)	Y	3/21/16
60.5200(h)	Update or resubmit monitoring plan for changes in monitoring procedures	Y	3/21/16
60.5205	How and when do I demonstrate continuous compliance with the emission limits and standards?	Y	3/21/16
60.5205(a)	Demonstrate continuous compliance using performance test.	Y	3/21/16
60.5205(c)	Determine dioxins/furans toxic equivalency as specified	Y	3/21/16
60.5205(d)	Submit annual compliance report and/or deviation report	Y	3/21/16
60.5205(e)	In case of force majeure	Y	3/21/16
60.5210	How do I demonstrate continuous compliance with my operating limits?	Y	3/21/16
60.5210(a)	Continuously monitor the operating parameters and use the data averaging period	Y	3/21/16
60.5210(b)	Submit deviation report for operations outside the allowable range of the operating limits	Y	3/21/16
60.5210(c)	Submit annual compliance report	Y	3/21/16
60.5210(d)	Confirm and re-establish operating limits	Y	3/21/16
60.5215	By what date must I conduct annual air pollution control device inspections and make any necessary repairs?	Y	3/21/16
60.5220	What are the performance testing, monitoring, and calibration	Y	3/21/16

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Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
	requirements for compliance with the emission limits and standards?		
60.5225	What are the monitoring and calibration requirements for compliance with my operating limits?	Y	3/21/16
60.5225(a)	Install, operate, calibrate, maintain the continuous parameter monitoring systems as required	Y	3/21/16
60.5225(c)	Operate and maintain the continuous parameter monitoring systems as specified	Y	3/21/16
60.5230	What records must I keep?	Y	3/21/16
60.5235	What reports must I submit?	Y	3/21/16
Table 3	Emission Limits and Standards for Existing Multiple Hearth Sewage Sludge Incineration Units	Y	3/21/16
Table 4	Operating Parameters for Existing Sewage Sludge Incineration Units	Y	3/21/16
Table 6	Summary of Reporting Requirements for Existing Sewage Sludge Incineration Units	Y	3/21/16
NSPS Appendix B	Performance Specifications		
Performance Specification 1	Specifications and test procedures for opacity continuous emission monitoring systems in stationary sources	Y	
40 CFR 61 Subpart C	National Emission Standard for Beryllium		
61.30	Applicability	Y	
61.30(a)	Includes incinerators which process beryllium-containing waste	Y	
61.32	Emission Standard	Y	
61.32(a)	Beryllium Emissions not to exceed 10 g Be/24 hr period	Y	
61.33	Stack sampling	Y	
61.33(a)	Stack Sampling-required methods	Y	
61.33(b)	Stack sampling – Notification of Administrator	Y	
61.33(c)	Source test sampling periods	Y	
61.33(d)	Sampling analysis instructions	Y	
61.33(e)	Retention of emission test reports	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
40 CFR 61 Subpart E	National Emission Standard for Mercury		
61.50	Applicability	Y	
61.52	Emission Standard	Y	
61.52(b)	Mercury Emission Standard	Y	
61.53	Stack Sampling	Y	
61.53(d)(1)	Stack sampling required	Y	
61.53(d)(2)	Method 101A instructions	Y	
61.53(d)(3)	Stack sampling – Notification of Administrator	Y	
61.53(d)(4)	Source test sampling periods	Y	
61.53(d)(5)	Sampling analysis instruction	Y	
61.53(d)(6)	Retention of emission test reports	Y	
61.54	Sludge Sampling	Y	
61.54(a)	Alternate compliance demonstration – Sludge Sampling	Y	
61.54(a)(1,2)	Sludge test timing	Y	
61.54(b)	Administrator notification of sludge test	Y	
61.54 (c)	Sludge sampling instructions	Y	
61.54 (d)	Mercury emissions calculation method	Y	
61.54 (e)	No operational changes allowed	Y	
61.54 (f)	Timing of sludge mercury analysis	Y	
61.54 (g)	Retention of mercury emission data	Y	
61.55	Monitoring of emissions and operations	Y	
61.55(a)	Wastewater treatment plant sludge incineration and drying plants	Y	
40 CFR 64	Compliance Assurance Monitoring		
64.2	Applicability	Y	
64.2(a)	General applicability	Y	
64.3	Monitoring design criteria	Y	
64.3(a)	General criteria	Y	
64.3(b)	Performance criteria	Y	
64.3(c)	Evaluation factors	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
64.4	Submittal requirements	Y	
64.4(a)	Submit indicators, ranges, and performance criteria	Y	
64.4(b)	Submit justification of the proposed elements of the monitoring	Y	
64.4(c)	Submit control device operating parameter data	Y	
64.5	Deadlines for submittals	Y	
64.5(a)	Large pollutant-specific emission units	Y	
64.5(c)	Effective date for the requirement	Y	
64.5(d)	Prior to approval of monitoring, the owner/operator is subject to requirements of § 70.6(a)(3)(i)(B).	Y	
64.7	Operation of approved monitoring	Y	
64.7(a)	Commencement of operation	Y	
64.7(b)	Proper maintenance	Y	
64.7(c)	Continued operation	Y	
64.7(d)	Response to excursions or exceedances	Y	
64.7(e)	Documentation of need for improved monitoring	Y	
64.8	Quality Improvement plan (QIP) requirements	Y	
64.9	Reporting and recordkeeping requirements	Y	
64.9(a)	General reporting requirements	Y	
64.9(b)	General recordkeeping requirements	Y	
BAAQMD Condition #21423			
part 1	Solid fuel to be derived from CCCSD only (Cumulative Increase)	Y	
part 2	Solid fuel throughput (Cumulative Increase)	Y	
Part 3	Particulate emissions (mass/throughput) limitation (40 CFR 60.152(a)(1), NSPS)	Y	
part 4	Particulate emissions (exhaust grain loading) limitation (SIP 6-310)	Y	
part 5	Visible emissions limitation – opacity (40 CFR 60.152(a)(2), (SIP 6-401)	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
part 6	Beryllium emissions limitation (BAAQMD 11-3-301, 40 CFR 61.32(a))	Y	
part 7	Total mercury emissions limitation (BAAQMD 11-5-302, 40 CFR 61.52)	Y	
part 8	Mercury emissions enhanced monitoring trigger criteria (40 CFR 61.55(a))	Y	
part 9	Lead emissions limitation (BAAQMD 11-1)	Y	
part 10	Ongoing compliance source test requirements (BAAQMD 2-6-501)	Y	
part 10a	Sewage sludge sampling/analysis (40 CFR 60.154(b)(5), 40 CFR 61.33(a), 40 CFR 61.54(a))	Y	
part 10b	Incinerator exhaust sampling/analysis (40 CFR 60.154(b)(2))	Y	
part 10c	Incinerator exhaust metals sampling/testing (40 CFR 60.154(b)(2))	Y	
part 11	Ongoing emissions monitoring – SO2 limits (BAAQMD 9-1-304)	Y	
Part 12	Organic emissions abatement efficiency – Landfill Gas Combustion, annual compliance demonstration source test, Hearth 1 temperature limitation (40 CFR 60.758(c)(1)(i))	Y	
part 13	Ongoing Monitoring – NSPS Requirements (40 CFR 60.153)	Y	
part 13a	Feed flowrate monitoring (40 CFR 60.153(a)(1), 40 CFR 64)	Y	
part 13b	Wet scrubber pressure drop monitoring (40 CFR 60.153(b)(1), 40 CFR 64)	Y	
part 13c	Incinerator oxygen content monitoring (40 CFR 60.153(b)(2), 40 CFR 64)	Y	
part 13d	Incinerator temperature profile monitoring (40 CFR 60.153(b)(3), 40 CFR 64)	Y	
part 13e	Incinerator fuel flow monitoring (40 CFR 60.153(b)(4), 40 CFR 64)	Y	
part 13f	Sewage incinerator feed sampling/analysis (40 CFR 60.153(b)(5), 40 CFR 64)	Y	
part 13g	Daily records – solids feed to incinerator (Cumulative Increase)	Y	
part 13h	Records retention (Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S9, FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S10, FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
part 14	Reporting Requirements(40 CFR 60.155)	Y	
part 14a	Average scrubber pressure drop less than compliance test setpoint (40 CFR 60.155(a)(1)(i) & (ii), 40 CFR 64)	Y	
part 14b	Average oxygen content prior to dilution (40 CFR 60.155(a)(2), 40 CFR 64)	Y	
part 14c	Recent reports as requested by APCO (40 CFR 60.155(a)(3), (4), (5), (6))	Y	
part 14d	Reports of excursions (40 CFR 64.9(a)(2)(i))	Y	
part 14e	Reports of exceedances (40 CFR 64.9(a)(2)(i))	Y	
part 14f	Reports of monitor downtime (40 CFR 64.9(a)(2)(ii))	Y	

Table IV - C
Source-specific Applicable Requirements
S24, CENTRIFUGES AND CAKE HOPPERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/05/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S24, CENTRIFUGES AND CAKE HOPPERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9 Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)		
9-2-301	Limitations on Hydrogen Sulfide Emissions	N	
BAAQMD Condition #1716			
part 1	Stack Outlet - H2S Concentration Limits (1-301; Public Nuisance)	N	
part 2	Consequences of odor complaints (1-301; Public Nuisance)	N	
part 3	Use of Abatement Equipment Required during S24 Operation (1-301; Public Nuisance)	N	

IV. Source-specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S25 (G6368), GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 7	Organic Compounds - Gasoline Dispensing Facilities (11/06/02)		
8-7-301	Phase I Requirements	Y	
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	N	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers	Y	
8-7-301.2	Carb Certification Requirements	Y	
8-7-301.3	Submerged Fill Pipes Requirement	Y	
8-7-301.5	Maintenance and Operating Requirement	Y	
8-7-301.6	Leak-Free and Vapor-Tight Requirement for Components	Y	
8-7-301.7	Fitting Requirements for Vapor Return Line	Y	
8-7-301.8	Coaxial Phase I Systems Certified by CARB prior to January 1, 1994 may not be installed on New or Modified Systems	Y	
8-7-301.9	Anti-rotational Coupler or Swivel Adapter Required	Y	
8-7-301.10	Vapor Recovery Efficiency Requirements for New and Modified Systems	Y	
8-7-301.12	Spill Box Drain Valve Limitation	Y	
8-7-301.13	Annual Vapor Tightness Test Requirement	N	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for Transfers into Motor Vehicle Fuel Tanks	Y	
8-7-302.2	Maintenance Requirements	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	N	
8-7-302.4	Repair Time Limit for Defective Components	N	
8-7-302.5	Leak-Free and Vapor-Tight Requirement for Components	Y	
8-7-302.6	Requirements for Bellows Nozzles	Y	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	

IV. Source-specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S25 (G6368), GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.9	Coaxial Hose Requirement	Y	
8-7-302.10	Construction Materials Specifications	N	
8-7-302.12	Liquid Retain Limitation	N	
8-7-302.13	Nozzle Spitting Limitation	N	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	N	
8-7-302.15	Annual Testing Requirements for Vacuum Assist Systems	N	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	N	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-314	Hold Open Latch Requirements	Y	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing Requirements	N	
8-7-408	Periodic Testing Notification and Submission Requirements	N	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Recordkeeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	N	
SIP Regulation 8, Rule 7	Organic Compounds, Gasoline Dispensing Facilities (7/25/2001)		
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	
8-7-302.10	Construction Materials Specifications	Y	
8-7-302.12	Liquid Retain Limitation	Y	

