Bay Area Air Quality Management District

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

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Central Contra Costa Sanitary District
Facility # A0907

Facility Address:
5019 Imhoff Place
Martinez, CA 94553-4392

Mailing Address:
5019 Imhoff Place
Martinez, CA 94553-4392

Responsible Official	**Facility Contact**
~~Charles W. Batts~~James M. Kelly	James M. Kelly
~~Plant~~ Director of Operations ~~Manager~~	Treatment Plant Operations Division Manager
(925) ~~228-9500~~229-7386	(925) ~~229-7386~~229-7284

Type of Facility:	Municipal Wastewater Treatment Facility	BAAQMD Engineering Division Contact Randy Frazier, P.E.
Primary SIC:	4952	
Product:	Treated Municipal Wastewater	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer — 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 5/2/01);

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 8/1/01);

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 5/17/00);

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 5/17/00); 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 5/2/01).

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

1. This Major Facility Review Permit was issued on [ ] and expires on [when issued, enter 5th anniversary of issue date]. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than [when issued, enter date 6 months prior to permit expiration date] and no earlier than [when issued, enter date 12 months prior to expiration date]. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** [when issued, enter 5th anniversary of issue date]**.** (Regulation 2-6-307, 404.2, & 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)

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)

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, 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. The first reporting period for this permit shall be [date of issuance] to [six months later]. The report shall be submitted by [one month after end of reporting period]. Subsequent reports shall be for the following periods: [_____ 1st through _____ 30th or 31st] and [_____ 1st through _____ 30th or 31st], 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, Regulation 3; 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 _____ 1st to _____ 30th or 31st. The certification shall be submitted by _____ 30th or 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification 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)

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 ~~caused by conditions beyond the permit holder's reasonable control~~ 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. ~~Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval.~~ (MOP Volume II, Part 3, §4.8)
3. ~~Notwithstanding the foregoing,~~ 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~~ unless the Major Facility Review Permit has been modified pursuant to Regulation 2, Rule 6~~. (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
S-7	Boiler 1, Auxiliary Steam, (natural gas, landfill gas, distillate oil) ME ~~74139~~74129	Cleaver-Brooks	~~ME 74129~~CB700	28 MM Btu/hr
S-8	Boiler 2, Auxiliary Steam, (natural gas, landfill gas, distillate oil) ME 74140	Cleaver-Brooks	~~ME 74129~~CB700	28 MM Btu/hr
S-9	Incinerator #1, (sewage sludge, landfill gas, natural gas)	BSP Multiple Rotary Hearth	Custom	2.3 dry ton/hour 27 MM Btu/hr max
S-10	Incinerator #2, (sewage sludge, landfill gas, natural gas)	BSP Multiple Rotary Hearth	Custom	2.3 dry ton/hour 27 MM Btu/hr max
S-11	Lime Storage Silo # 1 w/Pneumatic Loading System	Custom	SEMCO	0.2 ton/hr
S-13	Lime Storage Silo #2 w/Pneumatic Loading System	Custom	SEMCO	0.2 ton/hr
~~S-14~~	~~Lime Transfer System~~	~~Custom~~	~~Custom~~	~~1.0 ton/hr~~
S-15	Lime Storage Silo #3 w/Pneumatic Loading System	Custom	SEMCO	0.2 ton/hr
S-22	Lime Storage Silo #4 w/Pneumatic Loading System	Custom	SEMCO	0.2 ton/hr
S-24	Centrifuges & Cake Hoppers, four units	Sharples	~~Custom~~PM75000b	3.0 dry ton/hr
S-25	Gasoline Dispensing Facility (G6368), 1 nozzle	Custom	N/A	1000 gallon tank
S-100	Wastewater Treatment Plant - Fugitive Emissions	Secondary Activated Sludge	N/A	11.9 MM gal/hr
S-110	Preliminary Treatment; Influent Structure: Influent Pumping, Bar Screens, Grinders	Custom	N/A	11.9 MM gal/hr
S-120	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

Table II -A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-130	Flow Equalization (equivalent to wastewater holding ponds)	Custom	N/A	11.9 MM gal/hr
S-140	Secondary Treatment; Two Aerated Effluent Channel - Non-aerated Section - Primary Sediment to Aeration Basin Units	Custom	N/A	11.9 MM gal/hr
S-150	Secondary Clarifiers; Aerated Effluent Channel - Aeration Basins to Secondary Clarifiers	Custom	N/A	11.9 MM gal/hr
S-160	Tertiary Treatment; four gravity filtration units/gravity filtration forebay	Custom	N/A	11.9 MM gal/hr
S-170	Disinfection; Aerated Effluent Channel - Secondary Clarifiers to Ultraviolet Disinfection	Custom	N/A	11.9 MM gal/hr
S-180	Sludge Handling Processes; Three Dissolved Air Flotation Units, Four Centrifuges, Two Sludge Blending Tank	Custom	Roots Blower Calgon Filter	3.0 dry ton/hr
S-182	Ash Conveying System	Custom	Frame	0.6 dry ton/hr
S-188	Cogeneration Turbine with Heat Recovery Steam Generator (natural gas)	Solar Centaur	T-4700	49.5 MM Btu/Hr HHV; 3500 kW
S-189	Emergency Standby Generator #1, Diesel Fired	Detroit Diesel	DDC1635	2500 HP
S-190	Emergency Standby Generator #2, Diesel Fired	Detroit Diesel	DDC1635	2500 HP
S-191	Portable Standby Generator, Diesel	Caterpillar	3056	80 HP
S-192	Portable Standby Generator, Diesel	Caterpillar	3208	235 HP
S-193	Portable Standby Generator, Diesel	Deutz	E10L413	238 HP
S-194	Portable Standby Generator, Diesel	Deutz	F3-6L912	95 HP

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-1	Dry Cyclone Scrubber, Multiple Units (12" dia), American Standard Series 348	S-9	BAAQMD Reg 10; NSPS O, 40 CFR 60.152 (a)(1) & (a)(2)	none listed	N/A
A-2	Wet Scrubber, Krebs Medwa/Elbair	S-9	BAAQMD Reg 10; NSPS O, 40 CFR 60.152 (a)(1) & (a)(2)	pressure drop shall not drop below ~~7.8~~5.9 inches of water for more than 15 min in any hour	N/A
A-3	Dry Cyclone Scrubber	S-10	BAAQMD Reg 10; NSPS O, 40 CFR 60.152 (a)(1) & (a)(2)	none listed	N/A
A-4	Wet Scrubber, Krebs Medwa/Elbair	S-10	BAAQMD Reg 10; NSPS O, 40 CFR 60.152 (a)(1) & (a)(2)	pressure drop shall not drop below ~~7.8~~4.7 inches of water for more than 15 min in any hour	N/A
A-7	Lime Storage Bin Vent Filter	S-11, S-13, S-15, S-22	BAAQMD 6-301, 6-310	none listed	0.15 gr/dscf
A-8	Lime Dust Collector	S-14	BAAQMD 6-301, 6-310	none listed	0.15 gr/dscf
A-14	Packed Tower #1, Ceilcote	S-24, S-180	BAAQMD 7-102	none listed	N/A
A-15	Packed Tower #2, Ceilcote	S-24, S-180	BAAQMD 7-102	none listed	N/A
A-23	Quad Mist Odor Control Scrubber	S-110	BAAQMD 7-102	none listed	N/A
A-24	Quad Mist Odor Control Scrubber	S-110	BAAQMD 7-102	none listed	N/A
A-120	Calvert Mist Odor Control Scrubber	S-120	BAAQMD 7-102	none listed	N/A
A-186	Filter Baghouses	S-182	BAAQMD 6-301, 6-310	none listed	N/A
A-187	Biofilter Odor Control System	S-180	BAAQMD 7-102	none listed	N/A

Table II B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-191	Cyclone, Premier	S-182	BAAQMD 6-301, 6-310	none listed	N/A
A-192	Filter Baghouse, Supervac	S-182	BAAQMD 6-301, 6-310	none listed	N/A
A-196	Filter Baghouse	S-182	BAAQMD 6-301, 6-310	none listed	N/A

III. GENERAL APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements 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.

