Bay Area Air Quality Management District

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

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Waste Management of Alameda County
Facility #A2066

Facility Address:
10840 Altamont Pass Road
Livermore, CA 94550

Mailing Address:
10840 Altamont Pass Road
Livermore, CA 94550

Responsible Official	**Facility Contact**
Mr. ~~James Devlin~~**Ken Lewis**	Mr. Ken Lewis
~~North Bay Market Area~~ **District** Manager	District Manager
~~510-430-8509~~**925-455-7350**	925-455-7350

Type of Facility: Solid Waste Landfill
Primary SIC: 4953
Product: Waste Disposal and Electricity Generation

BAAQMD Permit Division Contact:
Carol S. Allen

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 6/28/99);

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 1/26/99);

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 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking (as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking (as approved by EPA through 1/26/99); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review (as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on December 1, 2003, and expires on November 30, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than May 31, 2008 and no earlier than November 30, 2007. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** November 30, 2008**.** (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)

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

I. Standard Conditions

11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (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 that is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of 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 December 1, 2003, to May 31, 2004. The report shall be submitted by June 30, 2004. Subsequent reports shall be for the following periods: June 1st through November 30th and December 1st through May 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

I. Standard Conditions

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

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

(Regulation 2-6-502, 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 December 1st to November 30th. The certification shall be submitted by December 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)

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

I. Severability

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

J. Miscellaneous Conditions

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

II. EQUIPMENT

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-2	Altamont Landfill Landfill Gas Collection System	Active, Class II, solid waste disposal site that accepts municipal, commercial, industrial, construction, and designated/special wastes (industrial and sewage sludge and contaminated soils) active		Maximum Waste Acceptance Rate = 11,150 tons/day Maximum Design Capacity = 58.9 E6 yd^3 (45.0 E6 m^3) Maximum Cumulative Waste = 47.1 E6 tons (42.7 E6 Mg) 44 vertical wells 14 horizontal collectors 3 combination collectors 2 leachate collection risers
S-6	Gas Turbine, fired on landfill gas exclusively	Solar Centaur	T-4500	3330 kW**, 57.4 MM BTU/hour**
S-7	Gas Turbine, fired on landfill gas exclusively	Solar Centaur	T-4500	3330 kW**, 57.4 MM BTU/hour**
S-19	Transfer Tank with Siphon Pump	Custom Made		6,000 gallon capacity, 1100 gallons/hour, storing and separating condensate
S-23	Internal Combustion Engine, fired on landfill gas, LNG, and LNG Plant waste gas	Duetz	TBG 620 V16	1877 bhp and 17.5 MM BTU/hour
S-24	Internal Combustion Engine, fired on landfill gas, LNG, and LNG Plant waste gas	Duetz	TBG 620 V16	1877 bhp and 17.5 MM BTU/hour
~~S-25~~	~~Liquefied Natural Gas Plant (not constructed yet, ATC was issued 6/7/02)~~	~~Cryofuel~~	~~LW50~~	~~treating 1150 scfm of landfill gas and producing 7000 gallons/day of LNG~~

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-26~~	~~Liquefied Natural Gas Plant (not constructed yet, ATC was issued 6/7/02)~~	~~Cryofuel~~	~~LW50~~	~~treating 1150 scfm of landfill gas and producing 7000 gallons/day of LNG~~
S-99	Non-Retail Gasoline Dispensing Facility G # 7123 (Phase I is Coaxial, Phase II is Vapor Balance)	1 Above Ground Split Tank 1 Gasoline Nozzle 1 Diesel Nozzle (exempt)	AGT C3000 Wheaton OPW11VF	2500 gallon capacity for gasoline and 500 gallon capacity for diesel (diesel storage is exempt) 19 gallons/minute
S-140	SBR 1, aerated biological reactor	Peabody TecTank	API 12BPRINC	144,300 gallon capacity, 500 cfm of air, and 34,150 gallons/day
S-141	SBR 2, aerated biological reactor	Peabody TecTank	API 12BPRINC	144,300 gallon capacity, 500 cfm of air, and 34,150 gallons/day
S-190	Diesel Engine (for emergency standby generator at WWTP)	Cummins	LTA-10-G1	380 bhp, <1500 in^3 displacement, 17.1 gallons/hour diesel oil
S-191	Diesel Engine (for primary water pump)	Duetz	F4L912	63 bhp, <1500 in^3 displacement, 3.3 gallons/hour diesel oil
S-192	Diesel Engine (for booster water pump)	Duetz	F4L912	63 bhp, <1500 in^3 displacement, 3.3 gallons/hour diesel oil
S-193	Diesel Engine (for fire pump at Gas Plant)	Caterpillar	3208	159 bhp, <1500 in^3 displacement, 7.1 gallons/hour diesel oil
S-194	Diesel Engine (for emergency standby generator at Flare Station)	Cummins	6CT-8.3G	207 bhp, <1500 in^3 displacement, 10.0 gallons/hour diesel oil

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-195	Diesel Engine (for emergency standby generator at Maintenance Facility)	Cummins	6CT-8.3G	207 bhp, <1500 in^3 displacement, 10.0 gallons/hour diesel oil
S-196	Diesel Engine (for emergency standby generator at Scale-house)	Isuzu	DCA-60SSA-1	78 bhp, <1500 in^3 displacement, 4.0 gallons/hour diesel oil
S-197	Diesel Engine (for portable generator at Break Trailer)	Cummins	4BT-3.9-G1	78 bhp, <1500 in^3 displacement, 3.96 gallons/hour diesel oil
S-198	Diesel Engine (for vacuum truck pump)	Cummins	6BTA-5.9	177 bhp, <1500 in^3 displacement, 8.6 gallons/hour diesel oil

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-6	Fogging System, water injection upstream of compressors (operation of this unit is optional)	S-6	none	none	not applicable
A-7	Fogging System, water injection upstream of compressors (operation of this unit is optional)	S-7	none	none	not applicable
A-15	Landfill Gas Flare, LFG Specialties, EF945I12, 71 MM BTU/hour, burning LFG, LNG Plant Waste Gas, condensate, and propane. (A-15 is on ATC Start-Up. PTO is pending source test results, which are expected in October 2003.)	S-2	BAAQMD 8-34-301.3, see also Table IV-A	Minimum Combustion Zone Temperature of 1400 °F, see also Table VII-A	98% destruction of NMOC or < 30 ppmv of NMOC, as CH_4, at 3% O_2, dry

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit.

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	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 (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	N
SIP Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (10/16/02)	N
SIP Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (12/9/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD 8-40-116	Exemption, Small Volume	Y
BAAQMD 8-40-117	Exemption, Accidental Spills	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants - Asbestos Containing Serpentine (7/17/91)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants –General Provisions (5/28/03)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit. All other text may be found in the regulations themselves.

Table IV – A
Source-Specific Applicable Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

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

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

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 No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation (applies to flare only)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (3/22/95)**		
8-2-301	Miscellaneous Operations (applies to handling and disposal activities for low VOC soil only)	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (10/6/99)**		
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	
8-34-116	Limited Exemption, Well Raising	Y	
8-34-116.1	New Fill	Y	
8-34-116.2	Limits on Number of Wells Shutdown	Y	
8-34-116.3	Shutdown Duration Limit	Y	
8-34-116.4	Capping Well Extensions	Y	
8-34-116.5	Well Disconnection Records	Y	
8-34-117	Limited Exemption, Gas Collection System Components	Y	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	Y	
8-34-117.2	New Components are Described in Collection and Control System Design Plan	Y	
8-34-117.3	Meets Section 8-34-118 Requirements	Y	
8-34-117.4	Limits on Number of Wells Shutdown	Y	
8-34-117.5	Shutdown Duration Limit	Y	
8-34-117.6	Well Disconnection Records	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-118	Limited Exemption, Construction Activities	Y	
8-34-118.1	Construction Plan	Y	
8-34-118.2	Activity is Required to Maintain Compliance with this Rule	Y	
8-34-118.3	Required or Approved by Other Enforcement Agencies	Y	
8-34-118.4	Emission Minimization Requirement	Y	
8-34-118.5	Excavated Refuse Requirements	Y	
8-34-118.6	Covering Requirements for Exposed Refuse	Y	
8-34-118.7	Installation Time Limit	Y	
8-34-118.8	Capping Required for New Components	Y	
8-34-118.9	Construction Activity Records	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.3	Limits for Enclosed Flares (applies to flare only)	Y	
8-34-303	Landfill Surface Requirements	Y	
8-34-304	Gas Collection System Installation Requirements	Y	
8-34-304.1	Based on Waste Age For Inactive or Closed Areas	Y	
8-34-304.2	Based on Waste Age For Active Areas	Y	
8-34-304.3	Based on Amount of Decomposable Waste Accepted	Y	
8-34-304.4	Based on NMOC Emission Rate	Y	
8-34-305	Wellhead Requirements	Y	
8-34-305.1	Operate Under Vacuum	Y	
8-34-305.2	Temperature < 55 °C	Y	
8-34-305.3	Nitrogen < 20% or	Y	
8-34-305.4	Oxygen < 5%	Y	
8-34-405	Design Capacity Reports	Y	
8-34-408	Collection and Control System Design Plans	Y	
8-34-408.2	Sites With Existing Collection and Control Systems	Y	
8-34-411	Annual Report	Y	
8-34-412	Compliance Demonstration Tests	Y	
8-34-413	Performance Test Report	Y	
8-34-414	Repair Schedule for Wellhead Excesses	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-414.1	Records of Excesses	Y	
8-34-414.2	Corrective Action	Y	
8-34-414.3	Collection System Expansion	Y	
8-34-414.4	Operational Due Date for Expansion	Y	
8-34-415	Repair Schedule for Surface Leak Excesses	Y	
8-34-415.1	Records of Excesses	Y	
8-34-415.2	Corrective Action	Y	
8-34-415.3	Re-monitor Excess Location Within 10 Days	Y	
8-34-415.4	Re-monitor Excess Location Within 1 Month	Y	
8-34-415.5	If No More Excesses, No Further Re-Monitoring	Y	
8-34-415.6	Additional Corrective Action	Y	
8-34-415.7	Re-monitor Second Excess Within 10 days	Y	
8-34-415.8	Re-monitor Second Excess Within 1 Month	Y	
8-34-415.9	If No More Excesses, No Further Re-monitoring	Y	
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	Y	
8-34-415.11	Operational Due Date for Expansion	Y	
8-34-416	Cover Repairs	Y	
8-34-501	Operating Records	Y	
8-34-501.1	Collection System Downtime	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.3	Continuous Temperature Records for Enclosed Combustors (applies to flares only)	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.7	Waste Acceptance Records	Y	
8-34-501.8	Non-decomposable Waste Records	Y	
8-34-501.9	Wellhead Excesses and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	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	
8-34-505	Well Head Monitoring	Y	

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S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-506	Landfill Surface Monitoring	Y	
8-34-507	Continuous Temperature Monitor and Recorder (applies to flares only)	Y	
8-34-508	Gas Flow Meter	Y	
8-34-510	Cover Integrity Monitoring	Y	
BAAQMD Regulation 8, Rule 40	**Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/1999)**		
8-40-110	Exemption, Storage Pile	Y	
8-40-112	Exemption, Sampling	Y	
8-40-113	Exemption, Non-Volatile Hydrocarbons	Y	
8-40-116	Exemption, Small Volume	Y	
8-40-116.1	Volume does not exceed 1 cubic yard	Y	
8-40-116.2	Volume does not exceed 8 cubic yards, organic content does not exceed 500 ppmw, may be used only once per quarter	Y	
8-40-117	Exemption, Accidental Spills	Y	
8-40-118	Exemption, Aeration Projects of Limited Impact	Y	
8-40-301	Uncontrolled Contaminated Soil Aeration	Y	
8-40-304	Active Storage Piles	Y	
8-40-305	Inactive Storage Piles	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations (applies to flare only)	Y	
9-1-302	General Emission Limitations (applies to flare only)	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	
BAAQMD Regulation 11, Rule 2	**Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (10/7/98)**		
11-2-301	Prohibited Operations	N	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
11-2-301.1	Surfacing of Roadways with Asbestos Tailings or Wastes	N	
11-2-305	Waste Disposal Sites	N	
11-2-305.1	Warning Signs	N	
11-2-305.2	Fenced Perimeter	N	
11-2-305.3	Alternative Emission Control Methods	N	
11-2-305.3.1	Vegetative and/or Soil Cover for Asbestos Wastes at Inactive Sites	N	
11-2-305.3.2	Chemical Dust Suppression for Asbestos Tailings at Inactive Sites	N	
11-2-305.3.3	Soil Cover or Chemical Dust Suppression for Asbestos Waste at Active Sites	N	
11-2-305.4	Waste Monitoring Requirements for Active Waste Disposal Sites	N	
11-2-305.4.1	Waste Shipment Records	N	
11-2-305.4.2	Send Copy of Waste Shipment Record to Waste Generator	N	
11-2-305.4.3	Resolve/Report Waste Records Discrepancies	N	
11-2-403	Excavating or Disturbing Asbestos-Containing Waste	N	
11-2-405	Fees	N	
11-2-503	Active Waste Disposal Site Records	N	
11-2-503.1	Waste Shipment Records	N	
11-2-503.1.1	Waste Generator: name, address, phone, waste site location	N	
11-2-503.1.2	Transporter: name, address, phone	N	
11-2-503.1.3	Quantity (yd^3) of Asbestos Waste	N	
11-2-503.1.4	Report Any Improperly Enclosed Waste	N	
11-2-503.1.5	Date of Waste Receipt	N	
11-2-503.2	Asbestos Waste Location Records: location, depth, area, quantity of waste	N	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (5/4/98)**		
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operational before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 60, Subpart Cc	**Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/99)**		
60.36c(a)	Collection and Control Systems in Compliance by 30 months after Initial NMOC Emission Rate Report Shows NMOC Emissions $\geq$ 50 MG/year	Y	
40 CFR Part 61, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions (5/28/03)**		
61.04	Address	Y	
61.05	Prohibited Activities	Y	
61.07	Application for Approval of Construction or Modification	Y	
61.09	Notification of Startup	Y	
61.10	Source reporting and Waiver Request	Y	
61.12	Compliance with Standards and Maintenance Requirements	Y	
61.12(b)	Compliance with operational standards as specified in subpart	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.12(c)	Operate in compliance with good air pollution control practice	Y	
61.15	Modification	Y	
61.19	Circumvention	Y	
40 CFR Part 61, Subpart M	**National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)**		
61.143	Standards for Roadways	Y	
61.153	Reporting	Y	
61.153(a)	New Source Reporting Dates	Y	
61.153(a)(5)	Waste Disposal Site Description and Compliance Methods	Y	
61.153(b)	Information Required by 60.10	Y	
61.154	Standards for Active Waste Disposal Sites	Y	
61.154(b)	Warning Signs and Fencing	Y	
61.154(b)(1)	Warning Sign Locations	Y	
61.154(b)(2)	Adequately Fenced Perimeter	Y	
61.154(c)	Covering Requirements for Asbestos Waste Material	Y	
61.154(c)(1)	6 inches of compacted soil	Y	
61.154(c)(2)	Chemical dust suppressant	Y	
61.154(e)	Record Keeping and Reporting Requirements	Y	
61.154(e)(1)	Maintain Waste Shipment Records	Y	
61.154(e)(2)	Send Copy of Waste Shipment Record to Waste Generator	Y	
61.154(e)(3)	Report Discrepancies to Administrator	Y	
61.154(e)(4)	Retain Records for 2 years	Y	
61.154(f)	Maintain Records about Asbestos Waste Deposition	Y	
61.154(i)	Furnish Records Upon Request	Y	
61.154(j)	Notify Administrator Before Disturbing Asbestos Wastes	Y	
61.154(j)(1)	Scheduled Starting and Completion Dates	Y	
61.154(j)(2)	Reason for Disturbing Waste	Y	
61.154(j)(3)	Emission Control Procedures	Y	
61.154(j)(4)	Locations of Temporary and Final Storage Sites	Y	
40 CFR Part 62	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (6/9/03)**		