IV. Source-specific Applicable Requirements

Table IV – D
Source-specific Applicable Requirements
S25 (G6368), GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.13	Nozzle Spitting Limitation	Y	
8-7-306	Prohibition of Use	Y	
8-7-503.3	Records Retention Time	Y	
BAAQMD Condition #17105			
part 1	Gasoline throughput (Regulation 2, Rule 5)	N	
part 2	Gasoline throughput monitoring (Regulation 2, Rule 5)	N	

Table IV - E
Source-specific Applicable Requirements
S100, MUNICIPAL WASTEWATER TREATMENT PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #193			
Part 1	Wastewater Throughput (Cumulative Increase)	Y	
Part 2	Consequences of odor complaints (1-301; Public Nuisance)	Y	
Part 3	Recordkeeping (2-6-409.2)	Y	

IV. Source-specific Applicable Requirements

**Table IV - F
 Source-specific Applicable Requirements
 S110, PRELIMINARY TREATMENT**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #7124			
part 1	Abatement of Odorous Emissions Required (1-301; Public Nuisance)	N	
part 2	Consequences of Odorous Emissions (1-301; Public Nuisance)	N	

**Table IV - G
 Source-specific Applicable Requirements
 S120, PRIMARY TREATMENT**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #7046			
part 1	Abatement of Malodorous Compounds by A120 Required (1-301; Public Nuisance)	N	

**Table IV - H
 Source-specific Applicable Requirements
 S180, DISSOLVED AIR FLOTATION UNITS AND SLUDGE BLENDING TANKS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #13082			
part 1	Abatement of Odorous Emissions Required (1-301; Public Nuisance)	N	
part 2	Use of Abatement Equipment Required during S180 Operation (1-301; Public Nuisance)	N	

IV. Source-specific Applicable Requirements

**Table IV - I
 Source-specific Applicable Requirements
 S182, ASH CONVEYING SYSTEM**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/05/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
Subpart MMM	Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units (3/21/11)	Y	
60.5170	What operating limits and requirements must I meet and by when?	Y	
60.5170(d)	Site-specific fugitive monitoring plan	Y	
60.5185	How and when do I demonstrate initial compliance with the emission limits and standards?	Y	TBD
60.5185(a)	Demonstrate initial compliance using specified performance tests	Y	TBD
60.5200	How do I develop a site-specific monitoring plan for my continuous monitoring, bag leak detection, and ash handling systems, and by what date must I conduct an initial performance evaluation?	Y	
60.5200(d)	Specify ash handling system operating procedures	Y	
60.5200(g)	Submittal of monitoring plan for ash handling	Y	
60.5205	How and when do I demonstrate continuous compliance with the emission limits and standards?	Y	3/21/16
60.5230	What records must I keep?	Y	
60.5235	What reports must I submit?	Y	
Table 3	Emission Limits and Standards for Existing Multiple Hearth Sewage	Y	

IV. Source-specific Applicable Requirements

**Table IV - I
 Source-specific Applicable Requirements
 S182, ASH CONVEYING SYSTEM**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Sludge Incineration Units		
BAAQMD Condition #21425			
part 1	Particulate Emissions to be Abated (Cumulative Increase)	Y	
part 2	Maintenance (Cumulative Increase)	Y	
part 3	Manufacturer's Specifications (Cumulative Increase)	Y	
part 4	Continuous Monitoring for Particulate Emissions (2-6-503)	Y	
Part 5	Daily Visual Inspection of exhaust stacks and abatement system (2-6-501)	Y	
part 6	Records of Leak gauge alarm events, Leak gauge instrument maintenance (Regulation 2-6-501)	Y	

IV. Source-specific Applicable Requirements

**Table IV - J
 Source-specific Applicable Requirements
 S188, COGENERATION TURBINE, 3500 kW,
 NATURAL GAS FIRED**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
BAAQMD Regulation 1	General Provisions and Definitions (10/7/98)		
1-107	Combination of Emissions	Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/05/07)		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
SIP Regulation 6	Particulate Matter – General Requirements (12/05/07)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
BAAQMD Regulation 9 Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 9, Rule 9	Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary Gas Turbines (12/6/06)		
9-9-113	Exemption – Inspection and Maintenance Periods	N	
9-9-114	Exemption – Startup and Shutdown Periods	N	
9-9-115	Limited Exemption, Minor Inspection and Maintenance Work	N	
9-9-301	Emission Limits - General	N	
9-9-301.1.1	Emission Limits - Turbines below 10.0 MW	N	
9-9-301.2	NOx limit - Concentration or lb/MW-hr	N	
9-9-504	Annual Demonstration of Compliance	N	
9-9-601	Determination of Emissions	N	
SIP Regulation 9,	Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary Gas Turbines (12/15/97)		

IV. Source-specific Applicable Requirements

Table IV - J
Source-specific Applicable Requirements
S188, COGENERATION TURBINE, 3500 kW,
NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
Rule 9			
9-9-113	Exemption - Inspection/Maintenance	Y	
9-9-114	Exemption - Startup/Shutdown	Y	
9-9-301	Emission Limits - General	Y	
9-9-301.1	Emission Limits - Turbines below 10.0 MW	Y	
NSPS Part 60	Standards of Performance for New Stationary Sources (12/23/71)	Y	
Subpart A 60.7	Notification and record keeping	Y	
60.8(a)	Performance Tests	Y	
60.9	Availability of Information	Y	
60.11(a)	Compliance with standards and maintenance requirements	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
NSPS Subpart GG	Standards of Performance for Stationary Gas Turbines (1/27/82)		
60.332	Standard for nitrogen oxides	Y	
60.332(a)(2)	Performance Standard, NOx	Y	
60.332(c)	Turbines between 10 and 100 MMbtu/hr	Y	
60.333	Performance Standards, SO2	Y	
60.333(b)	Fuel Sulfur Limit	Y	
60.334	Monitoring Requirements	Y	
60.334(a)	Water-to fuel ratio (used only when NOx CEM is not operating)	Y	
60.334(b)	CEM for NOx monitoring	Y	
60.334(h)(3)	Exemption from sulfur monitoring for exclusive use of natural gas as defined by Section 60.331(u)	Y	
60.335	Test Methods and Procedures	Y	
BAAQMD Condition #21485			
part 1a	Fuel Type (Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - J
Source-specific Applicable Requirements
S188, COGENERATION TURBINE, 3500 kW,
NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
part 1b	Throughput Limitations (Cumulative Increase)	Y	
part 1c	Requirement for PUC quality natural gas	Y	
part 2	NOx emission limitations- Stack Gas Concentration (9-9-301.1)	Y	
part 3	NOx limit – clock hour average (40 CFR 60.332)	Y	
part 4	NOx Emission limitations - Daily Total (Cumulative Increase)	Y	
part 5	NOx Emission Limitations - Annual Total (Cumulative Increase)	Y	
part 6	CO Emission Limitations - Daily Total (Cumulative Increase)	Y	
part 7	CO Emission Limitations - Annual Total (Cumulative Increase)	Y	
part 9	Initial Compliance Source Test (Cumulative Increase)	Y	
part 10	Sampling Ports Required (Cumulative Increase)	Y	
part 11	Continuous emission monitoring (Cumulative Increase)	Y	
part 12	Records - daily usage of natural gas (Cumulative Increase)	Y	
part 13a	Fuel input monitoring (Cumulative Increase)	Y	
part 13b	Water-to-fuel monitoring (used only when NOx CEM is not operating) (40 CFR 60, sections 332(a)(2) and 334(a))	Y	
part 14	SO2 limit and monitoring (9-1-302)	Y	
part 15	Start-up Grace Period (9-9-114)	Y	
part 16	Shutdown Grace Period (9-9-114)	Y	

IV. Source-specific Applicable Requirements

Table IV-K
Source-specific Applicable Requirements
S195, EMERGENCY STANDBY GENERATOR, DETROIT DIESEL, 3058 BHP
S196, EMERGENCY STANDBY GENERATOR, DETROIT DIESEL, 3058 BHP

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	
6-1-305	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	
6-305	Visible Particulates	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)		
9-8-110.5	Exemption from 9-8-301, 302, 502 Standards, Emergency Standby Engines	N	
9-8-330	Hours of Operation, Emergency Standby Engines	N	
9-8-331	Hours of Operation, Essential Public Service Standby Engines	N	
9-8-530	Monitoring and Recordkeeping, Emergency Standby and Low Usage Engines	N	
Section 93115, title 17, CCR	Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)		
93115.5(b)	Fuel Requirements	N	
93115.6(a)(1)	Limited Operation Near School	N	

IV. Source-specific Applicable Requirements

Table IV-K
Source-specific Applicable Requirements
S195, EMERGENCY STANDBY GENERATOR, DETROIT DIESEL, 3058 BHP
S196, EMERGENCY STANDBY GENERATOR, DETROIT DIESEL, 3058 BHP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.6(a)(2)	Limited Operation during Rolling Power Outages	N	
93115.6(a)(3) (A)(1.a)	PM Emissions \leq 0.15 g/bhp-hr	N	
93115.6(a)(3) (A)(1.b)	PM Emissions Meet Off Road Limits	N	
93115.6(a)(3) (A)(2)	100 Hours per Year of Maintenance and Testing of PM \leq 0.01 g/bhp-hr	N	
93115.6(a)(3) (B)	HC, NO _x , NMHC+NO _x , and CO Standards	N	
93115.6(b)(3) (A)2.b	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3) (B)1	Applicable Emissions Standards for HC, NO _x , NMHC+NO _x , and CO	N	
93115.10(a) (2)	Schedule for Reporting Information Required in Section 93115.10(a)(3)	N	
93115.10(a) (3)	Engine Information Submittal Requirements	N	
93115.10(a) (4)	Reporting of Control Strategy Used to Achieve Compliance	N	
93115.10(b) (2)	Submittal of Emissions or Operational Data	N	
93115.10(c)	Monitoring Equipment	N	
93115.10(d) (1)	Monitoring Equipment	N	
93115.10(d) (3)	Additional Monitoring Equipment Requirement	N	
93115.10(f) (1)	Monthly Record Summary Required	N	
93115.10(f) (2)	Records Retention	N	
93115.10(g)	Recordkeeping and Monthly Summary Requirements for Emergency Standby Engines	N	