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

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 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 (11/2/94)	N
SIP Regulation 5	Open Burning (5/3/84)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (5/3/84)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (~~12/20/95~~11/21/01)	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 (9/2/81)	Y

IV. Source-specific Applicable Requirements

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

The dates in 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. The full language of SIP requirements is on EPA Region 9's website. The address is: http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions

~~http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1.~~ All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
S-7, Auxiliary Boiler, Multi-Fuel
S-8, 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	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S-7, Auxiliary Boiler, Multi-Fuel
S-8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
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	**Particulate Matter and Visible Emissions (12/19/90)**		
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 (10/06/99)**		
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	
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	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S-7, Auxiliary Boiler, Multi-Fuel
S-8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
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 (9/15/93)**		
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	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S-7, Auxiliary Boiler, Multi-Fuel
S-8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
9-7-302.2	CO	Y	
9-7-305	Emission Limits - Non Gaseous Fuel Natural Gas Curtailment; NOx & CO Limits	Y	
9-7-306	Emission Limits - Non-Gaseous Fuel - Equipment Testing; NOx and CO Limits	Y	
9-7-403	Initial Demonstration of Compliance	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	Exhaust gas SO2 emission limitations/monitoring & recordkeeping (BAAQMD 9-1-302, 2-6-501)	Y	
part 3	Exhaust gas NOx emission limitations – gaseous fuels firing (BAAQMD 9-7-301.1)	Y	
part 4	Exhaust gas NOx emission limitations – distillate oil fuels firing (BAAQMD 9-7-302.1)	Y	
part 5	Exhaust gas CO emission limitations (BAAQMD 9-7-301.2, 302.2)	Y	
part 6	Distillate oil sulfur content specification (Cumulative Increase)	Y	
part 7	Ongoing compliance source tests (Cumulative Increase)	Y	
part 8	Landfill gas – organic destruction efficiency, annual compliance demonstration source test, first pass boiler temperature limitation (BAAQMD 8-301.4)	Y	
part 9	Recordkeeping (Cumulative Increase, BAAQMD 9-1-304)	Y	
part 9a	Monthly fuel consumption records (Cumulative Increase)	Y	
part 9b	Monthly records – distillate oil sulfur content (BAAQMD 9-1-304)	Y	
part 9c	Monthly records – to be totaled for preceding 12 months (Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - A
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S-7, Auxiliary Boiler, Multi-Fuel
S-8, Auxiliary Boiler, Multi-Fuel

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
part 9d	Rolling 3 clock-hour average first pass boiler temperature records (BAAQMD 8-34-501.11)	Y	
part 9e	Records retention (Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-9 – FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S-10 – 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 (10/7/98)**		
1-107	Combination of Emissions	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**	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	
BAAQMD Regulation 8 Rule 34	**Organic Compounds - Solid Waste Disposal Sites (10/06/99)**		
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	
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	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-9 – FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S-10 – FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
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	
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	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-9 – FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S-10 – 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 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	
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(a)(1)	Particulate Emission Standards	Y	
60.152(a)(2)	Opacity Standards	Y	
60.153	Monitoring of Operations	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-9 – FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S-10 – FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
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(a)(3)	Install and operate sludge weighing device	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	
60.155(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 – Exhaust Gas Oxygen Content – O2 over performance test level	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	
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	
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**		
61.32	Beryllium Emissions not to exceed 10 g Be/24 hr period	Y	
61.33(a)	Stack Sampling-required methods	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-9 – FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S-10 – FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
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	
40 CFR 61 Subpart E	**National Emission Standard for Mercury**		
61.52(b)	Mercury Emission Standard	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(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	
BAAQMD Cond #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	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-9 – FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S-10 – FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
part 5	Visible emissions limitation – opacity (40 CFR 60.152(a)(2), (SIP 6-401)	Y	
part 6	Beryllium emissions limitation (BAAQMD 11-3-301)	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)	Y	
part 10b	Incinerator exhaust sampling/analysis (40 CFR 60.154(d)(3))	Y	
part 10c	Incinerator exhaust metals sampling/testing (40 CFR 60.154(d)(3)(I))	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 (BAAQMD 8-34-301.4)	Y	
part 13	Ongoing Monitoring – NSPS Requirements (40 CFR 60.153)	Y	
part 13a	Feed flowrate monitoring (40 CFR 60.153(a)(1))	Y	
part 13b	Wet scrubber pressure drop monitoring (40 CFR 60.153(b)(1))	Y	
part 13c	Incinerator oxygen content monitoring (40 CFR 60.153(b)(2))	Y	
part 13d	Incinerator temperature profile monitoring (40 CFR 60.153(b)(3))	Y	
part 13e	Incinerator fuel flow monitoring (40 CFR 60.153(b)(4))	Y	
part 13f	Sewage incinerator feed sampling/analysis (40 CFR 60.153(b)(5))	Y	
part 13g	Daily records – solids feed to incinerator (Cumulative Increase)	Y	
part 13h	Records retention (Cumulative Increase)	Y	
part 14	Reporting Requirements(40 CFR 60.155)	Y	
part 14a	Average scrubber pressure drop less than compliance test setpoints (40 CFR 60.155(a)(1)(i) & (ii))	Y	
part 14b	Average oxygen content (40 CFR 60.155(a)(2))	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-9 – FURNACE 1, SEWAGE SLUDGE (INCINERATOR)
S-10 – FURNACE 2, SEWAGE SLUDGE (INCINERATOR)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
part 14c	Recent reports as requested by APCO (40 CFR 60.155(a)(3), (4), (5), (6))	Y	

Table IV - C
Source-specific Applicable Requirements
S-11 - LIME STORAGE SILO W/PNEUMATIC LOADING SYSTEM
S-13 - LIME STORAGE SILO W/PNEUMATIC LOADING SYSTEM
S-15 - LIME STORAGE SILO W/PNEUMATIC LOADING SYSTEM
S-22 - LIME STORAGE SILO W/PNEUMATIC LOADING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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	
BAAQMD Cond 16692			
Part 1	Abatement Requirement (basis: Regulation 2-1-403)	Y	
Part 2	Visible Emissions Monitoring (basis: Regulation 2-6-501)	Y	
Part 3	Visible Emissions Monitoring Records (basis: Regulation 2-6-501)	Y	

IV. Source-specific Applicable Requirements

~~**Table IV – D**~~
~~**Source-specific Applicable Requirements**~~
~~**S-14 – LIME TRANSFER SYSTEM**~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~BAAQMD Regulation 6~~	~~Particulate Matter and Visible Emissions (12/19/90)~~		
~~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~~	
~~BAAQMD Cond 16693~~			
~~Part 1~~	~~Abatement Requirement (basis: Regulation 2-1-403)~~	~~Y~~	
~~Part 2~~	~~Visible Emissions Monitoring (basis: Regulation 2-6-501)~~	~~Y~~	
~~Part 3~~	~~Visible Emissions Monitoring Records (basis: Regulation 2-6-501)~~	~~Y~~	

Table IV - ~~E~~D
Source-specific Applicable Requirements
S-24 – CENTRIFUGES AND CAKE HOPPERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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	
BAAQMD Regulation 9 Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Hydrogen Sulfide Emissions	N	
BAAQMD Cond 1716			

IV. Source-specific Applicable Requirements

Table IV - ~~E~~D
Source-specific Applicable Requirements
S-24 – CENTRIFUGES AND CAKE HOPPERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 1	Stack Outlet - H2S Concentration Limits (Reg 1-301; Public Nuisance)	N	
part 2	Consequences of odor complaints (Reg 1-301; Public Nuisance)	N	
part 3	Use of Abatement Equipment Required during S-24 Operation (Reg 1-301; Public Nuisance)	N	

Table IV – ~~F~~E
Source-specific Applicable Requirements
S-25 (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 Pipe~~s~~ 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	

IV. Source-specific Applicable Requirements

Table IV – ~~F~~E
Source-specific Applicable Requirements
S-25 (G6368) GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	

IV. Source-specific Applicable Requirements

Table IV – ~~F~~E
Source-specific Applicable Requirements
S-25 (G6368) GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 [1]	
8-7-302.4	Repair Time Limit for Defective Components	Y [1]	
8-7-302.10	Construction Materials Specifications	Y [1]	
8-7-302.12	Liquid Retain Limitation	Y [1]	
8-7-302.13	Nozzle Spitting Limitation	Y [1]	
8-7-306	Prohibition of Use	Y [1]	
8-7-503.3	Records Retention Time	Y [1]	
BAAQMD Cond 7523			
part 1	Gasoline throughput (Toxic Risk Management Policy)	N	
part 2	Gasoline throughput monitoring (Toxic Risk Management Policy)	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Cond 193			
P~~p~~art 1	~~C~~Wastewater Throughput (Cumulative Increase)~~onsequences of odor complaints (Reg 1-301; Public Nuisance)~~	~~N~~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 - ~~H~~G
Source-specific Applicable Requirements
S-110- PRELIMINARY TREATMENT