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S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
62.1100	Identification of Plan	Y	
62.1115	Identification of Sources	Y	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/94)**		
63.4	Prohibited activities and circumvention	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63, Subpart AAAA	**National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (1/16/03)**		
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	
63.1955(c)	Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6 month compliance reporting requirements	Y	
63.1960	How is compliance determined?	Y	
63.1965	What is a deviation?	Y	
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	
63.1980	What records and reports must I keep and submit?	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months	Y	
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports	Y	
BAAQMD Condition # 19235			
Part 1	Landfill Gas Collection System Equipment Requirements (Regulations 8-34-301.1, 8-34-303, 8-34-304, and 8-34-305)	Y	
Part 2	Landfill Gas Collection and Control Requirements (Regulations 8-34-301 and 8-34-303)	Y	
Part 3	Material Usage Restrictions for A-15 Landfill Gas Flare (Regulation 2-1-301)	Y	
Part 4	Heat Input Limit for A-15 Landfill Gas Flare (Regulation 2-1-301)	Y	
Part 5	Flare Alarm Requirements (Regulation 8-34-301)	Y	
Part 6	Flare Flow Meter Requirements (Offsets, Cumulative Increase, and Regulations 2-1-301, 8-34-301, 8-34-501.10, and 8-34-508)	Y	
Part 7	NO_x Emission Limits for A-15 Landfill Gas Flare (RACT and Offsets)	Y	
Part 8	CO Emission Limits for A-15 Landfill Gas Flare (RACT and Cumulative Increase)	Y	
Part 9	NMOC Emission Limits for A-15 Landfill Gas Flare (Offsets, Cumulative Increase, and Regulation 8-34-301.3)	Y	
Part 10	Combustion Zone Temperature Limit for A-15 Landfill Gas Flare (RACT, Offsets, Cumulative Increase, Toxic Risk Management Policy, and Regulation 8-34-301.3)	Y	
Part 11	Landfill Gas Sulfur Concentration Limit (Regulation 9-1-302 and Cumulative Increase)	Y	
Part 12	Toxic Air Contaminant Concentration Limits for Landfill Gas (Toxic Risk Management Policy)	N	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 13	Source Test Requirements (RACT, Offsets, Cumulative Increase, Toxic Risk Management Policy, and Regulations 8-34-301.3, 8-34-412, and 9-1-302)	Y	
Part 14	Landfill Gas Characterization Analysis Requirements (Toxic Risk Management Policy, Cumulative Increase, and Regulation 8-34-412)	Y	
Part 15	Record Keeping Requirements for Flare (Offsets, Cumulative Increase, and Regulations 2-6-501, 8-34-301, and 8-34-501)	Y	
Part 16	Banking Restrictions for IC Engines and LNG Plants (Regulation 2-4-303.5)	Y	
Part 18	Waste Acceptance Rate Limits and Waste Disposal Limits (Regulations 2-1-234.3 and 2-1-301)	Y	
Part 19	Particulate Emissions Control Measures (Regulations 2-1-403, 6-301, and 6-305)	Y	
Part 20	Limits on Emissions due to Activities Involving VOC-Laden Soil, Excluding Contaminated Soil Subject to Part 21 (Regulation 8-2-301)	Y	
Part 21	Restrictions on Activities Involving VOC Contaminated Soil (Regulations 2-1-301, 2-1-403, 8-40-301, 8-40-304, and 8-40-305)	Y	
Part 22	Record Keeping Requirements for Landfill (Regulations 2-1-301, 2-6-501, 6-301, 6-305, 8-2-301, 8-40-301, 8-34-304, and 8-34-501)	Y	
Part 23	Reporting periods and report submittal due dates for the Regulation 8, Rule 34 report (Regulation 8-34-411 and 40 CFR 63.1980(a))	Y	
BAAQMD Condition # 20828			Upon Completion of Road Paving Require-ments for Certificate of Deposit # 821
Part 1	Paved Road Maintenance Requirements (Regulation 2-2-201)	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Silt Loading Limit and Testing Requirements (Regulation 2-2-201)	Y	
Part 3	Limits on Vehicle Miles Traveled, Average Vehicle Weights, and PM_{10} Emissions (Regulation 2-2-201)	Y	
Part 4	Record Keeping Requirements (Regulations 2-2-419.1 and 2-6-501)	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.

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Table IV – B
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S-6 GAS TURBINE
S-7 GAS TURBINE
A-6 FOGGING SYSTEM
A-7 FOGGING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP 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 No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds - Solid Waste Disposal Sites (10/6/99)**		
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 and Emission Control System Requirements	Y	
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.4	Limits for Other Emission Control Systems	Y	
8-34-411	Annual Report	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-412	Compliance Demonstration Tests	Y	
8-34-413	Performance Test Report	Y	
8-34-501	Operating Records	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.11	Records of Key Emission Control System Operating Parameters	Y	
8-34-501.12	Records Retention for 5 Years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-508	Gas Flow Meter	Y	
8-34-509	Key Emission Control System Operating Parameters	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	
BAAQMD Regulation 9, Rule 9	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (9/21/94)**		
9-9-113	Exemption, Inspection and Maintenance Periods	Y	
9-9-113.1	Time limits on inspection and maintenance periods	Y	
9-9-114	Exemption, Start-up and Shutdown Periods	Y	
9-9-301	Emission Limits, General	Y	
9-9-301.1	NO_x limits for gas turbines rated at: $\geq$ 0.3 MW and <10.0 MW	Y	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (~~5/4/98~~7/8/04)**		

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S-7 GAS TURBINE
A-6 FOGGING SYSTEM
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operational before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 60, Subpart Cc	**Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/99)**		
60.36c(a)	Collection and Control Systems in Compliance by 30 months after Initial NMOC Emission Rate Report Shows NMOC Emissions ≥ 50 MG/year	Y	
40 CFR Part 60, Subpart GG	**Standards of Performance for Stationary Gas Turbines (~~1/27/82~~7/8/04)**		
60.332	Standard for Nitrogen Oxides	Y	
60.332(a)	Subject turbines shall comply with either paragraph (a)(1) or (a)(2)	Y	
60.332(a)(2)	NO_x emission standard for small turbines	Y	
60.332(c)	Paragraph (a)(2) applies to turbines with heat input of: ≥ 10 MM BTU/hour and ≤ 100 MM BTU/hour	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.332(d)	Paragraph (a)(2) applies to turbines with rated base load of: ≤ 30 MWatts	Y	
60.333	Standard for Sulfur Dioxide	Y	
60.333(a)	SO_2 emission standard	Y	
60.333(b)	Fuel sulfur limit	Y	
60.334	Monitoring Requirements	Y	
60.334(~~b~~**a**)	Fuel consumption and water **or steam** to fuel ratio (applies only when a turbine is using a fogging system, A-6 or A-7, to control NOx emissions)	Y	
~~60.334(b)~~	~~For fuel sulfur and nitrogen content~~	~~Y~~	
~~60.334(b)(2)~~	~~fuel monitoring requirements for fuel supplied without intermediate bulk storage (including custom schedule procedures)~~	~~Y~~	
~~60.334(c)~~	~~Excess emissions requiring reports~~	~~Y~~	
~~60.334(c)(2)~~	~~for fuel sulfur content~~	~~Y~~	
60.334(g)	**Steam or water to fuel ratio shall be monitored during performance tests to establish acceptable values and ranges. Develop and keep on-site a parameter monitoring plan.**	**Y**	
60.334(h)(1)	**fuel sulfur content**	**Y**	
60.334(h)(2)	**exemption from fuel nitrogen content monitoring**	**Y**	
60.334(h)(4)	**continue monitoring according to EPA-approved custom fuel sulfur content monitoring schedule or comply with 60.334(i)(3)(i)(A-D)**	**Y**	
60.334(i)(3)	**custom schedules for gaseous fuels**	**Y**	
60.334(i)(3)(i)	**sulfur content monitoring schedules**	**Y**	
60.334(i)(3)(i)(A)	**daily total sulfur content for 30 consecutive days**	**Y**	
60.334(i)(3)(i)(B)	**if all daily measurements are less than 4000 ppmw, monitor at 12 month intervals and comply with 60.334(i)(3)(C or D) if any measurements exceed 4000 ppmw**	**Y**	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.334(i)(3)(i)(C)	**if measurements are between 4000-8000 ppmw, monitor at 30 day intervals for 3 months, then 6 month intervals for 12 months, and then 12 month intervals and comply with 60.334(i)(3)(D) if any measurements exceed 8000 ppmw**	**Y**	
60.334(i)(3)(i)(D)	**immediately return to daily sulfur content monitoring**	**Y**	
60.334(j)	**report any excess of a monitored parameter and all monitor down time (which begins when a sample is not taken by the due date) pursuant to 60.7(c)**	**Y**	
60.334(j)(1)	**for nitrogen oxides, report excess of water/steam to fuel ratio (applies only when a turbine is using a fogging system, A-6 or A-7, to control NOx emissions)**	**Y**	
60.334(j)(2)	**for sulfur dioxide, report excess of fuel sulfur content limit**	**Y**	
60.334(j)(5)	**due dates for excess reports**	**Y**	
60.335	Test Methods and Procedures	Y	
60.335(a)	~~Accuracy for NO_x emission determinations~~**Performance test requiremetns**	Y	
60.335(b)	Acceptable reference methods~~, and~~ procedures**, and corrections**	Y	
60.335(c)	~~Procedures for determining compliance with NO_x and SO_2 standards~~**Alternative to reference methods and procedures**	Y	
~~60.335(c)(1)~~	~~procedure for NO_x standard~~	~~Y~~	
~~60.335(c)(3)~~	~~use Method 20 for NO_x, SO_2, and O_2 concentrations in exhaust~~	~~Y~~	
60.335(d)	Analysis methods for measuring fuel sulfur content in gaseous fuels	Y	
60.335(e)	Use appropriate methods when monitoring fuel sulfur content	Y	
40 CFR Part 62	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (6/9/03)**		
62.1100	Identification of Plan	Y	
62.1115	Identification of Sources	Y	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/94)**		

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A-7 FOGGING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.4	Prohibited activities and circumvention	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63, Subpart AAAA	**National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (1/16/03)**		
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	
63.1955(c)	Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6 month compliance reporting requirements	Y	
63.1960	How is compliance determined?	Y	
63.1965	What is a deviation?	Y	
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	
63.1980	What records and reports must I keep and submit?	Y	
63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months	Y	
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-Specific Applicable Requirements
S-6 GAS TURBINE
S-7 GAS TURBINE
A-6 FOGGING SYSTEM
A-7 FOGGING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 18773			
Part 1	NOx emission limit (~~Regulation 9-9-301.1~~**Cumulative Increase and Regulation 2-1-301**)	Y	
Part 2	CO emission limit (~~Regulation~~ Cumulative Increase **and Regulation 2-1-301**)	Y	
Part 3	~~NMOC emission limit (Regulation 8-34-301.4)~~**Deleted**	~~Y~~	
Part 4	Operating criteria for A-6 and A-7 Fogging Systems (Regulation 2-1-301)	Y	
Part 5	Record keeping requirements for turbines and fogging systems (Regulations 2-1-301, 8-34-113, 8-34-301.1, and 8-34-501.2)	Y	
Part 6	Control requirements for collected landfill gas (Regulations 8-34-301 and 8-34-301.1)	Y	
Part 7	Records requirements when a turbine is shut-down (Regulations 8-34-113 and 8-34-501.2)	Y	
Part 8	**Heat Input Limits (Cumulative Increase and Regulation 2-1-301)**	**Y**	
Part 9	Combustion Chamber Discharge Temperature Limits and Temperature Monitor and Recorder Requirements (Regulations 8-34-301.4, 8-34-501.11, and 8-34-509)	Y	
Part 10	**Fuel Sulfur Content Limit and** Custom Fuel Sulfur Content Monitoring Schedule (**BACT,** Regulation 9-1-302 and 40 CFR 60.333(a-b) and 60.334(~~b~~**h**)(~~2~~**4**))	Y	
Part 11	Annual Source Test Requirement (Cumulative Increase; Regulations 2-1-301, 8-34-301.4, 8-34-412, 8-34-509, and 9-9-301.1; and 40 CFR 60.8, 60.332(a)(2)~~,~~ **and** 60.33~~3(a)~~**5**)	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.

IV. Source-Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-19 TRANSFER TANK WITH SIPHON PUMP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds – Wastewater (Oil-Water) Separators (8/29/94)**		
8-8-301	Waste Water Separators Greater than 760 Liters Per Day and Smaller than 18.9 liters per second	Y	
8-8-301.1	Equipment and Inspection Requirements for Fixed Cover Separators	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-503	Inspection and Repair Records	Y	
BAAQMD Condition # 20774			
Part 1	Throughput Limit (Cumulative Increase)	Y	
Part 2	Flow Meter Requirement (Cumulative Increase)	Y	
Part 3	Waste Material Throughput Limit for Siphon Pump (Cumulative Increase)	Y	
Part 4	Record Keeping Requirements (Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP 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 No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (10/6/99)**		
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	Record keeping Requirement	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.4	Limits for Other Emission Control Systems	Y	
8-34-412	Compliance Demonstration Tests	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-413	Performance Test Report	Y	
8-34-501	Operating Records	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.11	Records of Key Emission Control System Operating Parameters	Y	
8-34-501.12	Records Retention for 5 Years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-508	Gas Flow Meter	Y	
8-34-509	Key emission control system operating parameters	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	
BAAQMD Regulation 9 Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/01)**		
9-8-302	Emission Limits – Waste Derived Fuel Gas	Y	
9-8-302.1	Lean-Burn Engines: NOx Emission Limit	Y	
9-8-302.3	CO Emission Limit	Y	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (5/4/98)**		
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operation before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 60, Subpart Cc	**Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/99)**		
60.36c(a)	Collection and Control Systems in Compliance by 30 months After Initial NMOC Emission Rate Report Shows NMOC Emissions $\geq$ 50 MG/year	Y	
40 CFR Part 62	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (6/9/03)**		
62.1100	Identification of Plan	Y	
62.1115	Identification of Sources	Y	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/94)**		
63.4	Prohibited activities and circumvention	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63, Subpart AAAA	**National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (1/16/03)**		
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	
63.1955(c)	Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6 month compliance reporting requirements	Y	
63.1960	How is compliance determined?	Y	
63.1965	What is a deviation?	Y	
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	
63.1980	What records and reports must I keep and submit?	Y	
63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months	Y	
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports	Y	
BAAQMD Condition # 19237			
Part 1	Fuel Restrictions (Cumulative Increase)	Y	
Part 2	Heat Input Limits (Offsets and Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 3	Flow Meter Requirement (Cumulative Increase and Regulation 8-34-508)	Y	
Part 4	Heat Input Calculation Procedure (Offsets and Cumulative Increase)	Y	
Part 5	Continuous Operation Requirement and Landfill Gas Control Requirements (Offsets, Cumulative Increase, Toxic Risk Management Policy, and Regulation 8-34-301)	Y	
Part 6	NOx Emission Limits (BACT and Offsets)	Y	
Part 7	CO Emission Limits (BACT and Cumulative Increase)	Y	
Part 8	NMOC Emission Limits (BACT, Offsets, and Regulation 8-34-301.4)	Y	
Part 9	CO Concentration Limit and CO and O_2 Monitoring Requirements for Engine Exhaust (BACT and Regulations 8-34-301.4, 8-34-501.11, 8-34-509)	Y	
Part 10	Annual Source Test Requirements (Offsets, Offsets, Cumulative Increase, Toxic Risk Management Policy, and Regulations 8-34-301.4, 8-34-412, 9-8-302.1, and 9-8-302.3)	Y	
Part 11	Record Keeping Requirements (Offsets and Cumulative Increase)	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.

IV. Source-Specific Applicable Requirements

Table IV – E
Source-Specific Applicable Requirements
S-25 LIQUEFIED NATURAL GAS PLANT
S-26 LIQUEFIED NATURAL GAS PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (10/6/1999)**		Upon Start-Up of S-25 or S-26
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	
8-34-113.3	Record keeping Requirement	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.4	Limits for Other Emission Control Systems	Y	
8-34-412	Compliance Demonstration Tests	Y	
8-34-413	Performance Test Report	Y	
8-34-501	Operating Records	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.11	Records of Key Emission Control System Operating Parameters	Y	
8-34-501.12	Records Retention for 5 Years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-508	Gas Flow Meter	Y	
8-34-509	Key emission control system operating parameters	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		Upon Start-Up of S-25 or S-26
9-2-301	Limitations on Hydrogen Sulfide	N	

IV. Source-Specific Applicable Requirements

Table IV – E
Source-Specific Applicable Requirements
S-25 LIQUEFIED NATURAL GAS PLANT
S-26 LIQUEFIED NATURAL GAS PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (5/4/98)**		Upon Start-Up of S-25 or S-26
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operation before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 60, Subpart Cc	**Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/99)**		Upon Start-Up of S-25 or S-26
60.36c(a)	Collection and Control Systems in Compliance by 30 months After Initial NMOC Emission Rate Report Shows NMOC Emissions ≥ 50 MG/year	Y	
40 CFR Part 62	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (6/9/03)**		Upon Start-Up of S-25 or S-26
62.1100	Identification of Plan	Y	
62.1115	Identification of Sources	Y	

IV. Source-Specific Applicable Requirements

Table IV – E
Source-Specific Applicable Requirements
S-25 LIQUEFIED NATURAL GAS PLANT
S-26 LIQUEFIED NATURAL GAS PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart A	National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/94)		Upon Start-Up of S-25 or S-26
63.4	Prohibited activities and circumvention	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63, Subpart AAAA	National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (1/16/03)		Upon Start-Up of S-25 or S-26
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	
63.1955(c)	Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6-month compliance reporting requirements	Y	
63.1960	How is compliance determined?	Y	
63.1965	What is a deviation?	Y	
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	
63.1980	What records and reports must I keep and submit?	Y	