IV. Source-specific Applicable Requirements

Table IV-K
Source-specific Applicable Requirements
S195, EMERGENCY STANDBY GENERATOR, DETROIT DIESEL, 3058 BHP
S196, EMERGENCY STANDBY GENERATOR, DETROIT DIESEL, 3058 BHP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.12(b)	Tiered Compliance Schedule	N	
93115.13(a)-(e)	Compliance demonstration source test	N	
93115.13(f)	Compliance by CARB certificate	N	
40 CFR 60 Subpart III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines		
60.4200	Am I subject to this subpart?	Y	
60.4200(a)(1)(i)	Applicability of Subpart III	Y	
60.4205	What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4205(b)	Pollutants emission standards	Y	
60.4206	How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4207	What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?	Y	
60.4207(b)	Fuel requirements	Y	
60.4209	What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4209(a)	Meter requirement	Y	
60.4209(b)	Backpressure monitor requirement	Y	
60.4211	What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4211(a)(1)	Operate and maintain according to manufacturer's emission-related written instruction	Y	
60.4211(a)(2)	Change only emission-related settings that are permitted by the manufacturer	Y	
60.4211(a)(3)	Meet 40 CFR parts 89, 94, and/or 1068 as applicable	Y	
60.4211(c)	Comply with emission standards specified in §60.4205(b)	Y	
60.4211(f)	Maintenance, testing, and non-emergency operation hours	Y	
60.4211(g)(3)	Compliance demonstration if engine is not installed, configured, operated, or maintained according to the manufacturer's emission-	Y	

IV. Source-specific Applicable Requirements

Table IV-K
Source-specific Applicable Requirements
S195, EMERGENCY STANDBY GENERATOR, DETROIT DIESEL, 3058 BHP
S196, EMERGENCY STANDBY GENERATOR, DETROIT DIESEL, 3058 BHP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	related written instructions		
60.4214	What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?	Y	
60.4214(b)	Recordkeeping	Y	
60.4214(c)	Recordkeeping	Y	
40 CFR 63, Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines		
63.6585	Am I subject to this subpart?	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60.	Y	
BAAQMD Condition #22852			
Part 1	Hours of Reliability-Related Testing (Section 93115, title 17, CCR)	Y	
Part 2	Emergency Conditions (Section 93115, title 17, CCR)	Y	
Part 3	Meter Requirement (Section 93115, title 17, CCR)	Y	
Part 4	Maintain Operating Log (Section 93115, title 17, CCR)	Y	
Part 5	At School and Near-School Provisions (Section 93115, title 17, CCR)	Y	
BAAQMD Condition #24357			
Part 1	Engine emissions will be abated at all times (Cumulative Increase, Regulation 2-5)	Y	
Part 2	PM filter shall be cleaned prior to 2000 hrs of service (Cumulative Increase, Regulation 2-5)	Y	
Part 3	Recordkeeping	Y	

IV. Source-specific Applicable Requirements

Table IV-L
Source-specific Applicable Requirements
S197, EMERGENCY SLUDGE LOADING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)		
1-301	Public Nuisance	Y	
BAAQMD Condition #24708			
Part 1	Abatement of odorous emissions required (Basis: BAAQMD Regulation 1-301)	Y	
Part 2	Operate only when S9 and S10 are not available. (Basis: BAAQMD Regulation 1-301)	Y	
Part 3	Operate S197 in an Enclosed Area (Basis: BAAQMD Reg. 1-301)	Y	
Part 4	Recordkeeping (Basis: Recordkeeping)	Y	

V. SCHEDULE OF COMPLIANCE

The owner/operator shall comply with all applicable requirements cited in this permit. The owner/operator shall also comply with applicable requirements that become effective during the term of this permit.

VI. PERMIT CONDITIONS

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

Condition 193

For: S100, Wastewater Treatment Plant

1. Flowrate

The owner/operator shall ensure that the total wastewater flow rate does not exceed 53.8 million gallons per day on a calendar month average during dry weather periods or 140 million gallons per day on a calendar month average during wet weather periods. For the purposes of this limit, wet weather is defined as the months from October through May. [Basis: Cumulative Increase]

2. Nuisance

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

3. Records

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

- a. Daily and monthly (calendar basis) records of the quantity of wastewater processed at this source.
- b. Monthly records shall be totaled for each consecutive 12-month period.
- c. All records shall be retained onsite for five years from the date of entry.

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Condition 1716

For: S24, Centrifuges and Cake Hoppers

1. *The owner/operator of S24 shall ensure that the H₂S concentration at the stack outlet of A14 or A15 does not exceed 1.50 ppm, by volume. (Basis: BAAQMD Regulation 1-301)
2. *If the District receives ten or more confirmed odor complaints within a 90 day period, the owner/operator shall install an area monitoring system for H₂S at Central Contra Costa Sanitary District as described in Regulation 1-510 and comply with Regulation 9 Rule 2 Sections 9-2-301 and 9-2-501. The owner/operator shall install and operate this area monitoring system within 6 months from the date the tenth odor complaint is confirmed. (Basis: BAAQMD Regulation 1-301)
3. *The owner/operator shall not operate S24 unless it is abated by A14 or A15 packed tower. (Basis: BAAQMD Regulation 1-301)

Condition 7046

For: S120, Primary Treatment

1. *The owner/operator shall ensure that the pre-aeration tank area and adjacent wastewater distribution channels at S120 are enclosed and gaseous emissions from these portions of S120 are abated by A120 at all times that malodorous compounds are present at S120. (Basis: BAAQMD Regulation 1-301)

Condition 7124

For: S110, Preliminary Treatment

1. *The owner/operator shall ensure that odorous emissions from S110 are abated by A23 and A24 at all times that malodorous compounds are present at S110. (Basis: BAAQMD Regulation 1-301)
2. *The owner/operator shall ensure that S110 does not emit odorous emissions in such quantities that cause a public nuisance per Regulation 1-301. (Basis: BAAQMD Regulation 1-301)

Condition 13082

For: S180, Dissolved Air Flotation Units and Sludge Blending Tanks

1. *The owner/operator shall ensure that each of the three dissolved air

VI. Permit Conditions

floatation (DAF) units at S180 is equipped and operated with a District approved cover and ducting in place to route emissions from the DAF units to A187 for abatement. (Basis: BAAQMD Regulation 1-301)

2. *The owner/operator shall ensure that malodorous gaseous emissions from each of the three dissolved air floatation units (DAF) units at S180 is routed to and abated at all times that these portions of S180 are sources of malodorous emissions. (Basis: BAAQMD Regulation 1-301)

Condition 17105

For: S25, Non Retail Gasoline Dispensing Facility

1. *The owner/operator shall ensure that this facility's annual gasoline throughput does not exceed 400,000 gallons in any consecutive 12 month period. (Basis: BAAQMD Regulation 2, Rule 5)
2. *In order to demonstrate compliance with the above condition, The owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above condition, including the following information:

Monthly gasoline throughput (gallons/month)

The owner/operator shall ensure that all records shall be retained on-site for five 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. (Basis: BAAQMD Regulation 2, Rule 5)

Condition 21422

For:

S7 Auxiliary Steam Boiler 1

S8 Auxiliary Steam Boiler 2

Both Boilers Specified as Follows: Cleaver Brooks CB700, Maximum Firing Capacity: 28 MM Btu/hr (HHV) with High Turn Down Multi-fuel Burners and Cleaver Brooks induced Flue Gas Recirculation System, Load Following.

1. The owner/operator shall fire S7 Boiler and S8 Boiler at a rate not to exceed 28 MM Btu/hr (HHV) per boiler. (Basis: Cumulative Increase)
2. The owner/operator of S7 Boiler and S8 Boiler shall monitor and record the sulfur content of the landfill gas at a frequency of at least one time every calendar month when burning landfill gas. (Basis: BAAQMD 1-441)

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3. To demonstrate compliance with Regulation 9-1-302, the owner/operator shall calculate and record the exhaust gas SO₂ concentration from each of S7 Boiler and S8 Boiler at least 1 time every calendar quarter. The owner/operator shall use the sulfur content of the fuels in conjunction with a material balance to calculate the exhaust gas SO₂ concentration. (Basis: BAAQMD 9-1-302)
4. The owner/operator shall not fire S7 Boiler and S8 Boiler with non-gaseous fuel except during a natural gas curtailment or during testing to verify readiness for such a curtailment. (Basis: Cumulative Increase)
5. The owner/operator shall do the following:

To demonstrate ongoing compliance with the 15 ppm NO_x limit for load-following gaseous fuel fired devices in Regulation 9-7-307.4, the 30 ppm NO_x limit for landfill gas fired devices in Regulation in 9-7-307.7, and the 400 ppm CO limit in Regulations 9-7-307.4 and 9-7-307.7, the owner/operator shall perform a compliance source test of S-7 and S-8 at a frequency of at least 1 time every 60 months, or more frequently if required by applicable requirements of Regulation 9-7, after the previous source test. (Basis: Cumulative Increase, Regulations 9-7-307.4 and 9-7-307.7)

The owner/operator shall ensure the compliance source tests are conducted in accordance with District Manual of Procedures (MOP).

6. To ensure compliance with Regulation 8-34-301.4, the owner/operator shall maintain the rolling 3 clock-hour average first pass boiler temperature of S7 and S8 at 770 degrees F or greater when burning landfill gas. (Basis: 40 CFR 50.758c(1)(i))

If a source test demonstrates compliance with all applicable requirements at a different minimum first pass temperature, the APCO may revise the above temperature limit, in accordance with the procedures identified in Regulation 2-6-414 or 2-6-415 based on the following criteria. The minimum first pass temperature for S7 and S8 shall be equal to the average first pass temperature measured during a complying source test (NMOC and CO emission limits were met) minus 50 deg. F. (Basis: 40 CFR 60.758c(1)(i))

7. The owner/operator shall maintain the following records and provide all of the data necessary to demonstrate compliance with the above conditions, including the following information:
 - a. Monthly records of the quantity of natural gas, landfill gas, and distillate oil burned at each source.

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- b. The owner/operator shall assume that the distillate oil contains 15 ppm sulfur by weight.
- c. Monthly records shall be totaled for each consecutive 12-month period.
- d. Records of the rolling 3 clock-hour average first pass boiler temperatures.
- e. All source test results
- f. Annual records of stack gas temperature.

All records shall be retained on site for five years from the date of entry, and made available for inspection by the District upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations.