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

Table IV - ~~I~~H
Source-specific Applicable Requirements
S-120 – PRIMARY TREATMENT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Cond 7046			
part 1	Abatement of Malodorous Compounds by A-120 Required (Reg 1-301; Public Nuisance)	N	

Table IV - ~~J~~I
Source-specific Applicable Requirements
S-180 – SLUDGE HANDLING PROCESSES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Cond 13082			
part 1	Abatement of Odorous Emissions Required (Reg 1-301; Public Nuisance)	N	
part 2	Use of Abatement Equipment Required during S-180 Operation (Reg 1-301; Public Nuisance)	N	

IV. Source-specific Applicable Requirements

Table IV - ~~K~~J
Source-specific Applicable Requirements
S-182 – ASH CONVEYING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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	
BAAQMD Cond #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 (Regulation 2-6-503)	Y	
Part 5	Daily Visual Inspection of exhaust stacks and abatement system	Y	
part ~~5~~ 6	Records of ~~Leakgauge~~Leak gauge alarm events, ~~Leakgauge~~Leak gauge Instrument Maintenance (Regulation 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV - ~~L~~K
Source-specific Applicable Requirements
S-188 – 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	**Particulate Matter and Visible Emissions (12/19/90)**		
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 (9/21/94)**		
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)**		

IV. Source-specific Applicable Requirements

Table IV - ~~L~~K
Source-specific Applicable Requirements
S-188 – COGENERATION TURBINE, 3500 KW,
NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective or Expiration Date
60.332 (a)(1)	Performance Standard, NOx	Y	
60.333	Performance Standards, SO2	Y	
60.333 (b)	Fuel Sulfur Limit	Y	
60.334(a)	Water-to-fuel monitoring (if water injection used for NOx control)	Y	
60.334	Monitoring Requirements	Y	
60.334 (b)	Fuel Sulfur and Nitrogen Content	Y	
60.334 (c)	Excess Emissions	Y	
60.335	Test Methods and Procedures	Y	
BAAQMD Cond 21485			
part 1a	Fuel Type (Cumulative Increase)	Y	
part 1b	Throughput Limitations (Cumulative Increase)	Y	
part 1c	Requirement for PUC quality natural gas	Y	
part 2	NOx emission limitations- Stack Gas Concentration (Reg 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 8	SO2 Emission Limitations (40 CFR 60 Subpart GG)	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 3	NOx limit (40 CFR 60.332)	Y	
part 13	Monitoring for NSPS NOx limit, fuel input limit (40 CFR 60.334(c)(1), Cumulative Increase)	Y	
part 14	SO2 limit and monitoring (Reg 9-1-302)	Y	
part 15	Start-up Grace Period (Reg 9-9-114)	Y	

IV. Source-specific Applicable Requirements

Table IV - ~~L~~K
Source-specific Applicable Requirements
S-188 – 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 16	Shutdown Grace Period (Reg 9-9-114)	Y	

1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table IV-L
Source-specific Applicable Requirements
S-189 EMERGENCY STANDBY GENERATOR #1, DETROIT DIESEL, 2500 BHP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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 (1/20/93)**		
9-8-110.4	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	

IV. Source-specific Applicable Requirements

Table IV-L
Source-specific Applicable Requirements
S-189 EMERGENCY STANDBY GENERATOR #1, DETROIT DIESEL, 2500 BHP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-530	Monitoring and Recordkeeping, Emergency Standby Engines	N	
Section 93115, title 17, CCR	**Airborne Toxic Control Measure for Stationary Compression Ignition Engines**		
Part (e)(1)(A)	Fuel Requirements	Y	
Part (e)(2)(B)3.a. II. iii.	PM Emission Standards & Maximum Hours of Operation for Maintenance and Testing	Y	1-1-08
Part (e)(2)(B)3.b.I.	Applicable Emissions Standards for HC, NOx, NMHC+NOx, and CO	Y	1-1-08
Part (e)(4)(A)2.	Schedule for Reporting Information Required in Part (e)(4)(A)3.	Y	1-1-08
Part (e)(4)(A)3.	Engine Information Submittal Requirements	Y	
Part (e)(4)(A)4.	Reporting of Control Strategy Used to Achieve Compliance	Y	
Part (e)(4)(D)2.	Submittal of Emissions or Operational Data	Y	1-1-08
Part (e)(4)(G)1.	Monitoring Equipment	Y	
Part (e)(4)(G)3.	Additional Monitoring Equipment Requirement	Y	
Part (e)(4)(I)1.	Monthly Log: Data Required	Y	
Part (e)(4)(I)2.	Data Log Retention	Y	
Part (g)(2)	Tiered Compliance Schedule	Y	1-1-08
BAAQMD Condition #19290			
Part 1	Hours of Operation (9-8-331)	Y	
Part 2	Definition of Emergency Conditions (9-8-231)	Y	
Part 3	Definition of Reliability-Related Activities (9-8-232)	Y	

IV. Source-specific Applicable Requirements

Table IV-L
Source-specific Applicable Requirements
S-189 EMERGENCY STANDBY GENERATOR #1, DETROIT DIESEL, 2500 BHP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Monitoring (9-8-530)	Y	
Part 5	Recordkeeping (1-441, 9-8-530)	Y	

Table IV-M
Source-specific Applicable Requirements
S-190 EMERGENCY STANDBY GENERATOR #2, DETROIT DIESEL, 2500 BHP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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 (1/20/93)**		
9-8-110.4	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 Engines	N	
Section 93115, title 17, CCR	**Airborne Toxic Control Measure for Stationary Compression Ignition Engines**		

IV. Source-specific Applicable Requirements

Table IV-M
Source-specific Applicable Requirements
S-190 EMERGENCY STANDBY GENERATOR #2, DETROIT DIESEL, 2500 BHP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part (e)(1)(A)	Fuel Requirements	Y	
Part (e)(2)(B)3.a. II. iii.	PM Emission Standards & Maximum Hours of Operation for Maintenance and Testing	Y	1-1-09
Part (e)(2)(B)3.b.I.	Applicable Emissions Standards for HC, NOx, NMHC+NOx, and CO	Y	1-1-09
Part (e)(4)(A)2.	Schedule for Reporting Information Required in Part (e)(4)(A)3.	Y	
Part (e)(4)(A)3.	Engine Information Submittal Requirements	Y	
Part (e)(4)(A)4.	Reporting of Control Strategy Used to Achieve Compliance	Y	
Part (e)(4)(D)2.	Submittal of Emissions or Operational Data	Y	1-1-09
Part (e)(4)(G)1.	Monitoring Equipment	Y	
Part (e)(4)(G)3.	Additional Monitoring Equipment Requirement	Y	
Part (e)(4)(I)1.	Monthly Log: Data Required	Y	
Part (e)(4)(I)2.	Data Log Retention	Y	
Part (g)(2)	Tiered Compliance Schedule	Y	1-1-09
BAAQMD Condition #19290			
Part 1	Hours of Operation (9-8-331)	Y	
Part 2	Definition of Emergency Conditions (9-8-231)	Y	
Part 3	Definition of Reliability-Related Activities (9-8-232)	Y	
Part 4	Monitoring (9-8-530)	Y	
Part 5	Recordkeeping (1-441, 9-8-530)	Y	

IV. Source-specific Applicable Requirements

Table IV-N
Source-specific Applicable Requirements
S-191 EMERGENCY GENERATOR, PORTABLE, CATERPILLAR 3056, 80 HP, DIESEL
S-192 EMERGENCY GENERATOR, PORTABLE, CATERPILLAR 3208, 235 HP, DIESEL
S-193 EMERGENCY GENERATOR, PORTABLE, DEUTZ E10L413, 238 HP, DIESEL
S-194 EMERGENCY GENERATOR, PORTABLE, DEUTZ F3-6L912, 94 HP, DIESEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 2	**Permits – General Requirements (8/1/2001)**		
1-220.1	Portable Equipment; Single Site Time Limit	Y	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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 (1/20/93)**		
9-8-110.4	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 Engines	N	
BAAQMD Condition #19291			
Part 1	Eligibility Requirements (2-1-220)	Y	
Part 2	Single Site Operating Hours - Limitation (2-1-220)	Y	
Part 3	Opacity Limitation (6-301)	Y	
Part 4	Public Nuisance (1-301)	Y	
Part 5	Limitation on Operation Near School (2-1-412)	Y	
Part 6	Recordkeeping (1-441)	Y	