IV. Source-Specific Applicable Requirements

Table IV – E
Source-Specific Applicable Requirements
S-25 LIQUEFIED NATURAL GAS PLANT
S-26 LIQUEFIED NATURAL GAS PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months	Y	
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports	Y	
BAAQMD Condition # 19238			Upon Start-Up of S-25 or S-26
Part 1	Production Rate Limits (Regulation 2-1-301)	Y	
Part 2	NMOC Emission Limit on CO_2 Exhaust Stream (Cumulative Increase)	Y	
Part 3	Control Requirements for Exhaust Stream from Carbon Bed Regeneration Equipment (Cumulative Increase and Toxic Risk Management Policy)	Y	
Part 4	Production Rate Records (Regulation 2-1-301)	Y	
Part 5	Source Test Requirements for CO_2 Exhaust Stream (Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~F~~E
Source-Specific Applicable Requirements
S-99 NON-RETAIL GASOLINE DISPENSING FACILITY G # 7123

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/02)**		
8-5-301	Storage Tank Control Requirements	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-501	Records	Y	
8-5-501.1	Types and amounts of materials stored	Y	
BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (11/6/02)**		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirements 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 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	
8-7-301.12	Spill Box Drain Valve Limitation	Y	
8-7-301.13	Annual Vapor Tightness Test Requirement	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-302.6	Requirements for Bellows Nozzles	Y	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~F~~E
Source-Specific Applicable Requirements
S-99 NON-RETAIL GASOLINE DISPENSING FACILITY G # 7123

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.9	Coaxial Hose Requirement	Y	
8-7-302.10	Construction Materials Specifications	Y	
8-7-302.12	Liquid Retain Limitation	Y	
8-7-302.13	Nozzle Spitting Limitation	Y	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	Y	
8-7-313	Requirements for New or Modified Phase II Installations	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	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	Y	
BAAQMD Condition # 20813			
Part 1	Gasoline Throughput Limit (Offsets)	Y	
Part 2	Record Keeping Requirements (Offsets and Regulations 2-6-501 and 2-6-503)	Y	
BAAQMD Condition # 16516	Annual Leak Test (Regulation 8-7-407)	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~F~~E
Source-Specific Applicable Requirements
S-99 NON-RETAIL GASOLINE DISPENSING FACILITY G # 7123

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
State of California, Air Resources Board, Executive Order G-70-116-F	**Certification of ConVault, Inc. Aboveground Filling/Dispensing Vapor Recovery System (11/30/95)**		
Paragraph 9	Tank Design Configuration Limitations	N	
Paragraph 10	Emergency Vent and Manway Requirement	N	
Paragraph 11	Requirement to Use ARB Certified Phase I and Phase II Systems	N	
Paragraph 12	Requirements for Phase I Components and Piping Configurations	N	
Paragraph 13	Requirements for the Routing of the Coaxial Hose and for Liquid Traps	N	
Paragraph 14	P/V Valve Requirements	N	
Paragraph 15	Tank Insulation Requirements	N	
Paragraph 16	Tank Exterior Surface Requirements	N	
Paragraph 17	Requirement to Comply with Local Air District Rules	N	
Paragraph 18	Requirements for Deliveries from a Cargo Truck	N	
Paragraph 19	Leak Checking Requirements	N	
Paragraph 20	Requirement to Comply with Local Fire Official's Requirements	N	
Paragraph 21	Requirement to Comply with Other Specified Rules and Regulations	N	
Paragraph 22	Prohibition on Alteration of Equipment, Parts, Design, or Operation	N	
Paragraph 23	This Order Supersedes EO G-70-116-E (4/1/95)	N	

IV. Source-Specific Applicable Requirements

Table IV – ~~GF~~
Source-Specific Applicable Requirements
S-140 SBR 1, AERATED BIOLOGICAL REACTOR
S-141 SBR 2, AERATED BIOLOGICAL REACTOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (3/22/95)**	Y	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition # 20922			
Part 1	Daily Wastewater Throughput and Organic Content Limits (Cumulative Increase)	Y	
Part 2	Annual Wastewater Throughput and Organic Content Limits (Cumulative Increase)	Y	
Part 3	Permit Requirements If Wastewater Contains Specified Compounds above the Indicated Concentration Limits (Toxic Risk Management Policy)	N	
Part 4	Wastewater Testing Requirements (Cumulative Increase and Toxic Risk Management Policy	Y	
Part 5	Record Keeping Requirements (Cumulative Increase and Toxic Risk Management Policy)	Y	
Part 6	Permit Condition Effective Date (Regulation 2-1-403)	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~H~~G
Source-Specific Applicable Requirements
S-190 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT WWTP)

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	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	
6-305	Visible Particles	Y	
6-310	Particle 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	Liquid and Solid Fuels	Y	
BAAQMD Regulation 9 Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	For Emergency Use	N	
9-8-330.2	For Reliability-Related Activities	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of Operation (total)	N	
9-8-530.2	Hours of Operation (emergency)	N	
9-8-530.3	Nature of Each Emergency Condition	N	
BAAQMD Condition # 20800			
Part 1	Operating restrictions (Regulation 9-8-330)	N	
Part 2	Meter Requirements (Regulation 9-8-530)	N	
Part 3	Records (Regulations 9-1-304 and 9-8-530)	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~I~~H
Source-Specific Applicable Requirements
S-191 DIESEL ENGINE (FOR PRIMARY WATER PUMP)
S-192 DIESEL ENGINE (FOR BOOSTER WATER PUMP)
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)
S-197 DIESEL ENGINE (FOR PORTABLE GENERATOR AT BREAK TRAILER)
S-198 DIESEL ENGINE (FOR VACUUM TRUCK PUMP)

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	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	
6-305	Visible Particles	Y	
6-310	Particle 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	Liquid and Solid Fuels	Y	
BAAQMD Condition # 20801			
Part 1	Fuel Usage Limits (Regulation 2-1-301)	Y	
Part 2	Record Keeping Requirements (Regulations 2-1-301 and 9-1-304)	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~JI~~
Source-Specific Applicable Requirements
S-194 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT FLARE STATION)
S-195 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT MAINTENANCE FACILITY)
S-196 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT SCALE HOUSE)

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	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	
6-305	Visible Particles	Y	
6-310	Particle 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	Liquid and Solid Fuels	Y	
BAAQMD Regulation 9 Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	For Emergency Use	N	
9-8-330.2	For Reliability-Related Activities	N	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of Operation (total)	N	
9-8-530.2	Hours of Operation (emergency)	N	
9-8-530.3	Nature of Each Emergency Condition	N	
BAAQMD Condition # 20812			
Part 1	Operating restrictions (Regulation 9-8-330)	N	
Part 2	Meter Requirements (Regulation 9-8-530)	N	
Part 3	Records (Regulations 9-1-304 and 9-8-530)	Y	

V. SCHEDULE OF COMPLIANCE

~~A. STANDARD SCHEDULE OF COMPLIANCE~~

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

~~B. CUSTOM SCHEDULE OF COMPLIANCE~~

~~The permit holder is currently not complying with 40 CFR 60.334(b)(2), which requires daily analysis of the fuel supply to the S-6 and S-7 Gas Turbines for nitrogen content, unless EPA has approved a custom nitrogen content monitoring schedule. However, this NSPS regulation (40 CFR Part 60, Subpart GG) does not have an EPA approved test method for monitoring the nitrogen content in gaseous fuels such as landfill gas. The permit holder must obtain EPA approval for any proposed test methods before the required testing can begin. The permit holder has submitted a request for a custom nitrogen content monitoring schedule to EPA, but has not yet received EPA approval for this custom monitoring schedule or for an appropriate test method. Therefore, the District is imposing the following Schedule of Compliance.~~

~~1. Within 30 days of the issuance of the MFR Permit, the Permit Holder shall submit a request to EPA that identifies a proposed test method for determining the nitrogen content in the fuel supply (landfill gas) for the S-6 and S-7 Gas Turbines and requests EPA approval of this test method.~~

~~2. The Permit Holder shall submit any additional information requested by EPA, pursuant to the above request for EPA approval of a test method, in the time period specified by EPA.~~

~~3. Within 30 days of receiving EPA approval of a test method, the Permit Holder shall begin complying with the nitrogen content monitoring requirements of 40 CFR 60.334(b)(2).~~

~~4. In addition to the semi-annual compliance and monitoring reports that are required by Section I.F of this permit, the Permit Holder shall submit semi-annual reports to the District's Compliance and Enforcement Division that discuss the progress the permit holder has made with respect to each of the above milestones (Sections V.B.1-3 above). These progress reports shall contain copies of all written correspondence on this issue between the permit holder and EPA during the reporting period and shall contain a summary of all testing completed pursuant to 40 CFR 60.334(b)(2) during the reporting period. The reporting period dates and report submittal due dates shall be the same as those identified in~~

V. Schedule of Compliance

~~Section I.F of this permit.~~

~~5. This Schedule of Compliance shall remain in effect until the permit holder has attained compliance with 40 CFR 60.334(b)(2) and has submitted at least one progress report pursuant to Section V.B.4 above.~~

VI. PERMIT CONDITIONS

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

Condition # 16516
FOR: S-99 NON-RETAIL GASOLINE DISPENSING FACILITY G # 7123

The Static Pressure Performance Test (Leak Test) ST-38 shall be successfully conducted at least once in each twelve consecutive month period after the date of successful completion of the startup Static Pressure Performance Test. Test results shall be submitted to BAAQMD within 20 days of the test date. (Basis: Regulation 8-7-407)

Condition # 18773
FOR: S-6 GAS TURBINE WITH A-6 FOGGING SYSTEM AND
FOR: S-7 GAS TURBINE WITH A-7 FOGGING SYSTEM

1. Nitrogen oxide (NO_x) emissions from each Gas Turbine (S-6 and S-7) shall not exceed ~~42 ppmv of NO_x, corrected to 15% oxygen, dry basis~~**0.1567 pounds of NO_x (calculated as NO_2) per MM BTU**.
(Basis: ~~Regulation 9-9-301.1~~**Cumulative Increase and Regulation 2-1-301**)

2. Carbon Monoxide (CO) emissions from each Gas Turbine (S-6 and S-7) shall not exceed ~~128 ppmv of CO, corrected to 15% oxygen, dry basis~~**0.2229 pounds of CO per MM BTU**.
(Basis: Cumulative Increase **and Regulation 2-1-301**)

3. ~~Non-methane organic compound (NMOC) emissions shall not exceed 120 ppmv of NMOC, expressed as methane, corrected to 3% oxygen, dry basis, which is equivalent to 40 ppmv of NMOC, expressed as methane, corrected to 15% oxygen, dry basis. (Basis: Regulation 8-34-301.4)~~**Deleted**

4. Each Gas Turbine is equipped with a Fogging System (A-6 or A-7). The A-6 and A-7 Fogging Systems are not required for compliance and may be operated or not operated at the discretion of the Permit Holder. (Basis: Regulation 2-1-301)

5. A District-approved logbook shall be maintained on the number of days each Gas Turbine is operated and the days when each Fogging System is operated.
(Basis: Regulation 2-1-301, 8-34-113, 8-34-301.1, and 8-34-501.2)

VI. Permit Conditions

Condition # 18773
FOR: S-6 GAS TURBINE WITH A-6 FOGGING SYSTEM AND
FOR: S-7 GAS TURBINE WITH A-7 FOGGING SYSTEM

6. In the event of a Gas Turbine shutdown, all landfill gas normally fired by the non-operating Gas Turbine(s) shall be diverted to one or more of the other approved landfill gas control devices for this facility unless the requirements of Regulation 8-34-113 are being followed. Raw landfill gas shall not be vented to the atmosphere, except for unavoidable landfill gas emissions that occur during control system installation, maintenance, or repair that is performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118 and for inadvertent component leaks that do not exceed the limits specified in 8-34-301.2. (Basis: Regulations 8-34-113, 8-34-301 and 8-34-301.1)

7. The time between the Gas Turbine shut-down and the start-up of the alternative control device(s) shall be included in calculating the shutdown exemption under Regulation 8-34-113. (Basis: Regulations 8-34-113 and 8-34-501.2)

8. ~~[reserved for future use]~~ **The heat input to each Gas Turbine (S-6 and S-7) shall not exceed 1378 MM BTU during any day. The combined heat input to both Gas Turbines (S-6 and S-7) shall not exceed 838,480 MM BTU during any consecutive 12-month period. To demonstrate compliance with this part, the Permit Holder shall maintain the following records in a District-approved logbook:**
   a. Continuously monitor and record the landfill gas flow rate to the turbines in accordance with Regulations 8-34-508 and 8-34-501.10.
   b. On a daily basis, measure and record the methane concentration, temperature, and pressure of the landfill gas at the landfill gas flow rate monitor.
   c. On a daily basis, measure and record the operating rate and operating time for each turbine.
   d. On a monthly basis, calculate and record the maximum daily heat input rate to each gas turbine and the total annual heat input rate (for the previous 12 consecutive months) to both gas turbines using the above records, the heat content (HHV) for methane of 1013 BTU/scf at 60 degrees F, and District-approved calculation procedures.

All records shall be maintained on site or shall be made readily available to District staff upon request for a period of at least 5 years from the date of entry. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations.
(Basis: Cumulative Increase and Regulation 2-1-301)

VI. Permit Conditions

Condition # 18773
FOR: S-6 GAS TURBINE WITH A-6 FOGGING SYSTEM AND
FOR: S-7 GAS TURBINE WITH A-7 FOGGING SYSTEM

9. The combustion chamber discharge temperature for each Gas Turbine shall be maintained between ~~1120~~**855** and 1220 degrees Fahrenheit, averaged over any 3-hour period. If a source test demonstrates compliance with all applicable requirements at different minimum or maximum temperatures, the APCO may revise these temperature limits, in accordance with the procedures identified in Regulation 2-6-414 or 2-6-415, based on the following criteria. The minimum combustion chamber discharge temperature for S-6 and S-7 shall be equal to the average combustion chamber discharge temperature measured during a complying source test (NMHC and CO emission limits were met) minus 50 degrees F. The maximum combustion chamber discharge temperature for S-6 and S-7 shall be equal to the average combustion chamber discharge temperature measured during a complying source test (NOx emission limit was met) plus 50 degrees F. To demonstrate compliance with these temperature limits and Regulations 8-34-501.11 and 509, each Gas Turbine shall be equipped with a continuous temperature monitor and recorder, which will accurately measure the combustion chamber discharge temperature for each Gas Turbine.
(Basis: Regulations 8-34-301.4, 8-34-501.11 and 8-34-509)

10. **The concentration of total reduced sulfur (TRS) compounds in the landfill gas fuel for S-6 and S-7 shall not exceed 150 ppmv of TRS, expressed as H_2S.** In order to demonstrate compliance with **this part and** 40 CFR 60.333(b), 60.334(~~b~~**h**)(~~2~~**4**), and the custom fuel sulfur monitoring schedule approved by EPA on July 6, 1994, the Permit Holder shall measure and record the sulfur content of the landfill gas on a monthly basis in accordance with 40 CFR 60.335(d) **and during the annual performance test in accordance with 40 CFR 60.335(b)(10)**. This fuel sulfur data shall also be used as a surrogate for demonstrating compliance with the sulfur dioxide emission limits in Regulation 9-1-302 and 40 CFR 60.333(a).
(Basis: **BACT,** Regulation 9-1-302 and 40 CFR 60.333(a-b) and 60.334(~~b~~**h**)(~~2~~**4**))

11. In order to demonstrate compliance with Regulations 8-34-301.4, 8-34-412, 8-34-509, and 9-9-301.1; Parts 1, 2, ~~3,~~ and 8 above; and 40 CFR 60.332(a)(2)~~ and 60.333(a)~~; the Permit Holder shall ensure that a District approved source test is conducted annually on each Gas Turbine (S-6 and S-7). **The annual source test shall be conducted at the four loads (30%, 50%, 75%, and 90%-100% of full load, ± 5%) specified in 40 CFR 60.335(b)(2).** The annual source test shall determine the following **(for each test load)**:

VI. Permit Conditions

Condition # 18773
FOR: S-6 GAS TURBINE WITH A-6 FOGGING SYSTEM AND
FOR: S-7 GAS TURBINE WITH A-7 FOGGING SYSTEM

a. landfill gas flow rate to each gas turbine (dry basis);
b. concentrations (dry basis) of carbon dioxide (CO_2), nitrogen (N_2), oxygen (O_2), methane (CH_4), and total non-methane organic compounds (NMOC) in the landfill gas;
c. stack gas flow rate from each gas turbine (dry basis);
d. concentrations (dry basis) of NO_x, CO, NMOC, and O_2 in the stack gas;
e. NMOC destruction efficiency achieved by each turbine; ~~and~~
f. average temperature in the combustion chamber discharge of each gas turbine during the test period~~.~~**;**
g. emission rates in pounds per MM BTU of NO_x (calculated as NO_2) and CO; and
h. mean NO_x concentration corrected to 15% O_2 and ISO standard ambient conditions using the correction equation in 40 CFR 60.335(b)(1).