(Basis: Cumulative Increase, BAAQMD 8-34-301.4, 9-1-304, 9-7-312)

- *8. The owner/operator shall maintain the stack gas temperature for each boiler at no more than 466 F. The owner/operator shall measure and record the stack gas temperature for each boiler at least once per year. (Basis: 9-7-312)

Condition 21423

For:

S9, Furnace 1; S10, Furnace 2

Both Furnaces specified as follows: Sewage Sludge Incinerators, BSP Multiple Rotary Hearth, 27 MM Btu/hr Max Heat Input

- 1. The owner/operator shall ensure that solid fuel is solids derived from CCCSD sewage operations only. (Basis: Cumulative Increase)
- 2. The owner/operator shall ensure that S9 and S10 combined solid fuel throughput does not exceed 120 ton/day and 20,000 ton in any consecutive 12 month period (Basis: Cumulative Increase)
- 3. The owner/operator shall ensure that particulate emissions do not exceed 0.65 gram per kilogram of dry sludge input (1.3 lb/ton dry sludge input) (Basis: 40 CFR 60.152(a)(1), NSPS).
- 4. The owner/operator shall ensure that particulate emissions do not exceed 343 mg/dscm (0.15 grain per dscf) of exhaust gas volume. The actual measured concentration of particulate matter in the exhaust gas shall be corrected to the concentration which the same quantity of particulate matter would constitute in the exhaust gas minus water vapor corrected to standard conditions, containing 12% CO₂ by volume, and as if no auxiliary fuel had been used (Basis: BAAQMD 6-1-310.1, SIP 6-310.1).
- 5. The owner/operator shall ensure that visible emissions do not exceed 20 percent opacity as detected by an opacity sensing device for a period or

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periods aggregating more than three minutes in any hour). To comply with this part the owner/operator shall install and maintain a District-approved opacity sensing continuous emission monitor (CEM). (Basis: BAAQMD 6-1-302, 6-1-401, 40 CFR 64, 40 CFR 60.152(a)(2))

6. The owner/operator shall ensure that total combined beryllium emissions from S9 and S10 are not to exceed 10 grams in any 24 hr period. Unless a waiver is obtained by the APCO (according to 40 CFR 60.13) the owner/operator is to demonstrate compliance according to EPA Method 104 of Appendix B of 40 CFR 61.33. (Basis: BAAQMD 11-3-301, 40 CFR 61.32(a))
7. The owner/operator shall ensure that total combined mercury emissions from S9 and S10 are not to exceed 3200 gram per 24 hour period. Compliance with this section may be demonstrated by performing an EPA Method 105 (Mercury in Wastewater Treatment Plant Sewage Sludge) test or an equivalent test as pre-approved by the APCO. (Basis: BAAQMD 11-5-302, 40 CFR 61.52)
8. If mercury emissions exceed 1600 gram per 24 hour period, the owner/operator shall monitor mercury emissions from S9 and S10 at a frequency of at least once every 12 months. (Basis: 40 CFR 61.55(a))
9. The owner/operator shall ensure that lead emissions do not exceed 15 lb/day per furnace (Basis: BAAQMD 11, Rule 1).
10. To demonstrate compliance with parts 4 through 9, above, and with Regulation 6-1-311, the owner/operator shall perform District-approved source tests at a frequency of at least once every 60 months of furnace operation following the previous source test. Note: Source tests performed prior to issuance of the Title V permit may be used to demonstrate initial compliance as long as District-approved sampling and analysis methods were used. Source tests to demonstrate compliance with 40 CFR part 503 may also be used to demonstrate compliance as long as District-approved sampling and analysis methods were used and approved by the APCO. Source test results shall be submitted to the APCO within 60 days of field test completion.. (Basis: BAAQMD 2-6-501)
 - a. Sewage Sludge sampling: Sewage sludge sampling shall be performed as noted in condition 13(f) below. The owner/operator shall use Method 209F, Method for Solid and Semisolid Sampling, to determine dry sludge content and Method 105 for mercury. (Basis: 40 CFR 60.154(b)(5), 40 CFR 61.54(a). 40 CFR 64)
 - b. Exhaust particulate testing: Three composite exhaust samples shall be collected according to EPA Method 5 and analyzed for particulate mass.

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(Basis: 40 CFR 60.154(b)(2)).

c. Exhaust metals testing: Three composite exhaust samples shall be collected according to EPA Method 5. Two of the samples shall be analyzed by neutron activation for arsenic, cadmium, chromium, copper, nickel, selenium and zinc; and one sample shall be analyzed according to Method 104 (or Method 103) and Method 12, respectively, for beryllium and lead. (Basis: 40 CFR 61.33, 40 CFR 60.154(b)(2)).

11. Ongoing Emissions – Sulfur Dioxide: The owner/operator shall ensure that exhaust gas emissions do not exceed 300 ppm, dry SO₂. (Basis: BAAQMD 9-1-304)

To demonstrate compliance with this SO₂ requirement, the owner/operator shall perform a District-approved source test at a frequency of at least one time every calendar year. Source tests shall be conducted using BAAQMD Method ST-19A (or an approved equivalent method) according to a pre-approved source test protocol. Results shall be submitted to the APCO within 60 days of field test completion. (Basis: BAAQMD 9-1-304)

12. The owner/operator shall ensure that NMOC emissions are abated by at least 98% by weight across S9 and S10 or the concentration shall be less than 120 ppmv, dry NMOC, expressed as methane corrected to 3% oxygen when firing landfill gas. (Basis: 40 CFR 60.752(b)(2)(iii)(B))

To demonstrate that each furnace complies with this requirement, the owner/operator shall perform a District-approved initial source test within 60 days of S9 or S10 furnace startup, and ongoing source tests at a frequency of not less than 9 months nor greater than 12 months of furnace operation after the most recent compliance source test. Source test protocols shall be prepared and pre-approved by the APCO prior to performing any source tests. (Basis: BAAQMD Regulation 8-34-412)

To ensure compliance with the above NMOC abatement or emission standard, the owner/operator shall maintain the rolling 3 clock-hour average temperature of Hearth 1 at 1,000 degrees F or greater when firing landfill gas. The owner/operator shall calculate and record the rolling 3 clock-hour average temperatures in a District-approved log. (Basis: 40 CFR 60.758(c)(1)(i), 2-1-403)

If a source test demonstrates compliance with all applicable requirements at a different minimum hearth 1 temperature, the APCO may revise the above temperature limit, in accordance with the procedures identified in Regulation 2-6-414 or 2-6-415 based on the following criteria. The minimum hearth 1 temperature for S9 and S10 shall be equal to the average hearth 1

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temperature measured during a complying source test (NMOC emission limit was met) minus 50 degrees F. (Basis: 40 CFR 60.758(c)(1)(i))

13. Ongoing Monitoring: To demonstrate compliance with the above parts and as required by the New Source Performance Standard (NSPS) for sewage treatment plants the owner/operator shall:
 - a. Install, calibrate, maintain and operate a flow measuring device, which can be used to determine either the mass or volume of sludge charged to the furnace. The sludge flow measurement device shall be certified by the manufacturer to have an accuracy of plus or minus 5% over its operating range. The flow measurement device shall be operated continuously and data recorded during all periods of operation of the furnace. (Basis: 40 CFR 60.153(a)(1), 40 CFR 64)
 - b. Install, calibrate, maintain and operate a monitoring device that continuously measures and records the pressure drop of the gas flow through the wet scrubber. Where a combination of wet scrubbers is used in series, the pressure drop of the gas flow through the combined system shall be continuously monitored. The device used to monitor scrubber pressure drop shall be certified by the manufacturer to be accurate within plus or minus 1 inch water gauge and shall be calibrated on an annual basis in accordance with manufacturer's instructions. (Basis: 40 CFR 60.153(b)(1), 40 CFR 64)
 - c. Install, calibrate, maintain and operate a monitoring device that continuously measures and records the oxygen content of the furnace exhaust gases. The oxygen monitor shall be located upstream of any rabble shaft cooling air inlet in the furnace exhaust gas stream, fan, ambient air recirculation damper, or any other source of dilution air. The oxygen monitoring device shall be certified by the manufacturer to have a relative accuracy of plus or minus 5 percent over its operating range and shall be calibrated according to method(s) prescribed by the manufacturer at least once each 24-hour operating period. (Basis: 40 CFR 60.153(b)(2), 40 CFR 64)
 - d. Install, calibrate, maintain and operate temperature measuring devices at every hearth in the multiple hearth furnaces. A minimum of one thermocouple shall be installed in each hearth in the cooling and drying zones, and a minimum of two thermocouples shall be installed in each hearth in the combustion zone. Each temperature measuring device shall be certified by the manufacturer to have an accuracy of plus or minus 5 percent over its operating range. The temperature monitoring devices shall be operated continuously and data recorded during all periods of operation of the furnace. (Basis: 40 CFR 60.153(b)(3), 40 CFR 64)

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- e. Install, calibrate, maintain and operate a device for measuring the fuel flow to the furnace. The flow measuring device shall be certified by the manufacturer to have an accuracy of plus or minus 5 percent over its operating range. The fuel flow device(s) shall be operated continuously and data recorded during all periods of operation of the furnace. (Basis: 40 CFR 60.153(b)(4), 40 CFR 64)
 - f. Collect and analyze a grab sample of the sludge fed to the furnace once per day. The dry sludge content and the volatile solids content shall be determined in accordance with the method specified in 40 CFR 60.154 c (2). (Basis: 40 CFR 60.153(b)(5), 40 CFR 64)
 - g. In order to demonstrate compliance with part 2, above, the owner/operator shall maintain daily records of total solid fuel throughput (ton/day) to S9 and S10 sewage sludge furnaces. (Basis: Cumulative Increase)
 - h. All records shall be retained onsite for a period of at least 5 years and made available to the APCO upon request. (Basis: Cumulative Increase)
14. Reporting: As required by the New Source Performance Standard (NSPS), the owner/operator shall submit to the Administrator and the APCO semi-annually a report in writing which contains the following: (Basis: 40 CFR 60.155):
- a. A record of average wet scrubber pressure drop measurements for each period of 15 minutes duration or more, when feeding sludge to the furnace, when the pressure drop of the scrubber was less than the following limits. Pressure drops lower than these levels will be considered to be exceedances as defined by 40 CFR 64.1. (Basis: 40 CFR 60.155(a)(1)).
 - i. S9 (Furnace 1) Wet Scrubber A2: 5.9 inches W.C.
 - ii. S10 (Furnace 2) Wet Scrubber A4: 4.7 inches W.C.(Basis: 40 CFR 60.155, 40 CFR 64)
 - b. A record of average oxygen content in the incinerator exhaust gas (prior to dilution) for each period of 1-hour duration or more that the oxygen content exceeds 10 percent, when the incinerator contains sludge. An oxygen content greater than this level shall be considered to be an excursion as defined by 40 CFR 64.1. (Basis: 40 CFR 60.155(a)(2), 40 CFR 64).

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- c. Any recent reports as appropriate or as requested by the APCO. (Basis: 40 CFR 60.155(a)(3), (4), (5), (6))
- d. The owner/operator shall submit, together with the monitoring reports required by Standard Condition I.F of this permit, summary information on the number, duration, and cause of any excursions, when the incinerator contains sludge, as defined in 40 CFR 64.1 and any corrective actions taken for the following parameters at S9 and S10:
 - i. Dry sludge flow greater than 60 tpd at either incinerator
 - ii. Auxiliary fuel flow greater than 27 MMbtu/hr at either incinerator
 - iii. Hearth temperatures lower than
 - a. Hearth 1: 1000 Deg F, on a clock-hr basis
 - b. Hearth 2: 800 Deg F, on a clock-hr basis
 - c. Hearth 3: 1000 Deg F, on a clock-hr basis
 - d. Hearth 4: 1000 Deg F, on a clock-hr basis
 - e. Hearth 5: 1000 Deg F, on a clock-hr basis
 - f. Hearth 6: 1000 Deg F, on a clock-hr basis
 - g. Hearth 7: 100 Deg F, on a clock-hr basis
 - h. Hearth 8: 100 Deg F, on a clock-hr basis
 - i. Hearth 9: 80 Deg F, on a clock-hr basis
 - j. Hearth 10: 40 Deg F, on a clock-hr basis
 - k. Hearth 11: 40 Deg F, on a clock-hr basis
 - iv. Volatile solid content of sewage sludge greater than 95%, on a daily basis
(Basis: 40 CFR 64.9(a)(2)(i))
- e. The owner/operator shall submit, together with the monitoring reports required by Standard Condition I.F of this permit, summary information on the number, duration, and cause of any exceedances as defined in 40 CFR 64.1 and any corrective actions taken for the following parameters at S9 and S10, when the incinerator contains sludge:
 - i. Internal afterburner (Hearth 1) temperature lower than 1000 Deg F
 - ii. Opacity greater than 20%
(Basis: 40 CFR 64.9(a)(2)(i))
- f. The owner/operator shall submit, together with the monitoring reports required by Standard Condition I.F of this permit, summary information on the number, duration, and cause of any monitor downtime incidents at the following monitors:
 - i. Sludge flow monitor
 - ii. Scrubber pressure drop monitor
 - iii. Oxygen monitor
 - iv. Auxiliary fuel flow monitors
 - v. Internal afterburner (Hearth 1) temperature monitor
 - vi. Hearth 2-11 temperatures