IV. Source-specific Applicable Requirements

Table IV-N
Source-specific Applicable Requirements
S-191 EMERGENCY GENERATOR, PORTABLE, CATERPILLAR 3056, 80 HP, DIESEL
S-192 EMERGENCY GENERATOR, PORTABLE, CATERPILLAR 3208, 235 HP, DIESEL
S-193 EMERGENCY GENERATOR, PORTABLE, DEUTZ E10L413, 238 HP, DIESEL
S-194 EMERGENCY GENERATOR, PORTABLE, DEUTZ F3-6L912, 94 HP, DIESEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 7	Reporting (1-441)	Y	
Part 8	Year End Operating Summary (1-441)	Y	

V. SCHEDULE OF COMPLIANCE

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

VI. PERMIT CONDITIONS

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

Condition 193
For S-100, Wastewater Treatment Plant

*1. If off-property odors are detected and identified to originate from this facility, the specific sources shall be covered and vented to an odor scrubbing system. (Basis: BAAQMD Regulation 1-301)

Condition 1716
For S-24, Centrifuges and Cake Hoppers

*1. H_2S concentration at the stack outlet of A-14 or A-15 shall 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, Central Contra Costa Sanitary District shall install an area monitoring system for H_2S as described in Regulation 1-510 and comply with Regulation 9 Rule 2 Sections 9-2-301 and 9-2-501. This area monitoring system shall be installed and operating within 6 months from the date the tenth odor complaint is confirmed. (Basis: BAAQMD Regulation 1-301)

*3. S-24 shall not be operated unless abated by A-14 or A-15 packed tower. (Basis: BAAQMD Regulation 1-301)

VI. Permit Conditions

Condition 7046
For S-120, Primary Treatment

*1. The pre-aeration tank area and adjacent wastewater distribution channels at S-120 shall be enclosed and gaseous emissions from these portions of S-120 shall be abated by A-120 at all times that malodorous compounds are present at S-120. (Basis: BAAQMD Regulation 1-301)

Condition 21425
For S-182, Ash Conveying System

1. All particulate emissions at S-182 shall be abated by either Baghouse A-186, Baghouse A-196, or Cyclone A-191/Baghouse A-192. (Basis: Cumulative Increase)

2. A-186 Baghouse Filters, A-196 Baghouse Filters, and A-191 Cyclone/A-192 Baghouse System shall all be properly maintained and kept in good working order. (Basis: Cumulative Increase)

3. A-186 Baghouse Filters, A-196 Baghouse Filters, and A-191 Cyclone/A-192 Baghouse System shall all be operated according to and within manufacturer's operating specifications. (Basis: Cumulative Increase)

4. Particulate emissions control systems A-186 Baghouse Filters, A-196 Baghouse Filters, and A-191 Cyclone/A-192 Baghouse System, shall be 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 Permit Holder shall take all corrective action necessary to minimize emissions and to make the needed repairs. The Mikro-Charge LeakGauge system shall be properly maintained and operated as per Manufacturer recommendations. [Basis: BAAQMD 2-6-503]

5. The exhaust stacks from particulate emissions abatement system A-186, A-196, and A-191/A-192 shall be 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 immediate action to minimize further leakage and to make the necessary repairs. (Basis: BAAQMD 2-6-501)

VI. Permit Conditions

Condition 21425
For S-182, Ash Conveying System

6. The Permit Holder shall keep records of all Mikro-Charge LeakGauge alarm events, visible emissions checks including the operator performing the check, and all maintenance performed on A-186 Baghouse Filters, A-196 Baghouse Filters, and A-191 Cyclone/A-192 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 7124
For S-110, Preliminary Treatment

*1. Odorous emissions from S-110 shall be abated by A-23 and A-24 at all times that malodorous compounds are present at S-110. (Basis: BAAQMD Regulation 1-301)

*2. S-110 shall not emit odorous emissions in such quantities that cause a public nuisance per Regulation 1-301. (Basis: BAAQMD Regulation 1-301)

Condition 7523
For S-25, Non Retail Gasoline Dispensing Facility

*1. Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 400,000 gallons in any consecutive 12 month period. (Basis: BAAQMD Toxic Section Policy/Toxic Risk)

*2. In order to demonstrate compliance with the above condition, Central Contra Costa Sanitary District 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)

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: Toxic Section Policy/Toxic Risk)

Condition 13082

VI. Permit Conditions

For S-180, Sludge Handling - Dissolved Air Flotation (DAF) thickeners

*1. Each of the three dissolved air floatation (DAF) units at S-180 shall be equipped and operated with a District approved cover and ducting in place to route emissions from the DAF units to A-187 for abatement. (Basis: BAAQMD Regulation 1-301)

*2. Malodorous gaseous emissions from each of the three dissolved air floatation units (DAF) units at S-180 shall be routed to and abated at all times that these portions of S-180 are sources of malodorous emissions. (Basis: BAAQMD Regulation 1-301)

Condition 19290

S-189 Emergency Standby Generator #1: Diesel Engine, Make: Detroit, Model: DDC1635, Rated Horsepower: 2500 HP

S-190 Emergency Standby Generator: #2 Diesel Engine, Make: Detroit, Model: DDC1635, Rated Horsepower: 2500 HP

*1. Hours of Operation: The emergency standby engines (S-189, S-190) shall only be operated to mitigate emergency conditions or for reliability-related activities. Operation for reliability-related activities shall not exceed 200 hours in any calendar year for S-189 and S-190. Operation while mitigating emergency conditions is unlimited for both S-189 and S-190. [Basis: Reg 9-8-331]

*2. "Emergency Conditions" is defined as any of the following: [Basis: Reg 9-8-231]

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

*3. "Reliability-related activities" is defined as any of the following: [Basis: Reg 9-8-232]

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

*4. The emergency standby engine shall be equipped with either: [Basis:

VI. Permit Conditions

Reg. 9-8-530]

a. a non-resettable totalizing meter that measures and reords the hours of operation for the engine, or

b. a non-resettable fuel usage meter.

*5. Records: The following monthly records shall be maintained in a District-approved log for at least 2 years and shall be made available for District inspection upon request: [Basis: Reg. 9-8-530, 1-441]

a. Hours of operation (total).

b. Hours of operation (emergency).

c. For each emergency, the nature of the emergency condition.

Condition 19291

S-191 Portable Standby Generator: Diesel Engine, Make: Caterpillar, Model: 3056, Rated Horsepower: 80 HP.

S-192 Portable Standby Generator: Diesel Engine, Make: Caterpillar, Model: 3208, Rated Horsepower: 235 HP.

S-193 Portable Standby Generator: Diesel Engine, Make: Deutz, Model: E10L413, Rated Horsepower: 238 HP.

S-194 Portable Standby Generator: Diesel Engine, Make: Deutz, Model: F3-6L912, Rated Horsepower: 95 HP (2300 RPM).

Portable Equipment Requirements

1. This mobile equipment shall operate at all times in conformance with the eligibility requirements set forth in BAAQMD Regulation 2-1-220 for portable equipment. [Basis: Reg 2-1-220]

2. If the portable equipment remains at any fixed location in the Bay Area Air Basin for more than 12 months, the portable permit will automatically revert to a conventional permanent location BAAQMD permit and will lose its portability. [Basis: Reg. 2-1-220.1]

Regulatory Compliance Requirements

3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour that is as dark or darker than Ringelmann 1 or equivalent to 20% opacity. [Basis: 6-301]

4. Operation of Sources S-191, S-192, S-193 and S-194 shall not emit pollutant emissions in sufficient qualtities as to cause a public nuisance under Regulation 1-301. [Basis: Reg. 1-301]

VI. Permit Conditions

5. S-191, S-192, S-193 and S-194 shall not be operated for longer than 72 consecutive hours within 1,000 feet of a school. To operate for longer than 72 consecutive hours within 1,000 feet of a school, the Permit Holder must submit an application to the District so that proper notification of your intended operation can be made known to the affected public in advance of any continued usage of the equipment. [Basis: Reg 2-1-114.2.3, 2-1-403, 2-1-412]

Recordkeeping Requirements

6. The following records shall be kept in a District approved logbook and retained for a period of at least five years following the date of entry. The log shall be kept with the equipment and made available to District staff upon request. [Basis: Reg 1-441]

a. Weekly hours of operation or fuel usage for S-191, S-192, S-193 and S-194.
b. Hours of operation or fuel usage shall be totaled on a monthly basis.