Each annual source test shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 60 days of the test date.
(Basis: Cumulative Increase, Regulations 2-1-301, 8-34-301.4, 8-34-412, 8-34-509, and 9-9-301.1, and 40 CFR 60.8, 60.332(a)(2) and 60.33~~3(a)~~**5**)

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

1. The S-2 Altamont Landfill shall be equipped with a landfill gas collection system, which shall be operated continuously as defined in Regulation 8-34-219. Wells, collectors, and adjustment valves shall not be disconnected, removed, or completely closed, without prior written authorization from the District, unless the Permit Holder complies with all applicable provisions of Regulation 8, Rule 34, Sections 113, 116, 117, and 118.
   a. The Permit Holder has been issued a Permit to Operate for the landfill gas collection system components listed below. Well and collector locations, depths, and lengths are as described in detail in Permit Application # 7363. The Permit Holder shall apply for and receive an Authority to Construct before modifying the landfill gas collection system described below. Increasing or decreasing the number of vertical wells, changing the length of horizontal collectors, or moving the locations of vertical wells or horizontal collectors are considered modifications that are subject to the Authority to Construct requirement. Adding or modifying risers, laterals, or header pipes are not subject to this Authority to Construct requirement.
      - 44 vertical wells (excluding wells that will be decommissioned per Part 1b)
      - 14 horizontal trench collectors (shredded tires may be used as fill material)
      - 3 combination collectors (with both horizontal and vertical sections of perforated pipe)
      - 2 leachate collection system clean-out risers
   b. The Permit Holder has been issued an Authority to Construct for the landfill gas collection system modifications described below. Well and collector locations, depths, and lengths are as described in detail in Permit Application # 7363.
      - Install 36 vertical wells. (As of 5/22/03, 23 wells are installed but are not operational. These 23 wells will be added to Part 1a upon receipt of the start-up notification for the new wells.)
      - Decommission 40 vertical wells (these changes are reflected in Part 1a).
      - Install 10 horizontal trench collectors.
      - Interconnect 10 horizontal collectors with existing tire trench collectors (these changes are reflected in Part 1a).

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

- Install header valves, risers, and connections between existing horizontal collectors, as needed, to optimize gas collection and maintain compliance with Regulation 8, Rule 34.
- Modify wellhead monitoring locations, as needed, provided that each landfill gas collection system component identified in Part 1a and each new collection system component installed per Part 1b is adequately represented by a wellhead monitoring location. The Permit Holder shall maintain documentation on site that identifies all landfill gas collection system components that are represented by each wellhead monitoring location.

(Basis: Regulations 8-34-301.1, 8-34-303, 8-34-304, and 8-34-305)

2. All collected landfill gas shall be vented to properly operating landfill gas control equipment as described below in Part 2a. Raw landfill gas shall not be vented to the atmosphere, except for unavoidable landfill gas emissions that occur during collection system installation, maintenance, or repair that is performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118 and for inadvertent component or surface leaks that do not exceed the limits specified in 8-34-301.2 or 8-34-303.

   a. The Permit Holder may operate any combination of landfill gas control devices, including: A-15 Landfill Gas Flare, S-6 Gas Turbine, S-7 Gas Turbine, S-23 Internal Combustion Engine, **or** S-24 Internal Combustion Engine~~, S-25 Liquefied Natural Gas Plant, and S-26 Liquefied Natural Gas Plant~~; **or may send landfill gas to another facility for additional processing and control;** provided that adequate landfill gas control**/removal** capacity is available at all times to ~~control~~ **achieve** the target landfill gas collection rate of 2381 scfm. Any time period that the total landfill gas flow rate to all control devices **and off-site pipelines** (measured pursuant to Regulation 8-34-508) is less than the target landfill gas collection rate shall be deemed a violation of 8-34-301.1, unless the Permit Holder is complying with the requirements of Regulations 8-34-113, 8-34-116, 8-34-117, or 8-34-118 during this time period.

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

b. In order to determine the target landfill gas collection rate, the Permit Holder shall measure and record (in accordance with Regulation 8-34-508) the total landfill gas flow rate to all control devices **and off-site pipelines** during each landfill surface monitoring event (conducted in accordance with Regulation 8-34-506). The Permit Holder shall determine the average landfill gas flow rate (in scfm) for each surface monitoring event by dividing the total measured flow rate (in cubic feet) by the time required to conduct the surface monitoring test and correcting to a temperature of 68 degrees F and a pressure of 1 atmosphere. This average landfill gas flow rate shall become the target landfill gas collection rate, if the measured surface emission leaks comply with the limit in Regulation 8-34-303. A new target landfill gas collection rate may be established based on any complying surface monitoring event and shall be updated at least once per year until waste acceptance at the landfill ceases. After issuance of the MFR Permit, the target landfill gas collection rate shall be revised in accordance with the procedures identified in Regulations 2-6-414 or 2-6-415.

(Basis: Regulations 8-34-301 and 8-34-303)

3. The A-15 Landfill Gas Flare shall be fired on landfill gas. Propane may be used as a start-up fuel only. Landfill gas condensate may be injected into A-15, provided that the condensate injection rate does not exceed 3600 gallons during any day and A-15 complies with all limits in Parts 4-10 and any other applicable emission limits during all times that condensate is being injected into A-15.
(Basis: Regulation 2-1-301)

4. The Heat Input to the A-15 Landfill Gas Flare shall not exceed 1704 million BTU per day and shall not exceed 621,785 million BTU per year.
(Basis: Offsets and Cumulative Increase)

5. The Landfill Gas Flare (A-15) shall be equipped with both local and remote alarm systems. The local and remote alarms shall be activated whenever the total landfill gas collection for the site is less than the target landfill gas collection rate in Part 2a. When operation of A-15 is necessary to meet the target landfill gas collection rate, the local and remote alarms shall be activated if the flare shuts down unexpectedly or if the combustion zone temperature is less than the minimum temperature required by Part 10 below. (Basis: Regulation 8-34-301)

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

6. The Landfill Gas Flare (A-15) shall be equipped with one flow meter and one recorder meeting the requirements of Regulation 8-34-508.
(Basis: Offsets, Cumulative Increase, and Regulations 2-1-301, 8-34-301, 8-34-501.10, and 8-34-508)

7. Nitrogen oxide (NO_x) emissions from the A-15 Landfill Gas Flare shall not exceed either:
   a. an exhaust concentration of 44 ppmv of NO_x, corrected to 3% oxygen, dry basis; or
   b. an emission rate of 0.06 pounds of NO_x (calculated as NO_2) per million BTU.
(Basis: RACT and Offsets)

8. Carbon monoxide (CO) emissions from the A-15 Landfill Gas Flare shall not exceed either:
   a. an exhaust concentration of 361 ppmv of CO, corrected to 3% oxygen, dry basis; or
   b. an emission rate of 0.30 pounds of CO per million BTU.
(Basis: RACT and Cumulative Increase)

9. The Landfill Gas Flare (A-15) shall comply with either the destruction efficiency or outlet concentration limit specified in Regulation 8-34-301.3.
(Basis: Offsets, Cumulative Increase, and Regulation 8-34-301.3)

10. The combustion zone temperature of the Landfill Gas Flare (A-15) shall be maintained at a minimum of 1400 degrees Fahrenheit, averaged over any 3-hour period. If a source test demonstrates compliance with all applicable requirements at a different temperature the APCO will revise the minimum combustion zone temperature limit in accordance with the procedures identified in Regulations 2-6-414 or 2-6-415 and the following criteria. The minimum combustion zone temperature for a flare (T_{min}) shall be equal to the average combustion zone temperature determined during the most recent complying source test (T_{avg}) minus 50 degrees F, provided that the minimum combustion zone temperature is not less than 1400 degrees F:
    $T_{min} = T_{avg} - 50$, for $T_{avg} >= 1450$ degrees F
    $T_{min} = 1400$, for $T_{avg} < 1450$ degrees F

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

(Basis: RACT, Offsets, Cumulative Increase, Toxic Risk Management Policy, and Regulation 8-34-301.3)

11. The concentration of total reduced sulfur compounds in the collected landfill gas shall not exceed 200 ppmv (dry) expressed as hydrogen sulfide (H_2S). In order to demonstrate compliance with this part, the Permit Holder shall measure the total sulfur content in collected landfill gas in accordance with the monitoring schedule identified in Condition # 18773, Part 10. The landfill gas sample shall be taken from the main landfill gas header.
(Basis: Regulation 9-1-302 and Cumulative Increase)

*12. The Permit Holder shall submit a permit application for a Change of Permit Conditions, if any site-specific landfill gas characterization test indicates that the landfill gas at this site contains any of the following compounds at a level greater than the concentration listed below. The Permit Application shall be submitted to the Permit Services Division, within 45 days of receipt of test results indicating a concentration above the levels listed below.

Compound	Concentration (ppbv)
Acrylonitrile	500
Benzene	2200
Benzylchloride	100
1,4 Dichlorobenzene	1100
Ethylene Dibromide	100
Ethylene Dichloride	150
Ethylidene Dichloride	1200
Methylene Chloride	2500
Perchloroethylene	2400
1,1,2,2 Tetrachloroethane	100
Trichloroethylene	1400
Vinyl Chloride	1100

(Basis: Toxic Risk Management Policy)

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

13. In order to demonstrate compliance with Regulation 8, Rule 34, Sections 301.3 and 412 and Parts 7 through 12 above, the Permit Holder shall ensure that a District approved source test is conducted annually on the A-15 Landfill Gas Flare. The annual source tests shall be conducted while the flare is operating at or near maximum operating rates and for each of the following operating conditions: (a) while the flare in burning landfill gas without any condensate injection and (b) while the flare is burning landfill gas and condensate is being injected into the flare at or near the maximum injection rate of 2.5 gallons/minute. Each source test shall determine the following:
    a. landfill gas flow rate to the flare (dry basis);
    b. concentrations (dry basis) of carbon dioxide (CO_2), nitrogen (N_2), oxygen (O_2), total hydrocarbons (THC), methane (CH_4), and total non-methane organic compounds (NMOC) in the landfill gas;
    c. stack gas flow rate from the flare (dry basis);
    d. concentrations (dry basis) of NO_x, CO, NMOC, and O_2 in the flare stack gas;
    e. NMOC destruction efficiency achieved by the flare; and
    f. average combustion zone temperature of the flare during the test period.

    The first annual source test for the A-15 Landfill Gas Flare shall be conducted within 120 days of the initial start up date for A-15. Testing of A-15 while condensate is being injected is not required until the first annual source test that is scheduled to occur after the date that condensate injection commences. Subsequent annual source tests shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. Testing of A-15 while condensate is being injected is not required, if condensate was not injected into the flare during any of the 12 consecutive months prior to the source test date. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 60 days of the test date. (Basis: RACT, Offsets, Cumulative Increase, Toxic Risk Management Policy, and Regulations 8-34-301.3 and 8-34-412)

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

14. The Permit Holder shall conduct a characterization of the landfill gas concurrent with the annual source test required by Part 13 above. The landfill gas sample shall be drawn from the main landfill gas header. In addition to the compounds listed in Part 13b, the landfill gas shall be analyzed for the organic compounds listed below, except that acrylonitrile testing shall be conducted once every four years instead of annually. All concentrations shall be reported on a dry basis. The test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 60 days of the test date. (Basis: Toxic Risk Management Policy, Cumulative Increase, and Regulation 8-34-412)

Organic Compounds	Organic Compounds
acrylonitrile	ethylbenzene
benzene	ethylene dibromide
benzyl chloride	fluorotrichloromethane
carbon tetrachloride	hexane
chlorobenzene	isopropyl alcohol
chlorodifluoromethane	methyl ethyl ketone
chloroethane	methylene chloride
chloroform	perchloroethylene
1,1 dichloroethane	toluene
1,1 dichlorethene	1,1,1 trichloroethane
1,2 dichloroethane	1,1,2,2 tetrachloroethane
1,4 dichlorobenzene	trichloroethylene
dichlorodifluoromethane	vinyl chloride
dichlorofluoromethane	xylenes

15. In order to demonstrate compliance with the above conditions, the Permit Holder shall maintain the following records in a District approved logbook.
    a. For the Landfill Gas Flare (A-15), record the date and time for each start-up and shut-down of the flare and the reason for each shut-down.
    b. Summarize the operating hours for the Landfill Gas Flare (A-15), on a daily basis.

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

c. Calculate and record, on a monthly basis, the maximum daily and total monthly heat input to the Landfill Gas Flare (A-15) based on operating hours for the flare, the landfill gas flow rate recorded pursuant to Part 6, the average methane concentration in the landfill gas as determined by the most recent source test, and a high heating value for methane of 997.7 BTU/ft^3 of landfill gas at 68 degrees F and 1 atmosphere.

d. Record the total amount of condensate (gallons/day) injected into the A-15 Landfill Gas Flare for each day that condensate is injected into A-15, and summarize these records on a monthly basis.

e. Maintain records of all test dates and test results performed to maintain compliance with Parts 12 and 13 or with any applicable rule or regulation.

All records shall be maintained on site or shall be made readily available to District staff upon request for a period of at least 5 years from the date of entry. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations.
(Basis: Offsets, Cumulative Increase, 2-6-501, 8-34-301, and 8-34-501)

16. Any emission reductions that may occur due to the shut-down or modification of ~~any of the following equipment (~~S-23 IC Engine~~,~~ **or** S-24 IC Engine~~, S-25 LNG Plant, or S-26 LNG Plant)~~ cannot be banked or used to generate contemporaneous on site emission reduction credits for other projects. All such emission reductions shall be use to reimburse the District Small Facility Banking Account (SFBA) for the emission reduction credits provided from the SFBA to offset NOx and POC emission increases from this equipment. Furthermore, the Permit Holder shall use any NOx or POC emission reduction credits generated at any of the Permit Holder's facilities, which are located within the District, to reimburse the SFBA for all emission reduction credits provided from the SFBA on behalf of the Permit Holder, before any of these credits could become eligible for banking.
(Basis: Regulation 2-4-303.5)

17. [Reserved]

18. The Permit Holder shall comply with the following waste acceptance and disposal limits and shall obtain the appropriate New Source Review permit, if one of the following limits is exceeded:

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

a. Total waste accepted and placed at the landfill shall not exceed 11,150 tons in any day (except during temporary emergency situations approved by the Local Enforcement Agency). (Basis: Regulation 2-1-301)

b. The amount of non-hazardous sludge accepted and placed at the landfill shall not exceed 5,000 tons in any day. (Basis: Regulation 2-1-301)

c. The maximum design capacity of the landfill (total volume of solid waste placed in the landfill where solid waste has the same meaning as the definition in 40 CFR Part 60.751) shall not exceed 58,900,000 cubic yards.
(Basis: Regulation 2-1-301)

d. The total cumulative amount of all waste placed in the landfill shall not exceed 47,100,000 tons. Exceedance of the cumulative tonnage limit is not a violation of the permit and does not trigger the requirement to obtain a New Source review permit, if the operator can, within 30 days of the date of discovery of the exceedance, provide documentation to the District demonstrating, in accordance with BAAQMD Regulation 2-1-234.3, that the limit should be higher. (Basis: Regulation 2-1-234.3)

19. Water and/or dust suppressants shall be applied to all unpaved roadways and active soil removal and fill areas associated with this landfill as necessary to prevent visible particulate emissions that persist for more than 3 minutes in any hour. Paved roadways at the facility shall be kept sufficiently clear of dirt and debris as necessary to prevent persistent visible particulate emissions from vehicle traffic or wind. (Basis: Regulations 2-1-403, 6-301, and 6-305)

20. The Permit Holder shall limit the quantity of VOC laden soil handled per day so that no more than 15 pounds of total carbon could be emitted to the atmosphere per day. VOC laden soil is any material that contains volatile organic compounds, as defined in Regulation 8-40-213, at a concentration of 50 ppm by weight or less. Soil containing more than 50 ppmw of VOC is considered to be "contaminated soil" and is subject to Part 21 below instead of this part. Materials containing only non-volatile hydrocarbons and meeting the requirements of Regulation 8-40-113 are not subject to this part. In order to demonstrate compliance with this condition, the Permit Holder shall maintain the following records in a District approved log.

a. Record on a daily basis the amount of VOC laden soil handled at the landfill. This total amount (in units of pounds per day) is Q in the equation in subpart c. below.

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Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

b. Record on a daily basis the VOC content of all soils handled at the landfill. This VOC Content (C in the equation below) should be expressed as parts per million by weight as total carbon (or C1).
c. Calculate and record on a daily basis the VOC Emission Rate (E) using the following equation: E = Q * C / 1E6
d. Summarize all daily emission rates on a monthly and calendar year basis.

All records shall be maintained on site or shall be made readily available to District staff upon request for at least 5 years from the date of entry.
(Basis: Regulation 8-2-301)

21. This part applies to any on-site activities involving contaminated soil as defined in Regulation 8-40-205. Unless stated otherwise, all terms, standards, or procedures described in this part have the same meaning as the terms, standards, and procedures described in Regulation 8, Rule 40.
    a. The procedures listed below in subparts b-l do not apply if the following criteria are satisfied. However, the record keeping requirements in subpart m below are applicable.
        i. The Permit Holder has appropriate documentation demonstrating that either the organic content of the soil or the organic concentration above the soil is below the "contaminated" level (as defined in Regulations 8-40-205, 207, and 211). The handling of soil containing in concentrations below the "contaminated" level is subject to Part 20 above.
        ii. The Permit Holder has no documentation to prove that soil is not contaminated, but source of the soil is known and there is no reason to suspect that the soil might contain organic compounds.

    b. The Permit Holder shall provide notification to the Compliance and Enforcement Division of the Permit Holder's intention to accept contaminated soil at the facility at least 24 hours in advance of receiving the contaminated soil. The Permit Holder shall provide an estimate of the amount of contaminated soil to be received, the degree of contamination (range and average VOC Content), and the type or source of contamination.