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- vii. Opacity monitor
(Basis: 40 CFR 64.9(a)(2)(ii))

Condition 21425

For: S182, Ash Conveying System

1. The owner/operator shall ensure that all particulate emissions at S182 are abated by either Baghouse A186, Baghouse A196, or Cyclone A191/Baghouse A192. (Basis: Cumulative Increase)
2. The owner/operator shall ensure that A186 Baghouse Filters, A196 Baghouse Filters, and A191 Cyclone/A192 Baghouse System are properly maintained and kept in good working order. (Basis: Cumulative Increase)
3. The owner/operator shall ensure that A186 Baghouse Filters, A196 Baghouse Filters, and A191 Cyclone/A192 Baghouse System are operated according to and within manufacturer's operating specifications. (Basis: Cumulative Increase)
4. The owner/operator shall ensure that the particulate emissions control systems A186 Baghouse Filters, A196 Baghouse Filters, and A191 Cyclone/A192 Baghouse System, are monitored continuously for particulate emissions by the use of a Mikro-Charge LeakGauge or equivalent instrument with a setpoint to detect particulate emissions and activate an operator alarm. In the event of an alarm indicating a filter system leak, the owner/operator shall take all corrective action necessary to minimize emissions and to make the needed repairs. The owner/operator shall ensure that the Mikro-Charge LeakGauge system is properly maintained and operated as per Manufacturer recommendations. [Basis: BAAQMD 2-6-503]
5. The owner/operator shall ensure that the exhaust stacks from particulate emissions abatement system A186, A196, and A191/A192 are visually checked and the observation recorded in a District-approved log at a frequency of at least one time per day during daylight hours either by using the remote control rooftop video camera or by a personal rooftop inspection of the exhaust stacks by the plant operator. An observation of a visible emission would constitute an abatement system leak, requiring the owner/operator to take immediate action to minimize further leakage and to make the necessary repairs. (Basis: BAAQMD 2-6-501)
6. The owner/operator shall keep records of all Mikro-Charge LeakGauge alarm events, visible emissions checks including the operator performing the check, and all maintenance performed on A186 Baghouse Filters,

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A196 Baghouse Filters, and A191 Cyclone/A192 Baghouse System, and the Mikro-Charge LeakGauge Instrument system. The records shall be retained for five (5) years and shall be made available to District personnel upon request. [Basis: BAAQMD 2-6-501]

Condition 21485

For: S188, Natural Gas Fired Turbine Generator with HRSG; Solar Model Centaur T-4700, 3500 KW; Maximum Firing Capacity - 49.5 MMBtu/hr (HHV).

- 1a. The owner/operator shall ensure that S188 is fired only on natural gas. (Basis: Cumulative Increase)
- 1b. The owner/operator shall ensure that the S188 firing rate does not exceed 1188 MMBtu/day (HHV). (Basis: Cumulative Increase)
- 1c. The owner/operator shall ensure that all natural gas burned at S188 is PUC quality gas. (basis: 2-1-403)
2. The owner/operator shall ensure that NO_x emissions from S188 do not exceed 42 ppmv, dry, at 15% oxygen based on a three clock hour average. (Basis: SIP Regulation 9-9-301.1))
3. The owner/operator shall ensure that NO_x emissions from S188 do not exceed 167 ppmv, dry, at 15% oxygen based on a clock-hour average. (Basis: 40 CFR 60.332)
4. The owner/operator shall ensure that NO_x emissions from S188 do not exceed 118 pounds in any rolling consecutive 24 hour period. (Basis: Cumulative Increase)
5. The owner/operator shall ensure that NO_x emissions from S188 do not exceed 19.824 tons in any rolling 365 consecutive day period. (Basis: Cumulative Increase)
6. The owner/operator shall ensure that CO emissions from S188 do not exceed 157 pounds each rolling consecutive 24 hour period. (Basis: Cumulative Increase)
7. The owner/operator shall ensure that CO emissions from S188 do not exceed 26.376 tons in any rolling 365 consecutive day period. (Basis: Cumulative Increase)
8. Deleted Application 23445.
9. To demonstrate compliance with conditions 6 and 7 above, the owner/operator shall perform a-compliance source test at a frequency of at

VI. Permit Conditions

- least 1 time every 60 months after the most recent source test. Source test results shall be kept onsite and made available to the BAAQMD staff upon request. (Basis: Cumulative Increase)
10. The owner/operator shall ensure that the stack at S188 is equipped with BAAQMD approved source testing ports to allow for the suitable sampling and testing of process flue gas emissions from S188. (Basis: Cumulative Increase)
 11. The owner/operator shall operate a BAAQMD approved NO_x emission monitoring and recording system for S188 to continuously assure compliance with parts 2, 4, and 5 of this condition, and the limit in 40 CFR 60.332(c). The owner/operator shall retain records made to comply with this condition for at least five years from date of last entry. This log shall be kept on-site and made available to the BAAQMD staff upon request. (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501, 9-9-301.1, 40 CFR 60.334(b))
 12. The daily usage of natural gas at S188, as measured at a BAAQMD approved fuel meter dedicated solely to this sources, shall be recorded daily in cubic feet (or thousands of cubic feet) in a BAAQMD approved log. This log shall be retained for at least five years from date of last entry. This log shall be kept on-site and made available to the BAAQMD staff upon request. (Basis: Cumulative Increase, BAAQMD Regulation 2-6-501)
 13.
 - a. The owner/operator shall operate a USEPA approved fuel flow monitor to show compliance with part 1b of this condition. (Basis: Cumulative Increase)
 - b. During periods that the continuous emission monitor for NO_x is not operating, the owner/operator may use the water injection flow monitor and calculate the water-to-fuel ratio on a clock hour basis to show compliance with the NO_x limit in 40 CFR 60.332(a)(2). (Basis: 40 CFR 60, sections 332(a)(2) and 334(a))
 14. The owner/operator shall ensure that exhaust gas emissions do not exceed 300 SO₂ ppmv, dry. (Basis: BAAQMD 9-1-302)
 15. During the start-up of S188, this source shall be granted a start-up grace period during which S188 need not meet the emission limit indicated in part 2, and part 3, above. All other conditions imposed on S188 shall remain in effect and enforceable. This start-up grace period shall begin once fuel is first combusted at S188 and shall end not more than three hours later. NO_x emissions during this start-up grace period shall not be included in the cumulative NO_x emissions of any rolling consecutive 24-hour period.

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During subsequent additional start-ups of S188 within a single 24 consecutive hour period, there shall be no start-up grace period and all conditions imposed on S188 shall be in effect and enforceable. The owner/operator shall ensure that each start-up is recorded in a District-approved log which shall be retained for at least five years from the date of last entry, be kept on site, and made available to the District upon request. (Basis: BAAQMD 9-9-114)

16. During the shutdown of S188, this source shall be granted a shutdown grace period during which S188 need not meet the emission limit indicated in part 2, and part 3, above. All other conditions imposed on S188 shall remain in effect and enforceable. This shutdown grace period shall be defined as the last hour of operation of S188 preceding the time that all fuel combustion at S188 has ceased. NOx emissions during this start-up grace period shall not be included in the cumulative NOx emissions of any rolling consecutive 24-hour period. Not more than one such grace period may occur in any 24 consecutive hour period. During additional shutdowns of S188 within a single 24 consecutive hour period, there shall be no shutdown grace period and all conditions imposed on S188 shall remain in effect and enforceable. The owner/operator shall ensure that each shutdown is recorded in a District-approved log which shall be retained for at least five years from the date of last entry, be kept on site, and made available to the District upon request. (Basis: BAAQMD 9-9-114)

Condition 22852

For S195, S196, Emergency Standby Generator, Detroit Diesel, Model 16V4000G43, 3058 BHP, 2008

1. The owner/operator shall not exceed 100 hours per year per engine for reliability-related testing. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed,

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operated and properly maintained. [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.

- a. Hours of operation for reliability-related activities (maintenance and testing).
- b. Hours of operation for emission testing to show compliance with emission limits.
- c. Hours of operation (emergency).
- d. For each emergency, the nature of the emergency condition.
- e. Fuel usage for each engine(s). [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

4 At School and Near-School Operation:

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

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

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

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Condition 24357

For: A1195, A1196, Catalyzed Diesel Particulate Filter, Miratech, Model P
CBS164V-55-20

1. The owner/operator shall abate emissions from the engine at all times. [Basis: Cumulative Increase, Regulation 2-5]
2. The owner/operator shall clean the filter on or before 2,000 hours of operation. [Basis: Cumulative Increase, Regulation 2-5]
3. The owner/operator shall maintain the following records:
 - a. The date, action taken, reading on hour meter and the reason of any catalyst maintenance and regeneration; and
 - b. Diesel fuel specifications indicating the sulfur content. Records shall be kept for at least 36 months from the date the record was made. Records shall be made available to District staff upon request. [Basis: Recordkeeping]

Condition 24708

For S197, Emergency Sludge Loading Facility, 22.7 ton/hr

1. When operating, the owner/operator shall abate S197 with A197 at all times. The owner/operator shall ensure that A197 is installed, operated and maintained in good working order. [Basis: BAAQMD Regulation 1-301]
2. The owner/operator shall only operate S197 when S9 and S10 are not available. [Basis: BAAQMD Regulation 1-301]
3. The owner/operator shall operate S197 in an enclosed area. [Basis: BAAQMD Regulation 1-301]
4. The owner/operator shall keep records of the date, time, amount of sludge loaded and the reason(s) S9 and S10 were not available. Records shall be retained for at least 24 months from the date the record was made. Records shall be made available to the District upon request. [Basis: Recordkeeping]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-7 Auxiliary Boiler, Multi-Fuel
S-8 Auxiliary Boiler, Multi-Fuel

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	SIP 9-7-301.1 (Gaseous Fuels)	Y		30 ppmv @ 3% O ₂ , dry	BAAQMD Condition #21422, part 7	P/once every 60 months	source test
	SIP 9-7-302.1 (Non-Gaseous Fuels)	Y		40 ppmv @3% O ₂ , dry	BAAQMD Condition #21422, part 7	P/once every 60 months	source test
	SIP 9-7-305.1	Y		150 ppmv @ 3% O ₂ , dry when burning non-gaseous fuel due to natural gas curtailment	BAAQMD 9-7-503.2	P/E	Records
	SIP 9-7-306.1	Y		150 ppmv @ 3% O ₂ , dry when burning non-gaseous fuel for testing	BAAQMD 9-7-503.2	P/E	Records
NOx	BAAQMD	N		150 ppmv, dry at 3% O ₂	BAAQMD	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-7 Auxiliary Boiler, Multi-Fuel
S-8 Auxiliary Boiler, Multi-Fuel