Reporting Requirements

7. The Permit Holder shall notify the District, in writing, at least 3 days in advance, of the new location in which they plan to operate for longer than 72 consecutive hours. The notification shall include [Basis: Reg 1-441]

a. A brief description of the general nature of the operation.
b. The estimated duration of the operation at this site.
c. The name and phone number of a contact person where the equipment will be operated.

8. Within 30 days after the end of every calendar year, the Permit Holder shall provide a year-end summary showing the following information: [Basis: Reg 1-441]

a. The location(s) at which the equipment was operated for more than 72 consecutive hours including the dates operated at each location.
b. The total hours of operation or fuel used by S-191, S-192, S-193 and S-194 for the previous 12 months.

Condition 21485

For S-188, Natural Gas Fired Turbine Generator with HRSG; Solar Model Centaur T-4700, 3500 KW; Maximum Firing Capacity - ~~46 MMBtu/hr (LHV) and~~ 49.5 MMBtu/hr (HHV).

VI. Permit Conditions

1a. S-188 shall be fired only on natural gas. (Basis: Cumulative Increase)

1b. The S-188 firing rate shall not exceed 1188 mmbtu/day (HHV). (Basis: Cumulative Increase)

1c. All natural gas burned at S-188 shall be PUC quality gas. (basis: 2-1-403)

2. NOx emissions from S-188 shall not exceed 42 ppmv, dry, at 15% ~~percent~~ oxygen based on a three clock hour average. (Basis: Reg 9-9-301.1))

3. NOx emissions from S-188 shall not exceed 154 ppmv, dry, at 15% oxygen based on a clock-hour average. (Basis: 40 CFR 60.332)

4. NOx emissions from S-188 shall not exceed 118 pounds in any rolling consecutive 24 hour period. (Basis: Cumulative Increase)

5. NOx emissions from S-188 shall not exceed 19.824 tons in any rolling 365 consecutive day period. (Basis: Cumulative Increase)

6. CO emissions from S-188 shall not exceed 157 pounds each rolling consecutive 24 hour period. (Basis: Cumulative Increase)

7. CO emissions from S-188 shall not exceed 26.376 tons in any rolling 365 consecutive day period. (Basis: Cumulative Increase)

8. Exhaust gas emissions shall not exceed 150 ppm SO2, dry, at 15% O2. The Permit Holder shall use the sulfur content of the gaseous fuel~~s~~ in conjunction with a material balance to calculate the exhaust gas sulfur dioxide concentration. The Permit Holder shall calculate and record the sulfur dioxide concentration at least 1 time every calendar quarter. (Basis: 40 CFR Part 60 Subpart GG)

9. To demonstrate compliance with conditions 6 and 7 above, the Permit Holder shall perform a compliance source test at a frequency of at 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 stack at S-188 shall be equipped with BAAQMD approved source testing ports to allow for the suitable sampling and testing of process flue gas emissions from S-188. (Basis: Cumulative Increase)

11. The Permit Holder shall operate a BAAQMD approved emission monitoring and recording system for S-188 to continuously assure compliance with conditions 2, 4, and 5, above. Recording made to comply with this condition

VI. Permit Conditions

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)

12. The daily usage of natural gas at S-188, 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. In order to show compliance with parts 1b and 14, the Permit Holder shall operate a USEPA approved fuel flow monitor and water injection flow monitor and calculate the water-to-fuel ratio on a clock-hour basis and the heat input on a daily basis. (Basis 40 CFR 60.334(c)(1))

14. Exhaust gas emissions shall not exceed 300 SO_2 ppmv, dry. CCCSD shall use the sulfur content of the fuels in conjunction with a material balance to calculate the exhaust gas sulfur dioxide concentrations.
(Basis: BAAQMD 9-1-302)

15. During the start-up of S-188, this source shall be granted a start-up grace period during which S-188 need not meet the emission limit indicated in part 2, and part 3, above. All other conditions imposed on S-188 shall remain in effect and enforceable. This start-up grace period shall begin once fuel is first combusted at S-188 and shall end not more than three hours later. NOx emissions during this start-up grace period shall not be included in the cumulative NOx emissions of any rolling consecutive 24-hour period. During subsequent additional start-ups of S-188 within a single 24 consecutive hour period, there shall be no start-up grace period and all conditions imposed on S-188 shall be in effect and enforceable. Each start-up shall be 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 S-188, this source shall be granted a shutdown grace period during which S-188 need not meet the emission limit indicated in part 2, and part 3, above. All other conditions imposed on S-188 shall remain in effect and enforceable. This shutdown grace period shall be defined as the last hour of operation of S-188 preceding the time that all fuel combustion at S-188 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 S-188 within a

VI. Permit Conditions

single 24 consecutive hour period, there shall be no shutdown grace period and all conditions imposed on S-188 shall remain in effect and enforceable. Each shutdown shall be 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 # 21422

For S-7, Auxiliary Steam Boiler 1, and S-8, Auxiliary Steam Boiler 2; Both Boiler Specifications as follows: Cleaver Brooks, ~~CB, 700 HP, ME74139~~CB700, Maximum Firing Capacity: 28 MM Btu/hr (HHV) with High Turn Down Multi-fuel Burners and Cleaver Brooks induced Flue Gas Recirculation System

1. S-7 Boiler and S-8 Boiler shall be fired at a rate not to exceed 28 MM Btu/hr (HHV) per boiler. (Basis: Cumulative Increase)

2. Exhaust gas emissions shall not exceed 300 ppm, dry SO2. The Permit Holder shall use the sulfur content of the fuels in conjunction with a material balance to calculate the exhaust gas sulfur dioxide concentration. The Permit Holder shall calculate and record the resulting sulfur dioxide concentration at least 1 time every calendar quarter. (Basis: BAAQMD 9-1-302).

   The Permit Holder 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. (BAAQMD 2-6-501)

3. Emissions of nitrogen oxides (NOx) shall not exceed 30 ppmv (@ 3 percent O2, dry) when firing gaseous fuels. (Basis: BAAQMD Regulation 9-7-301.1)

4. Emissions of nitrogen oxides (NOx) shall not exceed 40 ppmv (@ 3 percent O2, dry) when firing distillate oil. (Basis: BAAQMD Regulation 9-7-302.1)

5. Emissions of carbon monoxide (CO) shall not exceed 400 ppmv @ 3 percent O2, dry. (Basis: BAAQMD Regulation 9-7-301.2, 9-7-302.2)

6. The distillate oil sulfur content shall not exceed 0.5 percent by weight. (Basis: ~~Cumulative Increase~~ BAAQMD 9-1-304)

7. To demonstrate ongoing compliance with parts 3, 4, and 5 above, the Permit Holder shall perform compliance source test at a frequency of at least 1 time every 60 months after the ~~initial~~ previous source test. Compliance source tests shall be conducted in accordance with District Manual of Procedures.

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Source test results shall be kept onsite and made available to the BAAQMD staff upon request. (Basis: Cumulative Increase)

8. While burning landfill gas, NMOC emissions shall be abated by at least 98% by weight across S-7 and S-8 auxiliary boiler(s), or the exhaust emissions of NMOC shall be less than 120 ppm by volume, dry basis, expressed as methane, corrected to 3% oxygen. BAAQMD 8-34-301.4~~)~~

   To demonstrate ongoing compliance with this requirement the Permit Holder shall perform a pre-approved annual source test in accordance with the District Manual of Procedures. The annual source test shall be conducted not less than 9 months nor ~~greater~~ more than 12 months after the most recent compliance source test. (Basis: BAAQMD 8-34-412)

   To ensure ongoing compliance with the above NMOC destruction efficiency, the Permit Holder shall maintain the rolling 3 clock-hour average first pass boiler temperature of S-7 and S-8 at 770 degrees F or greater when burning landfill gas. While burning landfill gas, the Permit Holder shall continuously monitor the first pass temperatures of S-7 and S-8 and shall calculate ~~the~~ and record the rolling 3 clock-hour average temperatures in a District-approved log. (Basis: BAAQMD 8-34-509)

   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 S-7 and S-8 shall be equal to the average first pass temperature measured during a complying source test (NMHC and CO emission limits were met) minus 50 degrees F.
   (Basis: 40 CFR 60.758(c)(1)(i)

9. The Permit Holder shall maintain the following records and provide all of the data necessary to ~~evaluate~~ demonstrate compliance with the above conditions, including the following information:

   a. Monthly records of the quantity of ~~gaseous~~ natural gas, landfill gas, ~~fuel (therms)~~ and distillate oil (gal) burned at this source.

   b. Monthly records of the distillate oil sulfur content certification.