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Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

c. Any soil received at the facility that is known or suspected to contain volatile organic compounds (VOCs) shall be handled as if the soil were contaminated, unless the Permit Holder receives test results proving that the soil is not contaminated. To prove that the soil is not contaminated, the Permit Holder shall collect soil samples in accordance with Regulation 8-40-601 within 24 hours of receipt of the soil by the facility. The organic content of the collected soil samples shall be determined in accordance with Regulation 8-40-602.

i. If these test results indicate that the soil is still contaminated or if the soil was not sampled within 24 hours of receipt by the facility, the Permit Holder must continue to handle the soil in accordance with the procedures subparts d-l below, until the soil has been placed in a final disposal location and adequately covered. Storing soil in a temporary stockpile or pit is not considered treatment. Co-mingling, blending, or mixing of soil lots is not considered treatment.

ii. If these test results indicate that the soil - as received at the facility - has an organic content of 50 ppmw or less, then the soil may be considered to be not contaminated and need not be handled in accordance with the procedures listed in subparts d-l below, but shall be handled in accordance with Part 20 above.

d. Any contaminated soil received at the facility shall be clearly identified as contaminated soil, shall be handled in accordance with subparts e-l below, and shall be segregated from non-contaminated soil. Contaminated soil lots may not be co-mingled, blended, or otherwise mixed with non-contaminated soil lots prior to treatment, reuse, or disposal. Mixing soil lots in an attempt to reduce the overall concentration of the contaminated soil or to circumvent any requirements or limits is strictly prohibited.

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

e. On-site handling of contaminated soil shall be limited to no more than 2 on-site transfers per soil lot. For instance, unloading soil from off-site transport vehicles into a temporary storage pile is considered one transfer. Moving soil from a temporary storage to a staging area is considered one transfer. Moving soil from a temporary storage pile to a final disposal site is one transfer. Moving soil from a staging area to a final disposal site is one transfer. Therefore, unloading soil from off-site transport into a temporary storage pile and then moving the soil from that temporary storage pile to the final disposal site is allowed. Unloading soil from off-site transport into a staging area and then moving the soil from that staging area to the final disposal site is allowed. However, unloading soil from off-site transport to a temporary storage pile, moving this soil to a staging area, and then moving the soil again to a final disposal site is 3 on-site transfers and is not allowed.

f. Contaminated soil shall either be deposited in a final disposal site or transported off-site for treatment:
   a. within 90 days, if the soil contains less than 500 ppmw of VOC, or
   b. within 45 days, if the soil contains 500 ppmw of VOC or more.

g. The total amount of contaminated soil disposed of at this site shall not exceed 6000 tons per day. (Basis: Regulation 2-1-301)

h. All active storage piles shall meet the requirements of Regulation 8-40-304 by using water sprays, vapor suppressants or approved coverings to minimize emissions. The exposed surface area of any active storage pile (including the active face at a landfill) shall be limited to 6000 ft2. The types of storage piles that may become subject to these provisions include (but are not limited to) truck unloading areas, staging areas, temporary stockpiles, soil on conveyors, bulldozers or trucks, the active face of a landfill, or other permanent storage pile at the final disposal location.

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Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

i. All inactive storage piles shall meet the requirements of Regulation 8-40-305 including the requirement to cover contaminated soil during periods of inactivity longer than one hour. The types of storage piles that may become subject to these provisions include (but are not limited to) soil on trucks or other on-site equipment, staging areas, temporary stockpiles, and the permanent storage pile at the final disposal location. District approved coverings for inactive storage piles include continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) or encapsulating vapor suppressants (with re-treatment as necessary to prevent emissions).

j. The Permit Holder must:
   i. Keep contaminated soil covered with continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) whenever soil is to be stored in temporary stockpiles or during on-site transport in trucks. Soil in trucks shall not be left uncovered for more than 1 hour.
   ii. Establish a tipping area for contaminated soils near the active face that is isolated from the tipping area for other wastes.
   iii. Spray contaminated soil with water or vapor suppressant immediately after dumping the soil from a truck at the tipping area.
   iv. Ensure that all contaminated soil is transferred from the tipping area to the active face immediately after spraying with water or vapor suppressant.
   v. Ensure that contaminated soil in the tipping area is not disturbed by subsequent trucks. Trucks shall not drive over contaminated soil in the tipping area or track contaminated soil out of the tipping area on their wheels.
   vi. Spray contaminated soil on the active face with water or vapor suppressant (to keep the soil visibly moist) until the soil can be covered with an approved covering.
   vii. Limit the area of exposed soil on the active face to no more than 6000 ft2.

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

viii. Ensure that contaminated soil spread on the active face is completely covered on all sides with one of the following approved coverings: at least 6 inches of clean compacted soil, at least 12 inches of compacted garbage, or at least 12 inches of compacted green waste.

ix. Ensure that covering of soil on the active face is completed within one hour of the time that the soil was first dumped from a truck at the tipping area.

k. Contaminated soil shall not be used as daily, intermediate, or final cover material for landfill waste operations unless the requirements of Regulation 8, Rule 40, Sections 116 or 117 have been satisfied.

l. Contaminated soil is considered to be a decomposable solid waste pursuant to Regulation 8, Rule 34. All contaminated soil disposed of at a site shall be included in any calculations of the amount of decomposable waste in place for annual reporting requirements or for purposes of 8-34-111 or 8-34-304.

m. The Permit Holder shall keep the following records for each lot of soil received, in order to demonstrate on-going compliance with the applicable provisions of Regulation 8, Rule 40 and this part.

i. For all soil received by the facility (including soil with no known contamination), record the arrival date at the facility, the soil lot number, the amount of soil in the lot, the organic content or organic concentration of the lot (if known), the type of contamination (if any), and keep copies of any test data or other information that documents whether the soil is contaminated (as defined in 8-40-205) or not contaminated, with what, and by how much.

ii. If the soil is tested for organic content after receipt by the facility, a report with the sampling date, test results, and the date results were received.

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Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

iii. For all on-site handling of contaminated soil, use a checklist or other approved method to demonstrate that appropriate procedures were followed during all on-site handling activities. One checklist shall be completed for each day and for each soil lot (if multiple lots are handled per day).

iv. For soil aerated in accordance with 8-40-116 or 117 record the soil lot number, the amount of soil in the lot, the organic content, the final placement date, the final placement location, and describe how the soil was handled or used on-site.

v. For final disposal at a landfill, record on a daily basis the soil lot number, the amount of soil placed in the landfill, the disposal date, and the disposal location.

vi. Summarize the total amount of contaminated soil disposed of at this site on a monthly and calendar year basis to demonstrate compliance with subpart g.

All records shall be retained for at least 5 years from the date of entry and shall be made available for District inspection upon request.

(Basis: Regulation 2-1-301, 2-1-403, 8-40-301, 8-40-304 and 8-40-305)

22. To demonstrate compliance with Parts 18-21 and Regulation 8-34-304, the Permit Holder shall maintain the following records in a District approved logbook.

a. Record the total amount of municipal solid waste received at S-1 on a daily basis. Summarize the daily waste acceptance records for each calendar month.

b. For each area or cell that is not controlled by a landfill gas collection system, maintain a record of the date that waste was initially placed in the area or cell. Record the cumulative amount of waste placed in each uncontrolled area or cell on a monthly basis.

c. If the Permit Holder plans to exclude an uncontrolled area or cell from the collection system requirement, the Permit Holder shall also record the types and amounts of all non-decomposable waste placed in the area and the percentage (if any) of decomposable waste placed in the area.

d. Record the initial operation date for each new landfill gas well and collector.

VI. Permit Conditions

Condition # 19235
FOR: S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM, AND A-15 LANDFILL GAS FLARE:

e. Maintain an accurate map of the landfill that indicates the locations of all refuse boundaries and the locations of all wells and collectors (using unique identifiers) that are required to be operating continuously pursuant to Part 1a. Any areas containing only non-decomposable waste shall be clearly identified. This map shall be updated at least once a year to indicate changes in refuse boundaries and to include any newly installed wells and collectors.

f. Record of the dates, locations, and frequency per day of all watering activities on unpaved roads or active soil or fill areas. Record the dates, locations, and type of any dust suppressant applications. Record the dates and description of all paved road-cleaning activities. All records shall be summarized on monthly basis.

All records shall be maintained on site or shall be made readily available to District staff upon request for a period of at least 5 years from the date of entry. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations.
(Basis: Regulations 2-1-301, 2-6-501, 6-301, 6-305, 8-2-301, 8-40-301, 8-34-304, and 8-34-501)

23. The annual report required by BAAQMD Regulation 8-34-411 shall be submitted in two semi-annual increments. The reporting period for the first increment of the Regulation 8-34-411 annual report that is submitted subsequent to the issuance of the MFR Permit for this site shall be from December 1, 2003 through April 30, 2004. This first increment report shall be submitted by May 31, 2004. The reporting periods and report submittal due dates for all subsequent increments of the Regulation 8-34-411 report shall be synchronized with the reporting periods and report submittal due dates for the semi-annual MFR Permit monitoring reports that are required by Section I.F of the MFR Permit for this site. A single report may be submitted to satisfy the requirements of Section I.F, Regulation 8-34-411, and 40 CFR Part 63.1980(a), provided that all items required by each applicable reporting requirement are included in the single report.
(Basis: Regulation 8-34-411 and 40 CFR Part 63.1980(a))

VI. Permit Conditions

Condition # 19237
FOR: S-23 INTERNAL COMBUSTION ENGINE AND
FOR: S-24 INTERNAL COMBUSTION ENGINE

1. The S-23 and S-24 Internal Combustion (IC) Engines may be fired on landfill gas, liquefied natural gas ~~produced on-site at the S-25 or S-26 Liquefied Natural Gas~~ (LNG) ~~Plants~~, or LNG Plant waste gas ~~from S-25 or S-26~~.
(Basis: Cumulative Increase)

2. The heat input to each IC Engine (S-23 and S-24) shall not exceed 420 million BTU per day and shall not exceed 153,300 million BTU per year.
(Basis: Offsets and Cumulative Increase)

3. District approved flow meters, to measure the total fuel gas flow rate into each IC Engine, shall be installed prior to any operation and shall be maintained in good working condition. (Basis: Cumulative Increase and Regulation 8-34-508)

4. The daily heat input to each IC Engine shall be determined using the fuel gas flow rate measured pursuant to Part 3 (actual cubic feet per day) and the daily measurement of the fuel gas methane concentration by gas chromatograph. Fuel gas temperature and pressure measurements shall be used to convert from actual cubic feet to cubic feet at 60 °F and 14.7 psia. The daily heat input shall be determined from the following equation:

Heat Input (MM BTU/day) = Daily Fuel Flow Rate (ft^3/day at 60 °F and 14.7 psia) * Methane Concentration (%) * Gross Methane Heat Content (1013 BTU/ft^3 CH_4) * Conversion Factor (1E-8)

(Basis: Offsets and Cumulative Increase)

VI. Permit Conditions

Condition # 19237
FOR: S-23 INTERNAL COMBUSTION ENGINE AND
FOR: S-24 INTERNAL COMBUSTION ENGINE

5. Each IC Engine (S-23 or S-24) shall be operated continuously during all times that landfill gas or LNG Plant waste gas is vented the IC Engine. In the event of a shut down or malfunction of S-23 or S-24 or both IC Engines, landfill gas and LNG Plant waste gas shall be diverted to other operational control device(s) with sufficient capacity to handle the additional gas load. These gases may be diverted to A-15 Landfill Gas Flare, S-6 Gas Turbine, S-7 Gas Turbine, S-23 IC Engine, S-24 IC Engine, or any combination of these devices. The IC Engines shall each be equipped with automatically controlled valves, which shall ensure that landfill gas and LNG Plant waste gas are immediately diverted to an appropriate control device. Raw landfill gas and raw LNG Plant waste gas shall not be vented to the atmosphere, except for unavoidable landfill gas emissions that occur during control system installation, maintenance, or repair that is performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118 and inadvertent component or surface leaks that do not exceed the limits specified in Regulations 8-34-301.2 or 8-34-303. (Basis: Offsets, Cumulative Increase, Toxic Risk Management Policy, and Regulation 8-34-301)

6. Nitrogen Oxide (NO_X) emissions from each IC Engine (S-23 and S-24) shall not exceed 0.6 grams of NO_x (calculated as NO_2) per brake-horsepower-hour. The Permit Holder may demonstrate compliance with this emission rate limit by having a nitrogen oxide concentration in the engine exhaust of no more than 36 ppmv of NO_x, corrected to 15% oxygen, dry basis. An exhaust concentration measurement of more than 36 ppmv of NO_x shall not be deemed a violation of this part, if the Permit Holder can demonstrate that NO_x emissions did not exceed 0.6 g/bhp-hour during the test period. (Basis: BACT and Offsets)

7. Carbon Monoxide (CO) emissions from each IC Engine (S-23 and S-24) shall not exceed 2.1 grams of CO per brake-horsepower-hour. The Permit Holder may demonstrate compliance with this emission rate limit by having a carbon monoxide concentration in the engine exhaust of no more than 207 ppmv of CO, corrected to 15% oxygen, dry basis. An exhaust concentration measurement of more than 207 ppmv of CO shall not be deemed a violation of this part, if the Permit Holder can demonstrate that CO emissions did not exceed 2.1 g/bhp-hour during the test period. (Basis: BACT and Cumulative Increase)

VI. Permit Conditions

Condition # 19237
FOR: S-23 INTERNAL COMBUSTION ENGINE AND
FOR: S-24 INTERNAL COMBUSTION ENGINE

8. Each IC Engine (S-23 and S-24) shall comply with either the destruction efficiency requirements or the non-methane organic compound (NMOC) outlet concentration limit specified in Regulation 8-34-301.4.
(Basis: BACT, Offsets, and Regulation 8-34-301.4)

9. Carbon monoxide (CO) concentration in the engine exhaust shall be used as the key emission control system operating parameter in order to demonstrate compliance with the Regulation 8-34-301.4 NMOC emission limit between annual source tests at S-23 and S-24. For the purpose of this part only, the CO concentration in the exhaust from S-23 and S-24 shall not exceed ~~215~~**330** ppmv at 15% oxygen (O_2), dry basis. Any CO concentrations that are measured using the procedures described in this part shall not be used to evaluate compliance with the CO emission limits in Part 7. CO and O_2 concentrations shall be measured according to the monitoring schedule in subparts a-c below using a portable flue gas analyzer capable of measuring CO concentrations within +/- 2% accuracy and O_2 concentrations within +/- 1% accuracy. The monitoring schedule in subparts a-c below shall become effective for each engine (S-23 or S-24) upon the first date that the engine is operated after February 5, 2004.
   a. The Permit Holder shall measure the concentrations of CO and O_2 in the exhaust of each engine once per operating day for at least ~~fifteen~~ **ninety** operating days for each engine. The Permit Holder shall calculate the **average and** standard deviation of the corrected CO **concentration** measurements (dry basis CO concentrations after correction to 15% O_2) ~~twice~~ **once** per calendar month (or after ~~each fifteen~~ **thirty** daily measurements if the engine is not operated each day during the month). If **none of** the **daily** corrected CO **concentrations** ~~measurements do not~~ exceed the limit in this part, **each average corrected CO concentration is no more than 75% of the limit,** and the standard deviation of these measurements does not exceed 10 **ppmv**, then the Permit Holder may use the monitoring schedule described in subpart b for that engine.
   b. The Permit Holder shall measure the concentrations of CO and O_2 in the exhaust of each engine once per operating week for at least ~~thirteen~~ **fifty-two** operating weeks for each engine. The Permit Holder shall calculate the **average and** standard deviation of the corrected CO **concentration** measurements (dry basis CO concentrations after correction to 15% O_2) once per calendar quarter (or after thirteen weekly measurements if the engine is not operated each week during the quarter).

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Condition # 19237
FOR: S-23 INTERNAL COMBUSTION ENGINE AND
FOR: S-24 INTERNAL COMBUSTION ENGINE

If **none of** the **weekly** corrected CO **concentrations** ~~measurements do not~~ exceed the limit in this part, **each average corrected CO concentration is no more than 50% of the limit,** and the standard deviation of these ~~corrected~~ measurements does not exceed 10 **ppmv**, then the Permit Holder may use the monitoring schedule described in subpart c. If a corrected CO ~~measurement~~ **concentration** exceeds the limit in this part**, or if the average exceeds 75% of the limit,** or if the standard deviation ~~calculated pursuant to this subpart~~ exceeds 10 **ppmv**, the Permit Holder shall revert to the subpart a monitoring frequency.

c. The Permit Holder shall measure the concentrations of CO and O_2 in the exhaust of each engine once per operating month ~~for at least twelve operating months for each engine~~. The Permit Holder shall calculate the **average and** standard deviation of the corrected CO concentration measurements (dry basis CO concentrations after correction to 15% O_2) once per calendar year (or after twelve monthly measurements if the engine is not operated each month during the year). If a corrected CO **concentration** ~~measurement~~ exceeds the limit in this part**, or if the average exceeds 50% of the limit,** or if the standard deviation ~~calculated pursuant to this subpart~~ exceeds 10 **ppmv**, the Permit Holder shall revert to the subpart b monitoring frequency.