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	9-7-113.2			when burning non-gaseous fuel during natural gas curtailment for up to 168 hours in any consecutive 12-month period or 48 hours for testing in any consecutive 12-month period	9-8-503.3		
NOx	BAAQMD 9-7-307.4	N		15 ppmv @ 3% O ₂ , dry for gaseous fuels except landfill or digester gas	BAAQMD Condition #21422, part 5	P/once every 60 months	source test
	BAAQMD 9-7-307.4	N		15 ppmv @ 3% O ₂ , dry for gaseous fuels except landfill or digester gas	BAAQMD 9-7-506	P/A	Portable analyzer
NOx	BAAQMD 9-7-307.7	N		30 ppmv @ 3% O ₂ , dry for landfill or digester gas	BAAQMD Condition #21422, part 5	P/once every 60 months	source test
	BAAQMD 9-7-307.7	N		30 ppmv @ 3% O ₂ , dry for landfill or digester gas)	BAAQMD 9-7-506	P/A	Portable analyzer
CO	SIP 9-7-301.2 (Gaseous Fuels)	Y		400 ppmv @ 3% O ₂ , dry	BAAQMD Condition #21422, part 7	P/once every 60 months	source test
CO	SIP 9-7-302.2 (Non-Gaseous Fuels)	Y		400 ppmv @ 3% O ₂ , dry		N	
	SIP	Y		400 ppmv @ 3% O ₂ , dry	BAAQMD	P/E	Records

Renewal Date: March 12, 2015

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-7 Auxiliary Boiler, Multi-Fuel
S-8 Auxiliary Boiler, Multi- Fuel

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	9-7-305.2			when burning non-gaseous fuel due to natural gas curtailment	9-7-503.2		
	SIP 9-7-306.2	Y		400 ppmv @ 3% O ₂ , dry when burning non-gaseous fuel for testing	BAAQMD 9-7-503.3	P/E	Records
	BAAQMD 9-7-307.4, 9-7-307.7, and 9-7-307.8	N		400 ppmv @ 3% O ₂ , dry for gaseous, landfill gas and digester gas	BAAQMD Condition #21422, part 5	P/once every 60 months	source test
	BAAQMD 9-7-307.4, 9-7-307.7, and 9-7-307.8	N		400 ppmv @ 3% O ₂ , dry for gaseous, landfill gas and digester gas	BAAQMD 9-7-506	P/A	portable analyzer
SO _x	BAAQMD 9-1-301	Y		GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD Condition #21422, part 3	P/Q	Fuel Sulfur Analysis based calculation
	BAAQMD 9-1-304	Y		Sulfur content of fuel (<0.5% by wt)		None	
	BAAQMD Condition #21422, part 2	Y		300 ppm (dry)	BAAQMD Condition #21422, part 2	P/ Q	Fuel Sulfur Analysis based calculation
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1		N	
	SIP	Y		Ringelmann No. 1		N	

Renewal Date: March 12, 2015

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-7 Auxiliary Boiler, Multi-Fuel
S-8 Auxiliary Boiler, Multi- Fuel

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	6-301						
FP	BAAQMD 6-1-310	N		0.15 grains/dscf @ 6% O ₂		N	
	SIP 6-310	Y		0.15 grains/dscf @ 6% O ₂		N	
Organics & CH ₄	BAAQMD, Condition #21422, part 8	N		Emission Reduction: 98% by weight or concentration less than 120 ppmvd NMOC, as methane @ 3% O ₂	BAAQMD, Condition #21422, part 8	C	temperature monitor and recorder
	BAAQMD 8-34-301.2	N		Max Leakage: 1000 ppmv (as CH ₄)	BAAQMD 8-39-503	P/Q	Leak Testing
	BAAQMD 8-34-301.4	N		Emission Reduction: 98% by weight or concentration less than 120 ppmvd NMOC, as methane and at 3% O ₂	8-34-507	C	temperature monitor and recorder
	BAAQMD 8-34-301.4	N		Emission Reduction: 98% by weight or concentration less than 120 ppmvd NMOC, as methane and at 3% O ₂	8-34-508	C	gas flow meter
Organics & CH ₄	BAAQMD 8-34-301.4	N		Emission Reduction: 98% by weight or concentration less than 120 ppmvd NMOC, as methane and at 3% O ₂	8-34-412	P/A	source test
Organics & CH ₄	BAAQMD 8-34-301.42	Y		Max Leakage: 1000 ppmv (as CH ₄)	BAAQMD 8-39-503	P/Q	Leak Testing
Heat input	BAAQMD Condition	Y		Not to exceed 28 MMbtu/hr	BAAQMD Condition	P/M	Records

Renewal Date: March 12, 2015

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-7 Auxiliary Boiler, Multi-Fuel
S-8 Auxiliary Boiler, Multi- Fuel

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	#21422, part 1				#21422, part 9a		
Boiler Temp	BAAQMD Condition #21422, part 8	Y		770 degrees F or greater, when burning landfill gas	BAAQMD Condition #21422, part 8	C	Records
Stack Gas Temp	9-7-312	N		466 F.	BAAQMD Condition #21422, part 8	P/A	During source test

VII. Applicable Limits and Compliance Monitoring Requirements

-Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S9, Furnace 1, Sewage Sludge (Incinerator)
S10, Furnace 2, Sewage Sludge (Incinerator)

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	40 CFR 60, Subpart Mmmm, Section 5165; Table 3	Y	3/21/16	26 ppm (dry) @ 7% O ₂	40 CFR 60, Subpart Mmmm, Sections 5185(a) and 5205, Table 3	P/A	Exhaust Source Test
	40 CFR 60, Subpart Mmmm, Section 5165; Table 3	Y	3/21/16	26 ppm (dry) @ 7% O ₂	40 CFR 60.5165-Table 4	C	Scrubber Liquid pH
	BAAQMD 9-1-301	Y		GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-304	Y		300 ppm (dry)	BAAQMD Condition #21423 part 11	P/A	source test
NO _x	40 CFR 60, Subpart Mmmm, Section 5165; Table 3	Y	3/21/16	220 ppm (dry) @ 7% O ₂	40 CFR 60 Sections 5185(a) and 5205, Subpart Mmmm, -Table 3	P/A	Exhaust Source Test
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1		N	
	SIP 6-301	Y		Ringelmann No. 1		N	
Opacity	BAAQMD 6-1-302	N		20% opacity for no more than 3 min in any hour	BAAQMD 6-1-501	C	COM
	SIP	Y		20% opacity for no	BAAQMD	C	COM

VII. Applicable Limits and Compliance Monitoring Requirements

–Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S9, Furnace 1, Sewage Sludge (Incinerator)
S10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	6-302			more than 3 min in any hour	6-501		
	40 CFR 60.152(a)(2)	Y		20% opacity	BAAQMD 6-1-501	C	COM
	BAAQMD Condition #21423, Part 5	Y		20% Opacity or greater	BAAQMD Condition #21423, Part 5	C	COM
FP	BAAQMD 6-1-310.1	N		0.15 grains/dscf @ 12% CO ₂ and as if no auxiliary fuel is used	BAAQMD Condition #21423, part 10	P/once every 60 months	Source test
	SIP 6-310.1	Y		0.15 grains/dscf @ 12% CO ₂ and as if no auxiliary fuel is used	BAAQMD Condition #21423, part 10	P/once every 60 months	Source test
	BAAQMD 6-1-311	N		4.10P ^{0.67} lb/hr, where P is process weight, lb/hr, not to exceed 40 lb/hr	BAAQMD Condition #21423, part 10	P/once every 60 months	Source test
FP	SIP 6-311	Y		4.10P ^{0.67} lb/hr, where P is process weight, lb/hr, not to exceed 40 lb/hr	BAAQMD Condition #21423, part 10	P/once every 60 months	Source test
FP	40 CFR 60.152(a)(1), BAAQMD Condition #21423, part 3	Y		0.65 g particulate matter/kg dry sludge	40 CFR 60.153(a)(1) and BAAQMD Condition 21423, part 13a	C	Sludge flow meter
	40 CFR	Y		0.65 g particulate	40 CFR	C	Pressure drop

VII. Applicable Limits and Compliance Monitoring Requirements

–Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S9, Furnace 1, Sewage Sludge (Incinerator)
S10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	60.152(a) (1)			matter/kg dry sludge (pressure drop shall not drop below individual furnace scrubber pressure setpoints for > 15 min in any hour)	60.153(b)(1), BAAQMD Condition 21423, parts 13b and 14a		meter
	40 CFR 60.152(a) (1)	Y		0.65 g particulate matter/kg dry sludge (oxygen content shall not exceed 10%)	40 CFR 60.153(b)(2), BAAQMD Condition 21423, parts 13c and 14b	C	O2 Meter
	40 CFR 60.152(a) (1)	Y		0.65 g particulate matter/kg dry sludge	40 CFR 60.153(b)(3) and BAAQMD Condition 21423, part 13d	C	Temperature monitoring
FP	40 CFR 60.152(a) (1)	Y		0.65 g particulate matter/kg dry sludge	40 CFR 60.153(b)(4) and BAAQMD Condition 21423, part 13e	C	Fuel flow meter
	40 CFR 60.152(a) (1)	Y		0.65 g particulate matter/kg dry sludge	40 CFR 60.153(b)(5) and BAAQMD Condition 21423, part 13f	P/D	Sludge sample and analysis
FP	40 CFR 60, Subpart MMMM, Section 5165;	Y	3/21/16	80 mg/dscm @ 7% O2	40 CFR 60, Subpart MMMM, Sections 5185(a) and 5205, Table 3	P/A	Exhaust Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

**-Table VII -B
 Applicable Limits and Compliance Monitoring Requirements
 S9, Furnace 1, Sewage Sludge (Incinerator)
 S10, Furnace 2, Sewage Sludge (Incinerator)**

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Table 3						
	40 CFR 60, Subpart MMMM, Section 5165; Table 3	Y	3/21/16	80 mg/dscm @ 7% O2 (combustion chamber operating temperature shall not drop below setpoints for > 15 min in any hour)	40 CFR 60, Subpart MMMM, Table 4	C	Temperature monitoring
	40 CFR 60, Subpart MMMM, Section 5165; Table 3	Y	3/21/16	80 mg/dscm @ 7% O2 (pressure drop shall not drop below individual furnace scrubber pressure setpoints for > 15 min in any hour)	40 CFR 60.5170- Table 4	C	Pressure drop meter
FP	40 CFR 60, Subpart MMMM, Section 5165; Table 3	Y	3/21/16	80 mg/dscm @ 7% O2 (scrubber liquid flow rate shall not drop below setpoints for > 15 min in any hour)	40 CFR 60.5170- Table 4	C	Liquid flow meter
	BAAQMD Condition #21423, part 4	Y		343 mg particulate/dscm (0.15 gr/dscf) of exhaust gas volume	BAAQMD Condition #21423, part 10	P/once every 60 months	Source test
NMOC	BAAQMD Condition #21423, Part 12	N		Emission Reduction: 98% by weight or concentration less than 120 ppmvd NMOC, as methane and at 3% O2	BAAQMD Condition 21423, part 12	C	temperature monitor and recorder