   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.

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e. All records shall be retained onsite for five years from the date of entry, and made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase, ~~Reg~~ BAAQMD 9-1-304)

Condition # 21423

For S-9, Furnace 1, and S-10, Furnace 2, Sewage Sludge Incinerators, BSP Multiple Rotary Hearth, 27 MM Btu/hr Max Heat Input

1. Solid fuel shall be solids derived from CCCSD sewage operations only. (Basis: Cumulative Increase)

2. S-9 and S-10 combined solid fuel throughput shall not exceed 110 ton/day and 20,000 ton in any consecutive 12 month period (Basis: Cumulative Increase)

3. Particulate emissions shall 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. Particulate emissions shall 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 6-310).

5. Visible emissions shall not exceed 20 percent opacity as detected by an opacity sensing device for a period or periods aggregating more than three minutes in any hour). To comply with this part the Permit Holder shall install and maintain a District-approved opacity sensing continuous emission monitor (CEM). (Basis: BAAQMD 6-401, 40 CFR 60.152(a)(2)

6. Total combined beryllium emissions from S-9 and S-10 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 Permit Holder is to demonstrate compliance according to EPA Method 104 of Appendix B of 40 CFR 61.33. (Basis: BAAQMD 11-3-301)

7. Total combined mercury emissions from S-9 and S-10 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

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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 Permit Holder shall monitor mercury emissions from S-9 and S-10 at a frequency of at least once every 12 months. (Basis: 40 CFR 61.55(a))

9. Lead emissions are not to exceed 15 lb/day per ~~incinerator~~ furnace (Basis: BAAQMD 11, Rule 1).

10. To demonstrate compliance with ~~condition~~ parts 4 through 9, above, and with Regulation 6-311 above, ~~source tests shall be conducted within 180 days of permit approval, and ongoing source tests at a frequency of at least once every 60 months~~the Permit Holder shall perform a compliance source test within 180 days of furnace startup and ongoing source tests at a frequency of at least once every 60 months of furnace operation following the previous source test. Source test protocols shall be prepared and pre-approved by the APCO prior to performing any source tests. Note: Source tests performed prior to issuance of the Title V permit may be used to demonstrate initial compliance as long as appropriate sampling and analysis methods were used and approved by the APCO. Source tests to demonstrate compliance with 40 CFR part 503 may also be used to demonstrate compliance as long as appropriate sampling and analysis methods were used and approved by the APCO. Source test results shall be submitted to the APCO within 60 days of analytical completion. (Basis: BAAQMD 2-6-501)

    a. Sewage Sludge sampling: Sewage sludge sampling shall be performed as noted in condition ~~12~~13(f) below. The Permit Holder shall use Method 209F to determine dry sludge content, Method 104 for beryllium, Method 12 for lead, and Method 105 for mercury. (Basis: 40 CFR 60.154)

    b. Exhaust particulate testing: Three composite exhaust samples shall be collected according to EPA Method 5 and analyzed for particulate mass. (Basis: 40 CFR 60.154 (d)(3)).

    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 60.154(d)(3)(i).

11. Ongoing Emissions – Sulfur Dioxide: Exhaust gas emissions shall not exceed 300 ppm, dry SO2. (Basis: BAAQMD 9-1-304)

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To demonstrate compliance with this requirement the Permit Holder 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 analytical completion. (Basis: BAAQMD 9-1-304)

12. NMOC emissions shall be abated by at least 98% by weight across S-9 and S-10 or the concentration shall be less than 120 ppmv, dry NMOC, expressed as methane corrected to 3% oxygen when firing landfill gas. To demonstrate compliance with this requirement, the Permit Holder shall perform a pre-approved initial source test within 60 days of July 1, 2002, or within 60 days of furnace startup (if the furnace is not operational on July 1, 2002), 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. ~~During the source test, CCCSD shall continuously monitor and record combustion temperature. Upon Source Test completion and successful demonstration of compliance with abatement efficiency standard, District staff shall revise the permit condition as an administrative permit amendment to incorporate the specific minimum temperature setpoint. To ensure ongoing compliance with the above NMOC abatement or emission standard, the Permit Holder shall maintain the rolling 3 clock-hour average temperature of hearth 1 at 1,000 degrees F or greater. The Permit Holder shall calculate and record the rolling 3 clock-hour average temperatures in a District-approved log. (Basis: BAAQMD Regulation 8-34-301.4)~~

To ensure compliance with the above NMOC abatement or emission standard, the Permit Holder shall maintain the rolling 3 clock-hour average temperature of hearth 1 at 1,000 degrees F or greater. The Permit Holder shall calculate and record the rolling 3 clock-hour average temperatures in a District-approved log. (Basis: 40CFR 60.158(c)(1)(i))

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 S-9 and S-10 shall be equal to the average hearth 1 temperature measured during a complying source test (NMHC 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

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as required by the New Source Performance Standard (NSPS) for sewage treatment plants the Permit Holder 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 ~~incinerator~~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 ~~incinerator~~furnace. (Basis: 40 CFR 60.153(a)(1))

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))

c. Install, calibrate, maintain and operate a monitoring device that continuously measures and records the oxygen content of the ~~incinerator~~ furnace exhaust gases. The oxygen monitor shall be located upstream of any rabble shaft cooling air inlet in the ~~incinerator~~ 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))

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 ~~incinerator~~furnace. (Basis: 40 CFR 60.153(b)(3))

e. Install, calibrate, maintain and operate a device for measuring the fuel

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flow to the ~~incinerator~~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 continuous and data recorded during all periods of operation of the ~~incinerator~~furnace. (Basis: 40 CFR 60.153(b)(4))

f. Collect and analyze a grab sample of the sludge fed to the ~~incinerator~~ 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))

g. In order to demonstrate compliance with part 2, above, the Permit Holder shall maintain daily records of total solid fuel throughput (ton/day) to S-9 and S-10 sewage sludge ~~incinerators~~ 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) and NESHAPs for Beryllium and Mercury, the Permit Holder 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, ~~during which~~when the pressure drop of the scrubber was less than the following limits. (Basis: 40 CFR 60.155(a)(1)).

1. S-9 (Furnace 1) Wet Scrubber A-2: 5.9 inches W.C.
2. S-10 (Furnace 2) Wet Scrubber A-4: 4.7 inches W.C.

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. (Basis: 40 CFR 60.155(a)(2)).

c. Any recent reports as appropriate or as requested by the APCO. (Basis: 40 CFR 60.155(a)(3), (4), (5), (6))

Condition #16692

For S-11, S-13, S-15, S-22, Lime Storage Silos with Pneumatic Loading System

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1. Particulate matter emissions during lime storage silo S-11, S-13, S-15, or S-22 operation shall be controlled by A-7, Lime Storage Bin Vent Filter FR55315. [Basis: Regulation 2-1-403]

2. A-7 Lime Storage Bin Vent Filter FR55315, shall be checked for visible emissions on a quarterly basis when in use. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions during the next loading event. If no visible emissions are detected, the operator shall continue to check for visible emissions every quarter. [Basis: Regulation 2-6-501]

3. The operator shall keep records of all visible emissions checks, the person performing the check, and all maintenance performed on A-7 Lime Storage Bin Vent Filter FR55315. The records shall be retained for five (5) years and shall be made available to District personnel upon request. [Basis: Regulation 2-6-501]

~~**Condition #16693**~~
~~For S-14 Lime Transfer System~~

~~1. Particulate matter emissions during lime transfer operations shall be controlled by A-8, Lime Dust Collector A-8 FR21211. [Basis: Regulation 2-1-403]~~

~~2. A-8 Lime Dust Collector Filter FR21211, shall be checked for visible emissions on a quarterly basis when in use. The visible emissions check shall take place while the equipment is operating and during daylight hours. If any visible emissions are detected, the operator shall take corrective action, and check for visible emissions during the next loading event. If no visible emissions are detected, the operator shall continue to check for visible emissions every quarter. [Basis: Regulation 2-6-501]~~

~~3. The operator shall keep records of all visible emissions checks, the person performing the check, and all maintenance performed on A-8 Lime Dust Collector FR21211. The records shall be retained for five (5) years and shall be made available to District personnel upon request. [Basis: Regulation 2-6-501]~~

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.