(Basis: BACT and Regulations 8-34-301.4, 8-34-501.11, and 8-34-509)

10. In order to demonstrate compliance with Parts 6 through 9 above and Regulations 8-34-301.4, 9-8-302.1, and 9-8-302.3, the Permit Holder shall ensure that a District approved source test is conducted annually on each IC Engine (S-23 and S-24). Source tests shall be conducted no sooner than 6 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 60 days of the test date. The annual source tests shall determine the following:
    a. total flow rate of all gaseous fuel to each IC Engine (dry basis);
    b. concentrations (dry basis) of carbon dioxide (CO_2), nitrogen (N_2), oxygen (O_2), methane (CH_4), and total non-methane organic compounds (NMOC) in the combined gaseous fuel burned in each IC Engine

VI. Permit Conditions

Condition # 19237
FOR: S-23 INTERNAL COMBUSTION ENGINE AND
FOR: S-24 INTERNAL COMBUSTION ENGINE

c. exhaust gas flow rate from each IC Engine (dry basis);
d. concentrations (dry basis) of NO_x, CO, CH_4, NMOC, and O_2 in the exhaust gas from each IC Engine;
e. emission rate of formaldehyde in the exhaust from each IC Engine (once every four years);
f. NMOC destruction efficiency achieved by each IC Engine; and
g. CO and O_2 concentrations in the exhaust from each engine shall be measured using the portable flue gas analyzer method described in Part 9 above. The Permit Holder shall determine a correlation ratio by dividing the corrected CO concentration (at 15% O_2 dry) measured by the portable analyzer by the corrected NMOC outlet concentration (at 3% O_2 dry) determined from subpart d. If this correlation ratio is less than ~~1.8~~**2.1**, the Permit Holder shall submit a permit application for a change of conditions within 45 days of receiving the test results.

(Basis: BACT, Offsets, Cumulative Increase, Toxic Risk Management Policy, and Regulations 8-34-301.4, 8-34-412, 9-8-302.1, and 9-8-302.3)

11. In order to demonstrate compliance with Part 2, the Permit Holder shall maintain the following records in an APCO approved logbook for each IC Engine (S-23 and S-24).
    a. Record the dates and times of all startups and shutdowns.
    b. Record the reason for any shutdowns.
    c. Record the heat input rate for each engine on a daily basis (determined in accordance with Part 4 above) and summarize these records on a monthly basis.
    d. Maintain records of all compliance demonstration test results and any calculation procedures or calculated results that are used to show compliance with these conditions.

    All records shall be kept on site and shall be made available to the District staff upon request. All records shall be retained for at least 5 years from the date of entry. (Basis: Offsets and Cumulative Increase)

VI. Permit Conditions

Condition # 19238
FOR: S-25 LIQUEFIED NATURAL GAS PLANT AND
FOR: S-26 LIQUEFIED NATURAL GAS PLANT

1. The production rate of Liquefied Natural Gas (LNG) at each LNG Plant (S-25 or S-26) shall not exceed 7000 US gallons per day nor 2,555,000 US gallons per year of LNG. (Basis: Regulation 2-1-301)

2. The carbon dioxide exhaust streams from the S-25 and S-26 LNG Plants shall contain no detectable non-methane organic compounds, where a measurement of less than 5 ppmv of NMOC is considered non-detectable.
(Basis: Cumulative Increase)

3. LNG Plant waste gas generated at the carbon bed regeneration equipment (part of the S-25 and S-26 LNG Plants) shall be vented to an approved control device during all times that this waste gas is being produced. Approved control devices include: S-23 or S-24 Internal Combustion Engines, S-6 or S-7 Gas Turbines, or A-15 Landfill Gas Flare.
(Basis: Cumulative Increase and Toxic Risk Management Policy)

4. In order to demonstrate compliance with Part 1, the Permit Holder shall maintain daily records of the amount of LNG produced by each LNG Plant in an APCO approved log book. All records shall be kept on site and shall be made available to the District staff upon request. All records shall be retained for at least 5 years from the date of entry. (Basis: Regulation 2-1-301)

5. In order to demonstrate compliance with Part 2, the Permit Holder shall conduct a District approved source test of the carbon dioxide vent stream within 60 days of initial start-up of S-25 and S-26 and once every 5 years thereafter. The Source Test Section of the District shall be contacted to obtain their approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and Source Test Section within 60 days of the test date. The source tests shall determine the following:
   a. exhaust gas flow rate (dry basis);
   b. concentrations (dry basis) of total hydrocarbons (THC), methane (CH_4), and total non-methane organic compounds (NMOC) in the exhaust gas;
(Basis: Cumulative Increase)

VI. Permit Conditions

Condition # 20774
FOR: S-19 TRANSFER TANK WITH SIPHON PUMP

1. The total throughput of all liquid material to S-19 shall not exceed 1,576,800 gallons during any consecutive 12-month period. (Basis: Cumulative Increase)

2. A flow totalizer shall be installed and operated at S-19 to measure and indicate, in gallons, the total flow of liquid throughput to/processed at S-19 in each month. (Basis: Cumulative Increase)

3. The amount of waste material collected from the siphon pump at S-19 shall not exceed 20,750 gallons during any consecutive 12-month period.
(Basis: Cumulative Increase)

4. The amount of liquid material processed at S-19 and the amount of waste material collected from the siphon pump shall be recorded monthly in a District approved log. This log shall be retained for at least five years from date of entry. This log shall be kept on site and made readily available to the District staff upon request. (Basis: Cumulative Increase)

VI. Permit Conditions

Condition # 20800
FOR: S-190 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT WWTP)

*1. Hours of Operation: The Permit Holder shall operate the emergency standby engine(s) only to mitigate emergency conditions or for reliability-related activities. Operating while mitigating emergency conditions is unlimited. Operating for reliability-related activities is limited to 100 hours per any calendar year.
(Basis: Regulation 9-8-330)

"Emergency Conditions" is defined as any of the following:
a. Loss of regular natural gas supply.
b. Failure of regular electric power supply.
c. Flood mitigation.
d. Sewage overflow mitigation.
e. Fire.
f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.
(Basis: Regulation 9-8-231)

"Reliability-related activities" is defined as any of the following:
a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
b. Operation of an emergency standby engine during maintenance of a primary motor.
(Basis: Regulation 9-8-232)

*2. The Permit Holder shall equip the emergency standby engine(s) with either:
a. a non-resettable totalizing meter that measures the hours of operation for the engine; or
b. a non-resettable fuel usage meter, the maximum hourly fuel rate shall be used to convert fuel usage to hours of operation.
(Basis: Regulation 9-8-530)

VI. Permit Conditions

Condition # 20800
FOR: S-190 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT WWTP)

3. Records: The Permit Holder shall maintain the following monthly records in a District-approved log for at least five years and shall make the log available for District inspection upon request:
   *a. Hours of operation (total).
   *b. Hours of operation (emergency).
   *c. For each emergency, the nature of the emergency condition.
   *d. Fuel usage for engine(s) if a non-resettable fuel usage meter is utilized.
   e. Records of the vendor-certified sulfur content for all fuels burned in this engine.
   (Basis: Regulations 9-1-304 and 9-8-530)

Condition # 20801
FOR: S-191 DIESEL ENGINE (FOR PIMARY WATER PUMP)
FOR: S-192 DIESEL ENGINE (FOR BOOSTER WATER PUMP)
FOR: S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)
FOR: S-197 DIESEL ENGINE (FOR PORTABLE GENERATOR AT BREAK TRAILER)
FOR: S-198 DIESEL ENGINE (FOR VACUUM TRUCK PUMP)

1. Diesel fuel usage at each engine shall not exceed the rate listed below during any consecutive 12-month period. (Basis: Regulation 2-1-301)

S-191	28,908 gallons/year
S-192	28,908 gallons/year
S-193	62,196 gallons/year
S-197	34,690 gallons/year
S-198	75,336 gallons/year

2. In order to demonstrate compliance with Part 1 above, the Permit Holder shall maintain the following records in a District approved log:
   a. Monthly records of the operating hours for each engine.
   b. Monthly records of the amount of diesel fuel used at engine.
   c. All monthly records shall be summarized on a rolling 12-month basis.
   d. Vendor certifications of the fuel oil sulfur content for any fuels burned in these engines.
   All records shall be made available to District staff upon request and shall be kept on site for a minimum of five years from the date of entry.
   (Basis: Regulations 2-1-301 and 9-1-304)

VI. Permit Conditions

Condition # 20812

FOR: S-194 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT FLARE STATION), S-195 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT MAINTENANCE FACILITY), AND S-196 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT SCALE HOUSE)

*1. Hours of Operation: The Permit Holder shall operate the emergency standby engine(s) only to mitigate emergency conditions or for reliability-related activities. Operating while mitigating emergency conditions is unlimited. Operating for reliability-related activities is limited to 100 hours per any calendar year.
(Basis: Regulation 9-8-330)

"Emergency Conditions" is defined as any of the following:
a. Loss of regular natural gas supply.
b. Failure of regular electric power supply.
c. Flood mitigation.
d. Sewage overflow mitigation.
e. Fire.
f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.
(Basis: Regulation 9-8-231)

"Reliability-related activities" is defined as any of the following:
a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
b. Operation of an emergency standby engine during maintenance of a primary motor.
(Basis: Regulation 9-8-232)

*2. The Permit Holder shall equip the emergency standby engine(s) with either:
a. a non-resettable totalizing meter that measures the hours of operation for the engine; or
b. a non-resettable fuel usage meter, the maximum hourly fuel rate shall be used to convert fuel usage to hours of operation.
(Basis: Regulation 9-8-530)

VI. Permit Conditions

Condition # 20812

FOR: S-194 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT FLARE STATION), S-195 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT MAINTENANCE FACILITY), AND S-196 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT SCALE HOUSE)

3. Records: The Permit Holder shall maintain the following monthly records in a District-approved log for at least five years and shall make the log available for District inspection upon request:
   *a. Hours of operation (total).
   *b. Hours of operation (emergency).
   *c. For each emergency, the nature of the emergency condition.
   *d. Fuel usage for engine(s) if a non-resettable fuel usage meter is utilized.
   e. Records of the vendor-certified sulfur content for all fuels burned in this engine.
   (Basis: Regulations 9-1-304 and 9-8-530)

Condition # 20813

FOR: S-99 NON-RETAIL GASOLINE DISPENSING FACILITY G # 7123

1. This facility's annual gasoline throughput shall not exceed 8,100 gallons in any consecutive 12-month period. (Basis: Offsets)

2. In order to demonstrate compliance with Part 1, the Permit Holder shall maintain monthly records of the gasoline throughput at S-99/G7123 in a District approved log. This log shall be retained for at least five years from date of entry. This log shall be kept on site and made readily available to the District staff upon request. (Basis: Offsets and Regulations 2-6-501 and 2-6-503)

VI. Permit Conditions

Condition # 20828
FOR: SPECIFIED PAVED ROADS AT FACILITY # A2066 AND S-2 ALTAMONT LANDFILL

These conditions do not apply unless the Permit Holder has satisfied the requirements of Certificate of Deposit # 821 including the road paving requirements of Condition #20459. Upon completing the road paving requirements of Condition #20459, the Permit Holder shall comply with these conditions in addition to all other applicable requirements for this facility.

1. The Permit Holder shall implement the following best management practices to minimize the silt loading on the paved roads listed below.

Road A	Perimeter Road, 9030 feet
Road B	Scale to Wye, 2420 feet
Road C	Composting Road, 3405 feet

   a. The Permit Holder shall clean all sections of road with a vacuum sweeper and/or by water flushing at least once per week. The Permit Holder may petition the APCO to reduce the frequency of road cleaning based upon silt loading test results, in accordance with the procedures identified in Regulations 2-1-402, 2-2-401, 2-6-403 and 2-6-406. The Permit Holder shall obtain written approval from the APCO for a decrease in road cleaning frequency prior to its implementation. The Permit Holder shall submit a road cleaning schedule to the District at least two weeks prior to the completion of road paving.
   b. The Permit Holder shall maintain the entrances to the paved roadways to minimize the amount of silt material being tracked onto the paved area by customer traffic. Maintenance shall include rocking or applying a dust suppressant, as necessary, to an apron area immediately adjacent to the paved road.
   c. The Permit Holder shall install and maintain concrete barriers, soil slopes, surface water control ditches, or other barriers to control traffic and reduce random departures of customer traffic from the paved roads onto the unpaved portions of the disposal area.
   d. The Permit Holder shall mark, control, and develop the entrances and exits to the unpaved disposal areas to minimize the distance traveled on unpaved ground as reasonably determined by operational factors.

   (Basis: Regulation 2-2-201)

VI. Permit Conditions

Condition # 20828
FOR: SPECIFIED PAVED ROADS AT FACILITY # A2066 AND S-2 ALTAMONT LANDFILL

2. The average silt loading for the paved roads listed in Part 1 shall not exceed 7.4 grains/m^2. The Permit Holder shall verify compliance with this limit by testing each of the paved roads at least once per quarter to determine the weighted average silt loading. The first test shall be conducted at least three months after the completion of the paving of each road. Each test shall be conducted no less than six days after the last cleaning conducted pursuant to Part 1a. The Permit Holder shall notify the District of each pending source test at least on week prior to the source test date. The Permit Holder shall perform such testing in accordance with the surface/bulk dust loading sampling and laboratory analysis procedures of AP-42, Appendix C.1, "Procedures for Sampling Surface/Bulk Dust Loading", dated 7/93, and Appendix C.2 "Procedures for Laboratory Analysis of Surface Bulk Dust Loading Samples", dated 7/93. (Basis: Regulation 2-2-201)

3. The total vehicle miles traveled (VMT) and average vehicle weight over any consecutive twelve-month period shall not exceed the following limits for each paved road.

	Road	Vehicle Miles Traveled (VMT/Year)	Average Vehicle Weight (Tons)
A	Perimeter	122,315	15.95
B	Scale to Wye	285,419	25.06
C	Composting	82,545	28.5

The silt loading, VMT, and average vehicle weight limits specified in Parts 2 and 3 may only be exceeded if the Permit Holder can demonstrate through District-approved records and District-approved emission calculations (per EPA methods outlined in AP-42, Section 13.2.1, "Paved Roads", dated 10/97) that the total combined PM_{10} emissions for the three paved roads do not exceed 207.962 tons totaled over the previous consecutive twelve-month period.
(Basis: Regulation 2-2-201)

VI. Permit Conditions

Condition # 20828
FOR: SPECIFIED PAVED ROADS AT FACILITY # A2066 AND S-2 ALTAMONT LANDFILL

4. The Permit Holder shall maintain monthly records of all vehicle miles traveled and the average weight of all vehicles traveling on the paved roads specified in Part 1 to verify compliance with Part 3. The average vehicle weight records may be based upon typical vehicle weights for various vehicle types and payloads as determined by the Permit Holder. The records of vehicle miles traveled may be based upon typical travel routes for each vehicle type and payload as determined by the Permit Holder. In the case of customer vehicle trips accepted at the facility, the vehicle miles traveled and average vehicle weight may be in the form of electronic or hard copies of scale records. The Permit Holder shall retain all records on site for minimum of five years from the date of entry and make those records available to District representatives upon request.
(Basis: Regulations 2-2-419.1 and 2-6-501)

VI. Permit Conditions

Condition # 20922
For: S-140 SBR 1 AND S-141 SBR 2 (AERATED BIOLOGICAL REACTORS)

1. In order to avoid triggering BACT requirements for S-140 and S-141, the wastewater throughput to each reactor (S-140 and S-141) shall not exceed 34,150 gallons during any one day (as determined by Part 5f), and the total organic compound concentration in the wastewater shall not exceed 40 ppm by weight (as determined by Parts 4 and 5b). (Basis: Cumulative Increase)

2. In order to avoid triggering Offset requirements for S-140 and S-141, the total combined wastewater throughput to S-140 and S-141 shall not exceed 8,993,000 gallons during any consecutive 12-month period (as determined by Part 5g), and the annual average organic compound concentration in the wastewater shall not exceed 11 ppm by weight (as determined by Parts 4 and 5c).
(Basis: Cumulative Increase)

*3. The Permit Holder shall submit a permit application for a Change of Permit Conditions, if the annual average concentration of a compound in untreated wastewater (as determined by Parts 4 and 5c) is greater than the concentration limit listed below. The Permit Application shall be submitted to the Engineering Division, within 45 days of determining that an annual average concentration is above a limit listed below. (Basis: Toxic Risk Management Policy)

Compound	Concentration Limit (ppbw)
Benzene	80
Chloroform	470
1,4 Dichlorobenzene	230
Methylene Chloride	2530
Naphthalene	3590
Perchloroethylene	430
Trichloroethylene	1290
Vinyl Chloride	30

4. In order to demonstrate compliance with Parts 1-3, the Permit Holder shall analyze the primary sources of untreated wastewater (wastewater that is delivered to the S-130 Equalization Tank from the lift station and wastewater from the leachate storage tanks) on a quarterly basis. Wastewater samples shall be collected and analyzed in accordance with EPA Method 8260B and shall be tested for the following:
   a. Each of the compounds listed in Part 3 (benzene, chloroform, 1,4-dichlorobenzene, methylene chloride, naphthalene, perchloroethylene, trichloroethylene, and vinyl chloride),

VI. Permit Conditions

Condition # 20922
For: S-140 SBR 1 AND S-141 SBR 2 (AERATED BIOLOGICAL REACTORS)

b. Any compounds that have been detected in wastewater during the last three years including: bromodichloromethane, 2-butanone (methyl ethyl ketone), butyl benzene (n- and sec-), 1,2 dichlorobenzene, dichlorodifluoromethane, ethyl benzene, 4-isopropyl toluene, 4-methyl 2-pentanone (methyl isobutyl ketone), methyl-tert-butyl ether (MTBE), propyl benzene (iso- and n-), styrene, toluene, 1,2,4-trichlorobenzene, 1,1,1 trichloroethane, trimethyl benzenes, and xylenes (o-, m-, p-),

c. Any other organic compounds required to be measured pursuant to EPA Method 8260B, and

d. Organic compound has the same meaning as the definition in Regulation 8-1-201. Total organic compounds shall include all volatile and semi-volatile organic compounds that have been detected in the wastewater. Any compounds that have not been detected may be assumed to have zero contribution toward the total organic compound concentration.