VII. Applicable Limits and Compliance Monitoring Requirements

–Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S9, Furnace 1, Sewage Sludge (Incinerator)
S10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CH ₄	BAAQMD 8-34-301.2	Y		Max Leakage: 1000 ppmv (as CH ₄)	BAAQMD 8-34-503	P/Q	leak monitoring
NMOC	BAAQMD 8-34-301.4	N		Emission Reduction: 98% by weight or concentration less than 120 ppmvd NMOC, as methane and at 3% O ₂	8-34-507	C	temperature monitor and recorder
NMOC	BAAQMD 8-34-301.4	N		Emission Reduction: 98% by weight or concentration less than 120 ppmvd NMOC, as methane and at 3% O ₂	8-34-508	C	gas flow meter
NMOC	BAAQMD 8-34-301.4	N		Emission Reduction: 98% by weight or concentration less than 120 ppmvd NMOC, as methane and at 3% O ₂	8-34-412	P/A	source test
HCl	40 CFR 60, Subpart Mmmm, Section 5165; Table 3	Y	3/21/16	1.2 ppm (dry) @ 7% O ₂	40 CFR 60, Subpart Mmmm, Sections 5185(a) and 5205, Table 3	P/A	Exhaust Source Test
	40 CFR 60, Subpart Mmmm,	Y	3/21/16	1.2 ppm (dry) @ 7% O ₂	40 CFR 60.5165; Table 4	C	Scrubber Liquid pH

VII. Applicable Limits and Compliance Monitoring Requirements

–Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S9, Furnace 1, Sewage Sludge (Incinerator)
S10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Section 5165; Table 3						
CO	40 CFR 60, Subpart Mmmm, Section 5165; Table	Y	3/21/16	3,800 ppm (dry) @ 7% O2	40 CFR 60, Subpart Mmmm, Sections 5185(a) and 5205, Table 3	P/A	Exhaust Source Test
Dioxins/ Furans	40 CFR 60, Subpart Mmmm, Section 5165; Table 3	Y	3/21/16	5.0 ng/dscm (total mass basis); or 0.32 ng/dscm (toxic equivalency basis) @ 7% O2	40 CFR 60, Subpart Mmmm, Sections 5185(a) and 5205, Table 3	P/A	Exhaust Source Test
H ₂ S	BAAQMD 9-2-301	N		24 Hour Standard: GLC not to exceed 0.06 ppm ave over 3 min and 0.03 ppm ave over 60 min		N	
Lead	BAAQMD 11-1-301, BAAQMD Condition #21423, Part 9	Y		15 lb/day	BAAQMD Condition #21423, part 10	P/once every 60 months	Sludge Analysis, Exhaust Source Test
	BAAQMD 11-1-302	Y		Max GLC (w/o background): 1.0 microgram/cu m (24 hr average)		N	
	40 CFR 60, Subpart Mmmm,	Y	3/21/16	0.30 mg/dscm	40 CFR 60, Subpart Mmmm, Sections 5185(a)	P/A	Exhaust Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

–Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S9, Furnace 1, Sewage Sludge (Incinerator)
S10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	Section 5165; Table 3				and 5205, Table 3		
Be	BAAQMD 11-3-301, BAAQMD Condition #21423, part 6	N		10 g/ 24 hr	BAAQMD Condition #21423, part 10	P/once every 60 months	Sludge Analysis, Exhaust Source Test
	40 CFR Part 61.32	Y		10 g/ 24 hr	BAAQMD Condition #21423, part 10	P/ once every 60 months	Sludge Analysis, Exhaust Source Test
Hg	BAAQMD 11-5-302, Condition #21423, Part 7	N		3200 g/24 hr	BAAQMD Condition #21423, parts 7, 8, 10	P/once every 60 months	Sludge Analysis, Exhaust Source Test
	40 CFR Part 61.52 (b)	Y		3.2 kg/24 hr	40 CFR Part 61.53	P/A	Sludge Analysis
	40 CFR 60, Subpart MMMM, Section 5165; Table 3	Y	3/21/16	0.28 mg/dscm	40 CFR 60, Subpart MMMM, Sections 5185(a) and 5205, Table 3	P/A	Exhaust Source Test
Cd	40 CFR 60, Subpart MMMM, Section 5165; Table 3	Y	3/21/16	0.095 mg/dscm @ 7% O2	40 CFR 60, Subpart MMMM, Sections 5185(a) and 5205, Table 3	P/A	Exhaust Source Test

Renewal Date: March 12, 2015

VII. Applicable Limits and Compliance Monitoring Requirements

-Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S9, Furnace 1, Sewage Sludge (Incinerator)
S10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Solid Fuel Feed Rate	Permit Condition #21423, Part 2	Y		120 ton sludge (dry)/day for S9 and S10 combined	Permit Condition #21423, Part 13a	P/C	flow measuring device
	Permit Condition #21423, Part 2	Y		20,000 ton sludge (dry)/consecutive 12-month period for S9 and S10 combined	Permit Condition #21423, Part 13a	P/C	flow measuring device
Sludge Feed Rate		Y	3/21/16		40 CFR 60, Subpart MMMM,-Section 5170(f)(1), Table 4	C	flow measuring device
Sludge Moisture		Y	3/21/16		40 CFR 60, Subpart MMMM,-Section 5170(f)(2), Table 4	P/D	Sludge analysis
Hearth-1 Min Temp	Permit Condition #21423, Part 12	Y		1,000 degrees F, rolling 3 clock-hour average	Permit Condition #21423, Part 13d	C	Temperature Measurement
Fugitive Emissions from Ash Handling	40 CFR 60, Subpart MMMM, Section 5170(d); Table 3	Y	3/21/16	5% of the hourly observation period	40 CFR 60, Subpart MMMM, Sections 5185(a) and 5205, Table 3	P/A	Visible Emission Test
Temperature	40 CFR 60, Subpart MMMM,-Section	Y	3/21/16	Minimum combustion chamber temperature TBD	40 CFR 60, Subpart MMMM,-Table 4	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

-Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S9, Furnace 1, Sewage Sludge (Incinerator)
S10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	5170(a), Table 4						
Pressure drop	40 CFR 60, Subpart MMMM,-Section 5170(b), Table 4	Y	3/21/16	Minimum pressure drop TBD	40 CFR 60, Subpart MMMM,-Table 4	C	Pressure drop monitoring
Pressure drop	40 CFR 60.152(a) (1); BAAQMD 6-1-310.1, SIP 6-310.1; BAAQMD 6-1-311, SIP 6-311;	Y	Upon issuance of renewal	S9: Minimum scrubber pressure drop: 5.9" W.C; S10: Minimum scrubber pressure drop: 4.7" W.C	40 CFR 64	C	Pressure drop monitoring
Scrubber liquid flow	40 CFR 60, Subpart MMMM,-Section 5170(b), Table 4	Y	3/21/16	Minimum flow rate TBD	40 CFR 60, Subpart MMMM,-Table 4	C	Flow monitoring
pH of scrubber liquid	40 CFR 60, Subpart MMMM,-Section 5170(b), Table 4	Y	3/21/16	Minimum pH TBD	40 CFR 60, Subpart MMMM,-Table 4	C	pH monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S24, Centrifuges and Cake Hoppers

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 6-1-301	N		Ringelmann No. 1		N	
	SIP 6-301	Y		Ringelmann No. 1		N	
FP	BAAQMD 6-1-310	N		0.15 grains/dscf		N	
	SIP 6-310	Y		0.15 grains/dscf		N	
	BAAQMD 6-1-311	N		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr		N	
	SIP 6-311	Y		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr		N	
H ₂ S	BAAQMD 9-2-301	N		24 Hour Standard: GLC not to exceed 0.06 ppm avg over 3 min and 0.03 ppm avg over 60 min		N	
H ₂ S	BAAQMD Condition #1716, Part 1	N		1.5 ppmv		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S25, Gasoline Dispensing Facility

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Throughput	Condition #7523, Part 1	N		400,000 gallons in any consecutive 12-month period	Condition #7523 Part 2	P/M	Records

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S180, Dissolved Air Flotation Units and Sludge Blending Tanks

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 6-1-301	N		Ringelmann No. 1		N	
	SIP 6-301	Y		Ringelmann No. 1		N	
FP	BAAQMD 6-1-310	N		0.15 grains/dscf		N	
	SIP 6-310	Y		0.15 grains/dscf		N	
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S182, Ash Conveying System

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 6-1-301	N		Ringelmann No. 1	BAAQMD Condition #21425, part 4	C	Mikro-Charge LeakGauge Particulate Monitor/Alarm
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Condition #21425, part 4	C	Mikro-Charge LeakGauge Particulate Monitor/Alarm
	BAAQMD 6-1-301	N		Ringelmann No. 1	BAAQMD Condition #21425, part 5	P/D	Operator Visual Stack Inspection
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Condition #21425, part 5	P/D	Operator Visual Stack Inspection
FP	BAAQMD 6-1-310	N		0.15 grains/dscf	BAAQMD Condition #21425, part 4	C	Mikro-Charge LeakGauge Particulate Monitor/Alarm
	SIP 6-310	Y		0.15 grains/dscf	BAAQMD Condition #21425, part 4	C	Mikro-Charge LeakGauge Particulate Monitor/Alarm
	BAAQMD 6-1-310	N		0.15 grains/dscf	BAAQMD Condition #21425, part 5	P/D	Operator Visual Stack Inspection
	SIP 6-310	Y		0.15 grains/dscf	BAAQMD Condition #21425, part 5	P/D	Operator Visual Stack Inspection
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #21425, part 4	C	Mikro-Charge LeakGauge Particulate Monitor/Alarm
	SIP	Y		$4.10P^{0.67}$ lb/hr, where	BAAQMD	C	Mikro-Charge

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S182, Ash Conveying System

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	6-311			P is process weight, ton/hr	Condition #21425, part 4		LeakGauge Particulate Monitor/Alarm
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #21425, part 5	P/D	Operator Visual Stack Inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #21425, part 5	P/D	Operator Visual Stack Inspection
FP	40 CFR 60, Subpart MMMM, Section 5165; Table 3	Y	3/21/16	Visible emissions for no more than 5% of every hour	40 CFR 60, Subpart MMMM, Sections 5185(a) and 5205, Table 4	P/A	Visible emissions test

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S188, Natural Gas Fired Turbine Generator with HRSG

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	N		42 ppmv, dry @ 15% O ₂ , 3-hr average	BAAQMD Condition #21485, part 11	C	CEM
NOx	SIP 9-9-301.1	Y		42 ppmv, dry @ 15% O ₂ , 3-hr average	BAAQMD Condition #21485, part 11	C	CEM
NOx	BAAQMD	N		2.12 lb/MW-hr or 42	BAAQMD	C	CEM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S188, Natural Gas Fired Turbine Generator with HRSG