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	BAAQMD 9-7-301.1 (Gaseous Fuels)	Y		30 ppmv @ 3% O2, dry	BAAQMD Condition #21422, part 7	P/once every 60 months	source test
	BAAQMD 9-7-302.1 (Non-Gaseous Fuels)	Y		40 ppmv @3% O2, dry	BAAQMD Condition #21422, part 7	P/once every 60 months	source test
	BAAQMD 9-7-305.1	Y		150 ppmv @ 3% O2, dry	BAAQMD 9-7-503.2	P/E	Records
	BAAQMD 9-7-306.1	Y		150 ppmv @ 3% O2, dry	BAAQMD 9-7-503.2	P/E	Records
CO	BAAQMD 9-7-301.2 (Gaseous Fuels)	Y		400 ppmv @ 3% O2, dry	BAAQMD Condition #21422, part 7	P/once every 60 months	source test

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
CO	BAAQMD 9-7-302.2 (Non-Gaseous Fuels)	Y		400 ppmv @ 3% O2, dry		N	
	BAAQMD 9-7-305.2	Y		400 ppmv @ 3% O2, dry	BAAQMD 9-7-503.2	P/E	Records
	BAAQMD 9-7-306.2	Y		400 ppmv @ 3% O2, d	BAAQMD 9-7-503.3	P/E	Records
SOx	BAAQMD 9-1-301	N		GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD Condition #21422, part 2	P/Q	Fuel Sulfur Analysis based calculation
	BAAQMD 9-1-304	Y		Sulfur content of fuel (<0.5% by wt)	BAAQMD Condition #21422, part 9b	P/M	Fuel Sulfur Analysis
	BAAQMD Condition #21422, part 2	Y		300 ppm (dry)	BAAQMD Condition #21422, part 2	P/ Q	Fuel Sulfur Analysis based calculation
SOx	BAAQMD Condition #21422, part 6	Y		Sulfur content of fuel (<0.5% by wt)	BAAQMD Condition #21422, part 9b	P/M	Fuel Sulfur Analysis
TSP	BAAQMD 6-301	Y		Ringelmann No. 1		N	
	BAAQMD 6-310	Y		0.15 grains/dscf @ 6% O_2		N	

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
Organics & CH_4	BAAQMD, Cond 21422, part 8	N		Emission Reduction: 98% by weight or concentration less than 120 ppmdv NMOC, as methane @ 3% O2	BAAQMD, Cond 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 ppmdv NMOC, as methane and at 3% O2	8-34-507	C	temperature monitor and recorder
	BAAQMD 8-34-301.4	N		Emission Reduction: 98% by weight or concentration less than 120 ppmdv NMOC, as methane and at 3% O2	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 ppmdv NMOC, as methane and at 3% O2	8-34-412	P/A	source test
Organics & CH_4	BAAQMD 8-34-301.~~1~~2	Y		Max Leakage: 1000 ppmv (as CH_4)	BAAQMD 8-39-503	P/Q	Leak Testing
Heat input	BAAQMD Condition 21422, part 1	Y		Not to exceed 28 mmbtu/hr	BAAQMD Condition 21422 part 9a	P/M	Records
Boiler Temp	BAAQMD Condition 21422, part 8	Y		770 degrees F or greater, when burning landfill gas	BAAQMD Condition 21422, part 8	C	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S-9, Furnace 1, Sewage Sludge (Incinerator)
S-10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SOx	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
TSP	BAAQMD 6-301	Y		Ringelmann No. 1		N	
	BAAQMD 6-302	Y		20% opacity for no more than 3 min in any hour	BAAQMD 6-501	C	COM
	BAAQMD 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 per permit term	Exhaust sample & analysis
	Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition #21423, part 10	P/once per permit term	Exhaust sample & analysis
	BAAQMD Condition 21423, part 4	Y		343 mg particulate/dscm of exhaust gas volume	40 CFR 60.154 (d)(3)	P/once per permit term	Exhaust sample & analysis
	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)	C	Sludge flow meter
TSP	40 CFR 60.152(a) (1)	Y		0.65 g particulate matter/kg dry sludge	40 CFR 60.153(a)(3)	C	Sludge weighing

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S-9, Furnace 1, Sewage Sludge (Incinerator)
S-10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	40 CFR 60.152(a) (1)	Y		0.65 g particulate matter/kg dry sludge (pressure drop shall not drop below individual furnace scrubber pressure setpoints for > 15 min in any hour)	40 CFR 60.153(b)(1), BAAQMD Condition 21423, parts 13b and 14a	C	Pressure drop 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)	C	Temperature monitoring
	40 CFR 60.152(a) (1)	Y		0.65 g particulate matter/kg dry sludge	40 CFR 60.153(b)(4)	C	Fuel flow meter
	40 CFR 60.152 (1)	Y		0.65 g particulate matter/kg dry sludge	40 CFR 60.153(b)(5)	P/D	Sludge sample and analysis
TSP	40 CFR 60.152(a) (2), BAAQMD Condition 21423 Part 5	Y		20% Opacity or greater	40 CFR 60.154	C	COM

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S-9, Furnace 1, Sewage Sludge (Incinerator)
S-10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NMOC	BAAQMD Condition 21423, Part 12	N		Emission Reduction: 98% by weight or concentration less than 120 ppmdv NMOC, as methane and at 3% O2	BAAQMD Condition 21423, part 12	C	temperature monitor and recorder
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 ppmdv NMOC, as methane and at 3% O2	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 ppmdv NMOC, as methane and at 3% O2	8-34-508	C	gas flow meter
NMOC	BAAQMD 8-34-301.4	N		Emission Reduction: 98% by weight or concentration less than 120 ppmdv NMOC, as methane and at 3% O2	8-34-412	P/A	source test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S-9, Furnace 1, Sewage Sludge (Incinerator)
S-10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H_2S	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 per permit term	Sludge Analysis, Exhaust Source Test
	BAAQMD 11-1-302	Y		Max GLC (w/o background): 1.0 microgram/cu m (24 hr ave)		N	
Be	BAAQMD 11-3-301, BAAQMD Condition 21423, part 6	N		10 g/ 24 hr	BAAQMD Condition 21423, part 10	P/once per permit term	Sludge Analysis, Exhaust Source Test
	40 CFR Part 61.32	Y		10 g/ 24 hr	BAAQMD Condition 21423, part 10	P/ once per permit term	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 per permit term	Sludge Analysis, Exhaust Source Test
	40 CFR Part 61.52 (b)	Y		3.2 kg/24 hr	40 CFR Part 61.53	P/once per permit term	Sludge Analysis, Exhaust Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII -B
Applicable Limits and Compliance Monitoring Requirements
S-9, Furnace 1, Sewage Sludge (Incinerator)
S-10, Furnace 2, Sewage Sludge (Incinerator)

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Solid Fuel Feed Rate	Permit Condition 21423, Part 2	Y		110 ton sludge (dry)/day	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	Permit Condition 21423, Part 13a	P/C	flow measuring device
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-11 Lime Storage Silo w/Pneumatic Loading System
S-13 Lime Storage Silo w/Pneumatic Loading System
S-15 Lime Storage Silo w/Pneumatic Loading System
S-22 Lime Storage Silo w/Pneumatic Loading System

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	Y		Ringelmann No. 1	BAAQMD Cond# 16692, part 2	P/Q	visible emissions check
	BAAQMD 6-310	Y		0.15 grains/dscf	BAAQMD Cond# 16692, part 2	P/Q	visible emissions check
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Cond# 16692, part 2	P/Q	visible emissions check

~~Table VII - D~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~S-14 Lime Transfer System~~

~~Type of limit~~	~~Emission Limit Citation~~	~~FE Y/N~~	~~Future Effective Date~~	~~Emission Limit~~	~~Monitoring Requirement Citation~~	~~Monitoring Frequency (P/C/N)~~	~~Monitoring Type~~
~~TSP~~	~~BAAQMD 6-301~~	~~Y~~		~~Ringelmann No. 1~~	~~BAAQMD Cond# 16693, part 2~~	~~P/Q~~	~~visible emissions check~~
	~~BAAQMD 6-310~~	~~Y~~		~~0.15 grains/dscf~~	~~BAAQMD Cond# 16693, part 2~~	~~P/Q~~	~~visible emissions check~~
	~~BAAQMD 6-311~~	~~Y~~		~~$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr~~	~~BAAQMD Cond# 16693, part 2~~	~~P/Q~~	~~visible emissions check~~