(Basis: Cumulative Increase and Toxic Risk Management Policy)

5. In order to demonstrate compliance with Parts 1-3, the Permit Holder shall maintain the following records in a District approved logbook:

a. Maintain records that identify the source of each wastewater sample collected, sample collection dates, sample collection procedures, analytical procedures, analysis dates, and analytical results for each wastewater analysis required by Part 4,

b. On a quarterly basis, calculate and record the total organic compound concentration and the concentration for each compound listed in Part 3, in accordance with Part 4d. If more than one wastewater sample has been collected and analyzed for a quarter, calculate and record the weighted average concentrations (for each compound in Part 3 and total organic compounds) based on the relative wastewater throughput contribution from each source of wastewater during the past quarter. Compare the total organic compound concentration determined for this subpart to the limit in Part 1.

c. On a quarterly basis, calculate and record the annual average concentration (average of four consecutive quarters) for each compound listed in Part 3 and the annual average total organic compound concentration (average of four consecutive quarters). Compare the annual average concentrations determined for this subpart to the limits in Parts 2 and 3.

d. Record the operating dates, times, and rates for S-140 and S-141 on a daily basis.

VI. Permit Conditions

Condition # 20922
For: S-140 SBR 1 AND S-141 SBR 2 (AERATED BIOLOGICAL REACTORS)

e. Record the total wastewater throughput to S-140 and S-141 on a monthly basis and identify the source(s) of the untreated wastewater that was delivered to the S-130 Equalization Tank during the last month. If the wastewater delivered to S-130 comes from more than one source, estimate the relative throughput contributions for each source of the wastewater.

f. On a monthly basis, calculate and record the maximum daily wastewater throughput to each reactor (S-140 and S-141) using the operating data and throughput rates recorded per Parts 5d-e. Compare the maximum daily wastewater throughput rate determined by this subpart to the limit in Part 1.

g. On a monthly basis, calculate and record the total wastewater throughput to S-140 and S-141 combined for each consecutive 12-month period. Compare the total wastewater throughput rate determined by this subpart to the limit in Part 2.

All records shall be maintained on site or shall be made readily available to District staff upon request for a period of at least 5 years from the date of entry. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations.
(Basis: Cumulative Increase and Toxic Risk Management Policy)

6. The Permit Holder shall begin complying with the testing and record keeping requirements described in Parts 4 and 5 above by no later than December 23, 2003. (Basis: Regulation 2-1-403)

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), hourly (H), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installa-tion Dates	BAAQMD 8-34-304.1	Y		For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 19235, Part 22a-e	P/E	Records
Collection System Installa-tion Dates	BAAQMD 8-34-304.2	Y		For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 19235, Part 22a-e	P/E	Records
Collection System Installa-tion Dates	BAAQMD 8-34-304.3	Y		For Any Uncontrolled Areas or Cells: collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 tons of decomposable waste	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 19235, Part 22a-e	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Flow	BAAQMD 8-34-301 and 301.1	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD 8-34-501.10 and 508	C	Gas Flow Meter and Recorder (every 15 minutes)
Gas Flow	BAAQMD Condition # 19235, Parts 1-2	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD 8-34-501.1, 8-34-501.2, 8-34-501.10, 8-34-508, and BAAQMD Condition # 19235, Parts 15 and 22e	P/D	Records of Landfill Gas Flow Rates, Collection and Control Systems Downtime, and Collection System Components
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		240 hours per year and 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating Records
Startup Shutdown or Mal-function Pro-cedures	40 CFR 63.6(e)	Y		Minimize Emissions by Implementing SSM Plan	40 CFR 63.1980(a-b)	P/E	Records (all occurrences, duration of each, corrective actions)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.2	Y		15 consecutive days per incident and 30 calendar days per 12-month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors (for gas flow and temperature)
Continuous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors
Wellhead Pressure	BAAQMD 8-34-305.1	Y		< 0 psig	BAAQMD 8-34-414, 501.9 and 505.1	P/M	Monthly Inspection and Records
Temperature of Gas at Wellhead	BAAQMD 8-34-305.2	Y		< 55 ^{o}C	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly Inspection and Records
Gas Concentrations at Wellhead	BAAQMD 8-34-305.3 or 305.4	Y		N_2 < 20% **OR** O_2 < 5%	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	P/M	Monthly Inspection and Records
Well Shutdown Limits	BAAQMD 8-34-116.2	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-116.3	Y		24 hours per well	BAAQMD 8-34-116.5 and 501.1	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Well Shutdown Limits	BAAQMD 8-34-117.4	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-117.6 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.5	Y		24 hours per well	BAAQMD 8-34-117.6 and 501.1	P/D	Records
Total Carbon Emissions	BAAQMD 8-2-301 and BAAQMD Condition # 19235, Part 20	Y		15 pounds/day or 300 ppm, dry basis (applies only to aeration of or use as cover soil of VOC-laden soil containing ≤ 50 ppmw of VOC)	BAAQMD Condition # 19235, Part 20	P/D	Records
TOC (Total Organic Com-pounds Plus Methane)	BAAQMD 8-34-301.2	Y		Component Leak Limit: ≤ 1000 ppmv as methane	BAAQMD 8-34-501.6 and 503	P/Q	Quarterly Inspection of collection and control system components with OVA and Records
TOC	BAAQMD 8-34-303	Y		Surface Leak Limit: ≤ 500 ppmv as methane at 2 inches above surface	BAAQMD 8-34-415, 416, 501.6, 506 and 510	P/M, Q, and E	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspec-tion Times for Leaking Areas, and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-301.3 and BAAQMD Condition # 19235, Part 9	Y		98% removal by weight OR < 30 ppmv, dry basis @ 3% O_2, expressed as methane (applies to flares only)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 19235, Parts 13 and 15	P/A	Annual Source Tests and Records
Combustion Zone Temperature (CZT)	BAAQMD Condition # 19235, Part 10	Y		For A-15: CZT $\geq$ 1400 °F, averaged over any 3-hour period	BAAQMD 8-34-501.3, 8-34-507	C	Temperature Sensor and Recorder (continuous)
Opacity	BAAQMD 6-301	Y		For S-2 Altamont Landfill: Ringelmann No. 1 for < 3 minutes/hr	BAAQMD Condition # 19235, Part 22f	P/E, M	Records of all site watering and road cleaning events
Opacity	BAAQMD 6-301	Y		For A-15 Flare: Ringelmann No. 1 for < 3 minutes/hr	None	N	NA
FP	BAAQMD 6-310	Y		For A-15 Flare: $\leq$ 0.15 grains/dscf	None	N	NA
NOx	BAAQMD Condition # 19235, Part 7			For A-15 Flare: $\leq$ 44 ppmv @ 3% O_2, dry, unless emissions $\leq$ 0.06 pounds/MM BTU, calculated as NO_2	BAAQMD Condition # 19235, Parts 13 and 15	P/A	Annual Source Tests and Records
CO	BAAQMD Condition # 19235, Part 8			For A-15 Flare: $\leq$ 361 ppmv @ 3% O_2, dry, unless emissions $\leq$ 0.30 pounds/MM BTU	BAAQMD Condition # 19235, Parts 13 and 15	P/A	Annual Source Tests and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours (due to flare emissions)	None	N	NA
SO_2	BAAQMD 9-1-302	Y		For A-15 Flare: ≤ 300 ppm (dry basis)	BAAQMD Condition # 18773, Part~~s~~ 10~~-12~~	P/M	Sulfur Analysis of Landfill Gas and Records
Sulfur Content in Landfill Gas	BAAQMD Condition # 19235, Part 11	Y		≤ 200 ppmv of TRS, expressed as H_2S (dry basis)	BAAQMD Condition # 18773, Part~~s~~ 10~~-12~~	P/M	Sulfur Analysis of Landfill Gas and Records
H_2S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: ≤ 0.06 ppm, averaged over 3 minutes and ≤ 0.03 ppm, averaged over 60 minutes	None	N	NA
Con-densate Through-put	BAAQMD Condition # 19235, Part 3	Y		For A-15: ≤ 3600 gallons / day	BAAQMD Condition # 19235, Part 15d	P/D	Records
Heat Input	BAAQMD Condition # 19235, Part 4	Y		For A-15: ≤ 1704 MM BTU / day and ≤ 621,785 MM BTU / year	BAAQMD Condition # 19235, Parts 6 and 15c	C, P/M	Gas Flow Meter and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Toxic Compound Concentration Limits for Landfill Gas	BAAQMD Condition # 19235, Part 12	N		Compound — ≤ ppbv Acrylonitrile 500 Benzene 2200 Benzyl Chloride 100 1,4 Dichlorobenzene 1100 Ethylene Dibromide 100 Ethylene Dichloride 150 Ethylidene Dichloride 1200 Methylene Chloride 2500 Perchloroethylene 2400 1,1,2,2 Tetrachloroethylene 100 Trichloroethylene 1400 Vinyl Chloride 1100	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
Amount of Waste Accepted and Disposed	BAAQMD Condition # 19235, Part 18	Y		Total Waste: ≤ 11,150 tons/day Sludge: ≤ 5,000 tons/day Design Capacity: ≤ 58,900,000 yd^3 (cumulative amount of all solid waste) Decomposable Wastes: ≤ 47,100,000 tons (cumulative amount of all decomposable wastes)	BAAQMD Condition # 19235, Part 22a	P/D	Records
Contaminated Soil Disposal Rate	BAAQMD Condition # 19235, Part 21g	Y		6000 tons per day	BAAQMD Condition # 19235, Part 21m	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-116.1	Y		1 cubic yard per project	BAAQMD Condition # 19235, Part 21m	P/E	Records
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-116.2	Y		8 cubic yards per project, provided organic content ≤ 500 ppmw and limited to 1 exempt project per 3 month period	BAAQMD 8-40-116.2 and BAAQMD Condition # 19235, Part 21m	P/E	Records
Amount of Accidental Spillage	BAAQMD 8-40-117	Y		Soil Contaminated by Accidental Spillage of ≤ 5 gallons of Liquid Organic Compounds	BAAQMD Condition # 19235, Part 21m	P/E	Records
Total Aeration Project Emissions	BAAQMD 8-40-118	Y		150 pounds per project and toxic air contaminant emissions per year <BAAQMD Table 2-1-316 limits	BAAQMD Condition # 19235, Part 21m	P/E	Records
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-301 and BAAQMD Condition # 19235, Part 21k	Y		Prohibited for Soil with Organic Content >50 ppmw unless exempt per BAAQMD 8-40-116, 117, or 118	BAAQMD Condition # 19235, Part 21m	P/E	Records
Contaminated Soil Handling	BAAQMD Condition # 19235, Part 21e	Y		Limited to 2 on-site transfers per lot of contaminated soil	BAAQMD Condition # 19235, Part 21m	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL WITH LANDFILL GAS COLLECTION SYSTEM AND A-15 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Contaminated Soil On-Site Storage Time	BAAQMD Condition # 19235, Part 21f	Y		For Soil with < 500 ppmw of VOC: ≤ 90 days from receipt and For Soil with ≥ 500 ppmw of VOC: ≤ 45 days from receipt	BAAQMD Condition # 19235, Part 21m	P/E	Records
Paved Road Lengths	BAAQMD Condition # 20459	Y	At Permit Holder's Discretion	Road A: Perimeter Road: 9030 feet Road B: Scale to Wye: 2420 feet Road C: Composting Road: 3405 feet	BAAQMD Condition # 20828, Part 4	P/E	Records
Paved Road Cleaning Frequency	BAAQMD Condition # 20828, Part 1	Y	Upon Completion of Road Paving	At Least Once Per Week	BAAQMD Condition # 19235, Part 22f	P/E, M	Records of all site watering and road cleaning events
Average Silt Loading	BAAQMD Condition # 20828, Part 2	Y	Upon Completion of Road Paving	≤ 7.4 grain/m^2	BAAQMD Condition # 20828, Part 2	P/Q	Collection and Analysis of Road Surface Dust
Vehicle Miles Traveled (VMT)	BAAQMD Condition # 20828, Part 3	Y	Upon Completion of Road Paving	VMT/Year Road A: 122,315 Road B: 285,419 Road C: 82,545	BAAQMD Condition # 20828, Part 4	P/M	Records
Average Vehicle Weight	BAAQMD Condition # 20828, Part 3	Y	Upon Completion of Road Paving	Tons Road A: 15.95 Road B: 25.06 Road C: 28.50	BAAQMD Condition # 20828, Part 4	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE
S-7 GAS TURBINE
A-6 FOGGING SYSTEM
A-7 FOGGING SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		240 hours/year and 5 consecutive days	BAAQMD 8-34-501.2	P/D	Operating Records
Startup Shutdown or Mal-function Pro-cedures	40 CFR 63.6(e)	Y		Minimize Emissions by Implementing SSM Plan	40 CFR 63.1980(a-b)	P/E	Records (all occurrences, duration of each, corrective actions)
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors
Contin-uous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE
S-7 GAS TURBINE
A-6 FOGGING SYSTEM
A-7 FOGGING SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC (Total Organic Com-pounds Plus Methane)	BAAQMD 8-34-301.2	Y		Component Leak Limit: 1000 ppmv as methane	BAAQMD 8-34-501.6 and 503	P/Q	Quarterly Inspection of control system components with Portable Analyzer and Records
Non-Methane Organic Com-pounds (NMOC)	BAAQMD 8-34-301.4	Y		98% removal by weight OR < 120 ppmv, dry basis @ 3% O_2, expressed as methane	BAAQMD 8-34-412 and 501.4	P/A	Annual Source Tests and Records
~~NMOC~~	~~BAAQMD Condition # 18773, Part 3~~	~~Y~~		~~< 120 ppmv, dry basis @ 3% O_2, expressed as methane~~	~~BAAQMD Condition # 18773, Parts 11-12~~	~~P/A~~	~~Annual Source Tests and Records~~
Combus-tion Chamber Discharge Temper-ature (CCDT)	BAAQMD Condition # 18773, Part 9	Y		~~1120~~ **855** °F ≤ CCDT ≤ 1220 °F averaged over any 3-hour period	BAAQMD 8-34-501.11 and 509 and BAAQMD Condition # 18773, Part 9	C	Temperature Sensor and Recorder
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 minutes/hour	None	N	NA
FP	BAAQMD 6-310	Y		≤ 0.15 grains/dscf	None	N	NA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE
S-7 GAS TURBINE
A-6 FOGGING SYSTEM
A-7 FOGGING SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours	None	N	NA
SO_2	BAAQMD 9-1-302	Y		≤ 300 ppm (dry basis)	BAAQMD Condition # 18773, Part~~s~~ 10~~-12~~	P/M**, A**	Sulfur Analysis of Landfill Gas and Records
SO_2	40 CFR 60.333(a)	Y		0.015% by volume, at 15% O_2, dry basis	BAAQMD Condition # 18773, Part~~s~~ 10~~-12~~	P/M**, A**	Sulfur Analysis of Landfill Gas and Records
Fuel Sulfur Content	40 CFR 60.333(b)	Y		≤ 0.8% sulfur by weight **(≤ 8000 ppmw)**	40 CFR 60.334(b)(2) and BAAQMD Condition # 18773, Part~~s~~ 10~~-12~~	P/M**, A**	~~Monthly~~ **Sulfur** Analysis of Fuel (LFG) and Records
Fuel Sulfur Content	**BAAQMD Condition # 18773, Part 10**	**Y**		**≤ 150 ppmv of TRS (expressed as H_2S) in landfill gas**	**BAAQMD Condition # 18773, Part 10**	**P/M, A**	**Sulfur Analysis of Landfill Gas and Records**
H_2S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: ≤ 0.06 ppm, averaged over 3 minutes and ≤ 0.03 ppm, averaged over 60 minutes	None	N	NA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE
S-7 GAS TURBINE
A-6 FOGGING SYSTEM
A-7 FOGGING SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NO_x	BAAQMD 9-9-301.1	Y		≤ 42 ppmv, at 15% O_2, dry basis	BAAQMD Condition # 18773, Part~~s~~ 11~~-12~~	P/A	Annual Source Tests ~~and Records~~
NO_x	40 CFR 60.332 (a)(2)	Y		STD = 0.015*14.4/Y + F STD = % NOx (by volume at 15% O_2, dry) For S-6 and S-7: Y = 14.4 (max) and F = 0.0 STD = .015 % or 150 ppmv, at 15% O_2, dry basis	40 CFR 60.334(a) (applies only when turbines are using A-6 or A-7 to control NOx emissions) ~~and 40 CFR 60.334(b)(2)~~ and BAAQMD Condition # 18773, Parts **9 and** 11~~-12~~	C ~~and N~~ and **C and** P/A	Records of Fuel Consump-tion and Water-Fuel Ratio ~~and None (until EPA approves a test method)~~ and **Temperatu re Sensor and Recorder and** Annual Source Tests ~~and Records~~
NO_x	BAAQMD Condition # 18773, Part 1	Y		~~≤ 42 ppmv, at 15% O_2, dry basis~~ **≤ 0.1567 pounds of NO_x (calculated as NO_2) per MM BTU**	BAAQMD Condition # 18773, Part~~s~~ 11~~-12~~	P/A	Annual Source Tests ~~and Records~~