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	9-9-301.2			ppmv @15% O ₂ , dry, 3-hr average	Condition #21485, part 11		
	40 CFR Part 60.332(a)(2) and (c)	Y		167 ppm (dry basis) @ 15% O ₂ on a clock-hour basis	40 CFR 60.334(b) BAAQMD Condition #21485, part 11	C	CEM
	40 CFR Part 60.332(a)(2) and (c)	Y		167 ppm (dry basis) @ 15% O ₂ on a clock-hour basis	40 CFR 60.334(a) BAAQMD Condition #21485, part 13b	C	Water-to-fuel monitoring (used only when NOx CEM is not operating)
NOx	BAAQMD Condition #21485, Part 2	Y		42 ppmv, dry @ 15% O ₂ , 3-hr average	BAAQMD 9-9-501, BAAQMD Condition #21485, part 11	C	CEM
	BAAQMD Condition #21485, part 4	Y		118 lb/day	BAAQMD Condition #21485, part 11	C	CEM
	BAAQMD Condition #21485, part 5	Y		19.824 ton/rolling 365 day period	BAAQMD Condition #21485, part 11	C	CEM
CO	BAAQMD Condition #21485, part 6	Y		157 lb/24 hour	BAAQMD Condition #21485, part 9	P/once every 60 months	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S188, Natural Gas Fired Turbine Generator with HRSG

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition #21485, part 7	Y		26.376 tons/rolling 365 day period	BAAQMD Condition #21485. part 9	P/once every 60 months	source test
SO2	BAAQMD 9-1-301	Y		GLC 0.5 ppm (3 min ave) 0.25 ppm (60 min ave) 0.05 ppm (24 hr avg)		N	
SO2	BAAQMD 9-1-302	N		Maximum exhaust stream conc - 300 ppm		N	
	NSPS Subpart GG, 60.333(b)	Y				N	
Opacity	BAAQMD 6-1-301	N		Ringelmann No. 1		N	
	SIP 6-301	Y		Ringelmann No. 1		N	
FP	BAAQMD 6-1-310.3	N		0.15 grains/dscf @ 6% O ₂		N	
	SIP 6-310.3	Y		0.15 grains/dscf @ 6% O ₂		N	
Fuel usage	BAAQMD Condition #21485, part 1b	Y		≤ 1188 MMbtu/day (HHV) on any fuel	BAAQMD Condition #21485, part 12	P/D	records

VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII-H
 Applicable Limits and Compliance Monitoring Requirements
 S195 and S196, Emergency Standby Diesel Generators**

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	N		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight		N	
Opacity	BAAQMD Regulation 6-1-303	N		> Ringelmann 2 for no more than 3 min/hr		N	
	SIP 6-303	Y		> Ringelmann 2 for no more than 3 min/hr		N	
FP	BAAQMD 6-1-310	N		0.15 grain/dscf		N	
	SIP 6-310	Y		0.15 grain/dscf		N	
Hours of operation	BAAQMD 9-8-330.1	Y		Emergency use for an unlimited number of hours	BAAQMD Cond# 22850, Parts 3 and 4	P/E	Meter, records
	BAAQMD 9-8-331.3	Y		Reliability-related activities not to exceed 100 hours in any calendar year	BAAQMD Cond# 22850, Part 3 and 4	P/E	Meter, records
	ATCM 93155.6(a)(3) (A)(2)	N		Reliability-related activities not to exceed 100 hours in any year	BAAQMD Cond# 22850, Part 3 and 4	P/E	Meter, records

VIII. TEST METHODS

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

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 6-1-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
SIP 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 8-2-301	Performance Standard - Total Carbon Hydrocarbon Emissions	Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A
BAAQMD 8-34-301.4	Performance Standard - Landfill Gas Collection/Destruction Efficiency	Manual of Procedures Volume IV, ST-7, or EPA Method 25 or 25A
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304	Fuel Burning Sulfur Limitations	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
BAAQMD 9-7-301.1-2	Performance Standard, NO _x , Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-301.4	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
SIP 9-7-305.1	Performance Standard, NOx, Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
SIP 9-7-305.2	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
SIP 9-7-306.1	Performance Standard, NOx, Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
SIP 9-7-306.2	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-9-301	Performance Standard, NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 11-1-301	Performance Standard - Daily Lead Emission Limit	Manual of Procedures, Volume IV, ST-9, Lead Sampling
BAAQMD 11-3-301	Performance Standard - Daily Beryllium Emission	Manual of Procedures, Volume IV, ST-2 or EPA-104, Beryllium Sampling
BAAQMD 11-5-302	Performance Standard - Daily Mercury Emissions	Manual of Procedures, Volume IV, ST-10, Mercury Sampling
40 CFR 60.152(a)(1)	Performance Standard, Particulate Emission Rate Limitation	EPA Method 5, Determination of Particulate Matter Emissions
40 CFR 60.152(a)(2)	Visible Emissions Limitation - 20 % Opacity	EPA Method 9 Continuous Opacity Monitoring & 40 CFR 60.11 (Monitoring Requirements – Opacity)
40 CFR 60.332(a)(1)	Performance Standard, NOx Emissions from Stationary Gas Turbines	EPA Method 20, Continuous Emission Monitoring – Nitrogen Oxides
40 CFR 60.333	Performance Standard, SO ₂ Emissions, ppm	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
40 CFR 60.5165 - Table 3	Performance Standard, Particulate Emission Rate Limitation	Performance Test (Method 5 at 40 CFR part 60, appendix A-3; Method 26A or Method 29 at 40 CFR part 60, appendix A-8)
40 CFR 60.5165 - Table 3	Performance Standard, HCl Limits	Performance Test (Method 26 or 26A at 40 CFR part 60, appendix A-8)
40 CFR 60.5165 - Table 3	Performance Standard, CO Limits	Performance Test (Method 10, 10A, or 10B at 40 CFR part 40, appendix A-4)
40 CFR 60.5165 -	Performance Standard, Dioxins/furans (total mass basis)	Performance Test (Method 23 CFR part 60, appendix A-7)

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Table 3	Limits	
40 CFR 60.5165 - Table 3	Performance Standard, Mercury Limits	Performance Test (Method 26 or 26A at 40 CFR part 60, appendix A-8)
40 CFR 60.5165 - Table 3	Performance Standard, NOx Limits	Performance Test (Method 7 or 7E at 40 CFR part 60, appendix A-4)
40 CFR 60.5165 - Table 3	Performance Standard, SO2 Limits	Performance Test (Method 6 or 6C at 40 CFR part 40, appendix A-4)
40 CFR 60.5165 - Table 3	Performance Standard, Cadmium Limits	Performance Test (Method 29 at 40 CFR part 60, appendix A-8)
40 CFR 60.5165 - Table 3	Performance Standard, Lead Limits	Performance Test (Method 29 at 40 CFR part 60, appendix A-4)
40 CFR 60.5165 - Table 3	Performance Standard, Fugitive Emissions from Ash Handling Limits	Visible Emission Test (Method 22 of appendix A-7 of this part)
40 CFR Part 61.32	Performance Standard - Daily Beryllium Emissions	EPA Method 104, Determination of Beryllium Emissions from Stationary Sources
40 CFR Part 61.52	Performance Standard - Daily Mercury Emissions	Performance Test (Method 29 at 40 CFR part 60, appendix A-8; Method 30B at 40 CFR part 60 appendix A-8; or ASTM D6784 – 02 (Reapproved 2008))
BAAQMD Condition 1716, Part 1	Performance Standard - H2S Concentration - Stack Outlet	Manual of Procedures, Volume IV, ST-28, Hydrogen Sulfide, Integrated Sampling
BAAQMD Condition #21485, Part 2	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21485, Part 4	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
#21485, Part 5		
BAAQMD Condition #21485, Part 6	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21485, Part 7	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21423, Part 3	Particulate Limit	EPA Method 5, Determination of Particulate Matter Emissions
BAAQMD Condition #21423, Part 4	Opacity Limit	EPA Method 9 Continuous Opacity Monitoring & 40 CFR 60.11 (Monitoring Requirements – Opacity)
BAAQMD Condition #21423, Part 6	Beryllium Limit	Manual of Procedures, Volume IV, ST-2 or EPA-104, Beryllium Sampling
BAAQMD Condition #21423, Part 7	Mercury Limit	Manual of Procedures, Volume IV, ST-10, Mercury Sampling
BAAQMD Condition #21423, Part 9	Lead Limit	Manual of Procedures, Volume IV, ST-9, Lead Sampling
BAAQMD Condition #21423, Part 11	Sulfur dioxide testing	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD Condition #21423,	VOC Abatement Requirement	Manual of Procedures, Volume IV, ST-7, “Organic Compounds” or EPA Method 25 “Determination of Total Gaseous Nonmethane Organic Emissions as Carbon” or 25A “Determination of Total Gaseous Organic Concentration Using a

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Part 12		Flame Ionization Analyzer”

IX. PERMIT SHIELD

This facility does not have permit shields.

X. REVISION HISTORY

Title V Permit Issuance (Application #25827): **January 7, 2000**

Administrative Amendment (no application): **May 17, 2000**

- Correction of typographical error, capacity of S7 and S8, Boilers, was corrected from 22 MMbtu/hr to 28 MMbtu/hr

Minor Revision (Application 5738): **November 15, 2004**

- Numerous minor corrections/clarifications of permit conditions for S7,S8, S9, S10, S182, and S188
- Revise monitoring frequency on landfill gas sulfide as allowed by condition.
- Remove landfill gas destruction requirements with expired requirements.
- Revise conditions for S7 and S8 to establish operating parameter (temp) to ensure compliance with Reg 8-34 LFG destruction efficiency.
- Revise conditions for S9 and S10 to establish operating parameter (temp) to ensure compliance with Reg 8-34 LFG destruction efficiency.
- Revise conditions for S9 and S10 to establish scrubber operating parameter (pressure drop setpoints) to ensure compliance with 40 CFR 60.155(a)(1) for particulate control.
- Revise conditions for S182 ash loading system dust collection devices—allowing for improved monitoring of the collection system operation.
- Revise conditions for S188 Gas Turbine: Remove all references to any requirements for burning landfill gas.

Title V Permit Renewal (Application 10118): **December 11, 2006**

- Added diesel engine sources permitted under loss of exemption AN 4717.
- Modified permit conditions for existing permitted diesel engine sources to comply with Stationary Diesel ATCM.
- Modified permit conditions (clarification/correction or to add monitoring requirements) for sources S100, S7, S8, S9, S10, and S188.

X. Revision History

Title V Permit Renewal (Application 23445):

March 12, 2015

XI. GLOSSARY

ATCM

Airborne Toxic Control Measures

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

Basis

The underlying authority which allows the District to impose requirements.

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CEQA

California Environmental Quality Act

CFR

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

CO

Carbon Monoxide

Cumulative Increase

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

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

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.

XI. Glossary

FP

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

HAP

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

Major Facility

A facility with potential emissions of regulated air pollutants greater than 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.

MFR

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

MOP

The District's Manual of Procedures.

NAAQS

National Ambient Air Quality Standards

NESHAPs

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

NMHC

Non-methane Hydrocarbons (Same as NMOC)

NMOC

Non-methane Organic Compounds (Same as NMHC)

NO_x

Oxides of nitrogen.

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

Offset Requirement

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

XI. Glossary

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 Title IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Particulate Matter

PM10

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

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of 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.

SIP

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

SO2

Sulfur dioxide

THC

Total Hydrocarbons (NMHC + Methane)

Title V

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

TOC

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

TPH

Total Petroleum Hydrocarbons

TRMP

Toxic Risk Management Plan

TSP

Total Suspended Particulate

VOC

Volatile Organic Compounds

XI. Glossary

Units of Measure:

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