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - ~~E~~ D
Applicable Limits and Compliance Monitoring Requirements
S-24 Centrifuges and Cake Hoppers

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	Y		Ringelmann No. 1		N	
	BAAQMD 6-310	Y		0.15 grains/dscf		N	
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	
H_2S	BAAQMD Condition 1716, Part 1	N		1.5 ppmv		N	

Table VII - ~~F~~E
Applicable Limits and Compliance Monitoring Requirements
S-25 Gasoline Dispensing Facility

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Throughput	Condition 7523, Part 1	N		400,000 gallons	Condition 7523 Part 2	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - ~~G~~ F
Applicable Limits and Compliance Monitoring Requirements
S-180 Sludge Handling Processes

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	Y		Ringelmann No. 1		N	
	BAAQMD 6-310	Y		0.15 grains/dscf		N	
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	

Table VII - ~~H~~G
Applicable Limits and Compliance Monitoring Requirements
S-182 Ash Conveying System

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	Y		Ringelmann No. 1	BAAQMD Cond# 21425, part 4	C	Mikro-Charge Leakgauge Particulate Monitor/Alarm
	BAAQMD 6-301	Y		Ringelmann No. 1	BAAQMD Cond# 21425, part 5	P/D	Operator Visual Stack Inspection
	BAAQMD 6-310	Y		0.15 grains/dscf	BAAQMD Cond# 21425, part 4	C	Mikro-Charge Leakgauge Particulate Monitor/Alarm
	BAAQMD 6-310	Y		0.15 grains/dscf	BAAQMD Cond# 21425, part 5	P/D	Operator Visual Stack Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - ~~H~~G
Applicable Limits and Compliance Monitoring Requirements
S-182 Ash Conveying System

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Cond# 21425, part 4	C	Mikro-Charge Leakgauge Particulate Monitor/Alarm
	BAAQMD 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Cond# 21425, part 5	P/D	Operator Visual Stack Inspection

Table VII - ~~I~~H
Applicable Limits and Compliance Monitoring Requirements
S-188 Natural Gas Fired Turbine Generator with HRSG

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	BAAQMD 9-9-301.1	Y		42 ppmv, dry @ 15% O_2, 3-hr average	BAAQMD Cond #21485 part 11	C	CEM
	40 CFR Part 60.332	Y		154 ppm (dry basis) @ 15% O_2 on a clock-hour basis	BAAQMD Cond #21485 part 13	C	water-to-fuel monitoring
NOx	40 CFR Part 60.332	Y		154 ppm (dry basis) @ 15% O_2 on a clock-hour basis	Nitrogen content monitoring per 40 CFR 60.334(a) subsumed by BAAQMD condition #21485, part 11. See Permit Shield.	N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - ~~I~~H
Applicable Limits and Compliance Monitoring Requirements
S-188 Natural Gas Fired Turbine Generator with HRSG

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	BAAQMD Condition 21485, part #2	Y		42 ppmv, dry @ 15% O_2, 3-hr average	BAAQMD 9-9-501, BAAQMD cond #21485 part 11	C	CEM
	BAAQMD Condition #21485, part 4	Y		118 lb/day	BAAQMD cond #21485 part 11	C	CEM
	BAAQMD Condition #21485, part #~~4~~ 5	Y		19.824 ton/rolling 365 day period	BAAQMD cond #21485 part 11	C	CEM
CO	BAAQMD Condition #21485, part 6	Y		157 lb/24 hour	BAAQMD cond #21485 part 9	P/once every 60 months	source test
	BAAQMD Condition #21485, part 7	Y		26.376 tons/rolling 365 day period	BAAQMD cond #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 ave)		N	
	BAAQMD 9-1-302 NSPS Subpart GG, 60.333 (b)	N Y		Maximum exhaust stream conc - 300 ppm 0.8 % sulfur in fuel by weight (natural gas)	Fuel sulfur monitoring requirement subsumed by BAAQMD condition #21485, part 1c. See Permit Shield.	N N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - ~~I~~H
Applicable Limits and Compliance Monitoring Requirements
S-188 Natural Gas Fired Turbine Generator with HRSG

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 21485, part #8	Y		Maximum exhaust stream conc – 150 ppm @ 15% O2	BAAQMD Condition 21485 part 8	P/Q	Fuel Sulfur Analysis based calculation
TSP	BAAQMD 6-301	Y		Ringelmann No. 1		N	
	BAAQMD 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

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 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 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	Performance Standard, NOx, Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-301.2	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.1	Performance Standard, NOx, Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling, ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.2	Performance Standard, CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 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
BAAQMD 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
BAAQMD 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
BAAQMD 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 60.332(a)(1)	Performance Standard, NOx Emissions from Stationary Gas Turbines	EPA Method 20, Continuous Emission Monitoring – Nitrogen Oxides
40 CFR 60.333	Performance Standard, SOx Emissions, ppm	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
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 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	EPA Method 101, Determination of Mercury Emissions from Sewage Sludge Incinerators

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition 1716, Part 1	Performance Standard - H2S Concentration - Stack Outlet	Manual of Procedures, Volume IV, ST-28, Hydrogen Sulfide, Integrated Sampling
BAAQMD Cond. #21485, Part 2	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Cond. #21485, Part 4	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Cond. #21485, Part 5	NOx Limits	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Cond. #21485, Part 6	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Cond. #21485, Part 7	CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21422, Part 3	NOX Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21422, Part 4	NOX Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21422, Part 5	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition 21422, Part 6	Sulfur Content of distillate oil	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD Condition 21422, Part 8	VOC Abatement Efficiency	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 Flame Ionization Analyzer"

VIII. Test Methods

Table VIII
Test Methods

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

IX. PERMIT SHIELD

A. SUBSUMED REQUIREMENTS

Pursuant to District Regulations 2-6-233.2 and 2-6-409.12, as of the date this permit is issued, the federally enforceable monitoring, recordkeeping, and reporting requirements cited in the following table for the source or group of sources identified at the top of the table[s] are subsumed by the monitoring, recordkeeping, and reporting for more stringent requirements or by a "hybrid" monitoring scheme. The District has determined that compliance with the requirements listed below and elsewhere in this permit will assure compliance with the substantive requirements of the subsumed monitoring requirements. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the subsumed monitoring requirements cited.

Table IX-A
S-188 Natural Gas & Landfill Gas Fired Turbine Generator with HRSG

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
NSPS Subpart GG	**Standards of Performance for Stationary Gas Turbines**		
60.334 (b)(2)	Fuel Sulfur monitoring (natural gas)	BAAQMD Condition #13271, part lc	Requirement for use of PUC quality natural gas
60.334 (b)(2)	Fuel Nitrogen Content monitoring	BAAQMD Condition #13271, part 10	Requirement for CEM monitoring of NOx for BAAQMD 9-9-301.1 limit

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 S-7 and S-8, 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 S-7,8, 9, 10, 182, 188
- Revise monitoring frequency on landfill gas sulfide as allowed by condition.
- Remove landfill gas destruction requirements with expired requirements.
- Revise conditions for S-7 and S-8 to establish operating parameter (temp) to ensure compliance with Reg 8-34 LFG destruction efficiency.
- Revise conditions for S-9 and S-10 to establish operating parameter (temp) to ensure compliance with Reg 8-34 LFG destruction efficiency.
- Revise conditions for S-9 and S-10 to establish scrubber operating parameter (pressure drop setpoints) to ensure compliance with 40 CFR 60.155(a)(1) for particulate control.
- Revise conditions for S-182 ash loading system dust collection devices—allowing for improved monitoring of the collection system operation.
- Revise conditions for S-188 Gas Turbine: Remove all references to any requirements for burning landfill gas.

IX. Glossary

XI. GLOSSARY

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.

IX. Glossary

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

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

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 ~~both~~ 40 CFR Part 63, ~~and District Regulation 2, Rule 5~~.

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)

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from

IX. Glossary

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. ~~the District is classified "non-attainment"~~. Mandated by Title I of the Federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 ~~as well as~~ 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 at a ~~specified ratio~~ for the emissions from a new or modified source ~~and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits.~~ Applies to emissions of POC, NOx, PM10, and SO2.

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 ~~by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V~~ of the Clean Air Act.

POC
Precursor Organic Compounds

PM
~~Total~~ 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

IX. Glossary

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

Units of Measure:

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

IX. Glossary

yr	=	year

~~XI. APPLICABLE STATE IMPLEMENTATION PLAN~~

~~The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:~~

~~http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1~~