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE
S-7 GAS TURBINE
A-6 FOGGING SYSTEM
A-7 FOGGING SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition # 18773, Part 2	Y		~~≤ 128 ppmv, at 15% O_2, dry basis~~ **≤ 0.2229 pounds of CO per MM BTU**	BAAQMD Condition # 18773, Part~~s~~ 11~~, 12~~	P/A	Annual Source Tests ~~and Records~~
Heat Input	**BAAQMD Condition # 18773, Part 8**	**Y**		**For Each Turbine: < 1,378 MM BTU / day and For Both Turbines: < 838,480 MM BTU / year**	**BAAQMD Regulation 8-34-508 and BAAQMD Condition # 18773, Part 8**	**C, P/M**	**Gas Flow Meter and Records**

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S-19 TRANSFER TANK WITH SIPHON PUMP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Com-pounds	BAAQMD 8-8-301.1	Y		solid, gasketed, fixed cover with no cracks or gaps greater than 0.32 cm (0.125 inches)	BAAQMD 8-8-301.1 and 8-8-503	P/E	Semi-Annual Visual Inspections and Records
Organic Com-pounds	BAAQMD 8-8-303 and 8-8-204	Y		all gauging and sampling devices shall have vapor tight covers, seals, or lids, where vapor tight means $\leq$ 500 ppmv of POC, expressed as CH_4, measured 1 cm from source	BAAQMD 8-8-301.1 and 8-8-503	P/E	Semi-Annual Visual Inspections and Records
Through-put Limit	BAAQMD Condition # 20774, Part 1	Y		Total of All Liquids: 1,576,800 gallons per 12-month period	BAAQMD Condition # 20774, Parts 2 and 4	P/C	Flow Meter and Records
Through-put Limit	BAAQMD Condition # 20774, Part 2	Y		Waste Material from Siphon Pump: 20,750 gallons per 12-month period	BAAQMD Condition # 20774, Part 4	P/M	Monthly Records of Collected Waste

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		240 hours/year and 5 consecutive days	BAAQMD 8-34-501.2	P/D	Operating Records
Startup Shutdown or Mal-function Pro-cedures	40 CFR 63.6(e)	Y		Minimize Emissions by Implementing SSM Plan	40 CFR 63.1980(a-b)	P/E	Records (all occurrences, duration of each, corrective actions)
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors (for gas flow and temperature)
Contin-uous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC (Total Organic Com-pounds Plus Methane)	BAAQMD 8-34-301.2	Y		Component Leak Limit: 1000 ppmv as methane	BAAQMD 8-34-501.6 and 503 and BAAQMD Condition # 19237, Part 11d	P/Q	Quarterly Inspection of control system components with Portable Analyzer and Records
Non-Methane Organic Com-pounds (NMOC)	BAAQMD 8-34-301.4 and BAAQMD Condition # 19237, Part 8	Y		98% removal by weight OR < 120 ppmv, dry basis @ 3% O_2, expressed as methane	BAAQMD 8-34-412 and 501.4 and BAAQMD Condition # 19237, Parts 10-11	P/A	Annual Source Tests and Records
Corrected CO Concen-tration	BAAQMD Condition # 19237, Part 9	Y		≤ ~~215~~**330** ppmv of CO at 15% O_2, dry basis	BAAQMD 8-34-501.11 and 509 and BAAQMD Condition # 19237, Part 9	P / D, W, or M	Daily, Weekly, or Monthly Measure-ment of CO and O_2 in Engine Exhaust Using a Portable Flue Gas Analyzer
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 minutes/hour	None	N	NA
FP	BAAQMD 6-310	Y		≤ 0.15 grains/dscf	None	N	NA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours	None	N	NA
SO_2	BAAQMD 9-1-302	Y		≤ 300 ppm (dry basis)	BAAQMD Condition # 18773, Parts ~~5~~ 10~~-12~~	P/M	Sulfur Analysis of Landfill Gas and Records
H_2S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: ≤ 0.06 ppm, averaged over 3 minutes and ≤ 0.03 ppm, averaged over 60 minutes	None	N	NA
NO_x	BAAQMD 9-8-302.1	Y		Waste Fuel Gas, Lean-Burn ≤ 140 ppmv, dry basis @ 15% O_2	BAAQMD Condition # 19237, Parts 11-12	P/A	Annual Source Tests and Records
NO_x	BAAQMD Condition # 19237, Part 6	Y		≤ 36 ppmv, at 15% O_2, dry basis, unless emissions ≤ 0.6 grams / bhp-hour (calculated as NO_2)	BAAQMD Condition # 19237, Parts 11-12	P/A	Annual Source Tests and Records
CO	BAAQMD 9-8-302.3	Y		Waste Fuel Gas: ≤ 2000 ppmv, dry basis @ 15% O_2	BAAQMD Condition # 19237, Parts 11-12	P/A	Annual Source Tests and Records
CO	BAAQMD Condition # 19237, Part 7	Y		≤ 36 ppmv, at 15% O_2, dry basis, unless emissions ≤ 0.6 grams / bhp-hour	BAAQMD Condition # 19237, Parts 11-12	P/A	Annual Source Tests and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-23 INTERNAL COMBUSTION ENGINE
S-24 INTERNAL COMBUSTION ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Heat Input	BAAQMD Condition # 19237, Part 2	Y		$\leq$ 420 MM BTU per day (for each engine) and $\leq$ 153,300 MM BTU/year (for each engine)	BAAQMD 8-34-501.10 and 508 and BAAQMD Condition # 19237, Parts 3, 4, 11	C, P/D,M	Gas Flow Meter and Recorder (every 15 minutes), Daily Methane Measure-ment Using a GC, Monthly Calcula-tions, and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S-25 LIQUEFIED NATURAL GAS PLANT
S-26 LIQUEFIED NATURAL GAS PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		240 hours/year and 5 consecutive days	BAAQMD 8-34-501.2	P/D	Operating Records
Startup Shutdown or Malfunction Procedures	40 CFR 63.6(e)	Y		Minimize Emissions by Implementing SSM Plan	40 CFR 63.1980(a-b)	P/E	Records (all occurrences, duration of each, corrective actions)
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-301.2	Y		Component Leak Limit: 1000 ppmv as methane	BAAQMD 8-34-501.6 and 503	P/Q	Quarterly Inspection of control system components with Portable Analyzer and Records
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-301.4	Y		98% removal by weight OR < 120 ppmv, dry basis @ 3% O_2, expressed as methane	BAAQMD 8-34-412 and 501.4 and BAAQMD Condition # 19238, Parts 2, 3, 5	P/E	Control Requirements, Source Test, and Records
NMOC	BAAQMD Condition # 19238, Part 2	Y		No Detectable NMOC in CO_2 Exhaust Stream, where < 5 ppmv is considered non-detectable	BAAQMD Condition # 19238, Part 5	P/every 5 years	Source Test and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S-25 LIQUEFIED NATURAL GAS PLANT
S-26 LIQUEFIED NATURAL GAS PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H_2S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: ≤ 0.06 ppm, averaged over 3 minutes and ≤ 0.03 ppm, averaged over 60 minutes	None	N	NA
Production Rate	BAAQMD Condition # 19238, Part 1	Y		7000 gallons per day (from each LNG Plant) and 2,555,000 gallons per year (from each LNG Plant)	BAAQMD Condition # 19238, Part 4	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~FE~~
Applicable Limits and Compliance Monitoring Requirements
S-99 NON-RETAIL GASOLINE DISPENSING FACILITY

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Through-put	BAAQMD Condition # 20813, Part 1	Y		≤ 8,100 gallons per 12-month period	BAAQMD 8-5-501.1 and 8-7-503.1 and BAAQMD Condition # 20813, Part 2	P/A,M	Records
Through-put (exempt from Phase I)	BAAQMD 8-7-114	Y		1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501 and 8-7-503.2	P/E	Records
Organic Com-pounds	BAAQMD 8-7-301.2	Y		All Phase I Systems Shall Meet the Emission Limitations of the Applicable CARB Certification	CARB EO G-70-116-F	P/E	CARB Certification Procedures
Organic Com-pounds	BAAQMD 8-7-301.6	Y		All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤3 drops/minute) and vapor tight	CARB EO G-70-116-F, paragraph 19 and BAAQMD 8-7-301.13 and 8-7-407 and BAAQMD Condition # 16516	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~FE~~
Applicable Limits and Compliance Monitoring Requirements
S-99 NON-RETAIL GASOLINE DISPENSING FACILITY

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Com-pounds	BAAQMD 8-7-302.5	Y		All Phase II Equipment (except components with allowable leak rates or at the nozzle/fill-pipe interface) Shall Be: leak free (≤3 drops/minute) and vapor tight	CARB EO G-70-116-F, paragraph 19 and BAAQMD 8-7-301.13 and 8-7-407 and BAAQMD Condition # 16516	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Com-pounds	CARB EO G-70-116-F, paragraph 10	N		Any Emergency Vent or Manway Shall Be: leak free	CARB EO G-70-116-F, paragraph 19 and BAAQMD 8-7-301.13 and 8-7-407 and BAAQMD Condition # 16516	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Defective Com-ponent Records Repair/ Replace-ment Time Limit	BAAQMD 8-7-302.4	Y		7 days	BAAQMD 8-7-503.2	P/E	Records
Liquid Removal Rate	BAAQMD 8-7-302.8	Y		≥ 5 ml per gallon dispensed, when dispensing rate > 5 gallons/minute	CARB EO G-70-116-F	P/E	CARB Certification Procedures

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~FE~~
Applicable Limits and Compliance Monitoring Requirements
S-99 NON-RETAIL GASOLINE DISPENSING FACILITY

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Liquid Retain from Nozzles	BAAQMD 8-7-302.12	Y		100 ml per 1000 gallons dispensed	CARB EO G-70-116-F	P/E	CARB Certification Procedures
Nozzle Spitting	BAAQMD 8-7-302.13	Y		1.0 ml per nozzle per test	CARB EO G-70-116-F	P/E	CARB Certification Procedures
Pressure-Vacuum Valve Settings	BAAQMD 8-7-316 and CARB EO G-70-116-F, paragraph 14	Y		Pressure Setting: 2.5 inches of water, gauge	CARB EO G-70-116-F	P/E	CARB Certification Procedures
Pressure-Vacuum Valve Settings	BAAQMD 8-5-303.1	Y		Pressure Setting: 10% of maximum working pressure or at least 0.5 psig	CARB EO G-70-116-F	P/E	CARB Certification Procedures
Discon-nection Liquid Leaks	CARB EO G-70-116-F, paragraph 12	N		10 ml per disconnect, averaged over 3 disconnect operations	CARB EO G-70-116-F, paragraph 19 and BAAQMD 8-7-301.13 and 8-7-407 and BAAQMD Condition # 16516	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~GF~~
Applicable Limits and Compliance Monitoring Requirements
S-140 SBR 1, AERATED BIOLOGICAL REACTOR
S-141 SBR 2, AERATED BIOLOGICAL REACTOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Total Carbon	BAAQMD 8-2-301	Y		15 Pounds/Day or 300 ppm, dry basis	BAAQMD Condition # 20922, Parts 4-5	P/D,M,Q	Daily Operating Rate Records, Monthly Wastewater Throughput Records, and Quarterly VOC Content Analyses
Waste-water Through-put	BAAQMD Condition # 20922, Parts 1-2	Y		34,150 gallons per day and 8,993,000 gallons per 12-month period	BAAQMD Condition # 20922, Part 5	P/D,M	Daily Operating Rate Records and Monthly Wastewater Throughput Records
VOC in Waste-water	BAAQMD Condition # 20922, Parts 1-2	Y		$\underline{\leq}$ 40 ppmw (weighted average of quarterly wastewater samples) and < 11 ppmw (annual average for any 4 consecutive quarters)	BAAQMD Condition # 20922, Parts 4-5	P/Q	Quarterly VOC Content Analyses and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~GF~~
Applicable Limits and Compliance Monitoring Requirements
S-140 SBR 1, AERATED BIOLOGICAL REACTOR
S-141 SBR 2, AERATED BIOLOGICAL REACTOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Toxic Compound Concentration Limits for Wastewater	BAAQMD Condition # 20922, Part 3	N		Compound ≤ ppbw Benzene 80 Chloroform 470 1,4 Dichlorobenzene 230 Methylene Chloride 2530 Naphthalene 3590 Perchloroethylene 430 Trichloroethylene 1290 Vinyl Chloride 30	BAAQMD Condition # 20922, Parts 4-5	P/Q	Quarterly VOC Content Analyses and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~HG~~
Applicable Limits and Compliance Monitoring Requirements
S-190 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT WWTP)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303	Y		Ringelmann No. 2 for < 3 minutes/hour	None	N	NA
FP	BAAQMD 6-310	Y		≤ 0.15 grains/dscf	None	N	NA
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours	None	N	NA
SO_2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit: 0.5%	BAAQMD Condition # 20800, Part 3e	P/E	Vendor Certification
Operating Hours	BAAQMD 9-8-330.2 and BAAQMD Condition # 20800, Part 1	N		Operating Hours for Reliability-Related Activities: ≤ 100 hours in a calendar year	BAAQMD 9-8-530 and BAAQMD Condition # 20800, Parts 2 and 3a-d	P/C, M	Meter to Record either Operating Hours or Fuel Usage and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~I~~H
Applicable Limits and Compliance Monitoring Requirements
S-191 DIESEL ENGINE (FOR PRIMARY WATER PUMP)
S-192 DIESEL ENGINE (FOR BOOSTER WATER PUMP)
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)
S-197 DIESEL ENGINE (FOR PORTABLE GENERATOR AT BREAK TRAILER)
S-198 DIESEL ENGINE (FOR VACUUM TRUCK PUMP)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303	Y		Ringelmann 2.0 for 3 minutes in any hour	None	N	NA
FP	BAAQMD 6-310	Y		$\leq$ 0.15 grains/dscf	None	N	NA
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: $\leq$ 0.5 ppm for 3 minutes and $\leq$ 0.25 ppm for 60 min. and $\leq$0.05 ppm for 24 hours	None	N	NA
Liquid Fuel Sulfur Content	BAAQMD 9-1-304	Y		Fuel Sulfur Limit: 0.5%	BAAQMD Condition # 20801, Part 2d	P/E	Vendor Certification
Fuel Usage	BAAQMD Condition # 20801, Part 1	Y		S-191 28,908 gallons/year S-192 28,908 gallons/year S-193 62,196 gallons/year S-197 34,690 gallons/year S-198 75,336 gallons/year	BAAQMD Condition # 20801, Part 2	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~JI~~
Applicable Limits and Compliance Monitoring Requirements
S-194 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT FLARE STATION)
S-195 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT MAINTENANCE FACILITY)
S-196 DIESEL ENGINE (FOR EMERGENCY STANDBY GENERATOR AT SCALE HOUSE)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-303	Y		Ringelmann No. 2 for < 3 minutes/hour	None	N	NA
FP	BAAQMD 6-310	Y		$\leq$ 0.15 grains/dscf	None	N	NA
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: $\leq$ 0.5 ppm for 3 minutes and $\leq$ 0.25 ppm for 60 min. and $\leq$0.05 ppm for 24 hours	None	N	NA
SO_2	BAAQMD 9-1-304	Y		Fuel Sulfur Limit: 0.5%	BAAQMD Condition # 20812, Part 3e	P/E	Vendor Certification
Operating Hours	BAAQMD 9-8-330.2 and BAAQMD Condition # 20812, Part 1	N		Operating Hours for Reliability-Related Activities: $\leq$ 100 hours in a calendar year	BAAQMD 9-8-530 and BAAQMD Condition # 20812, Parts 2 and 3a-d	P/C, M	Meter to Record either Operating Hours or Fuel Usage and Records

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate, or for combustion equipment: EPA Reference Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-311	Process Weight Rate Based Emissions Limits	Manual of Procedures, Volume IV, ST-15, Particulates Sampling, or Calculate Emissions in Accordance with EPA AP-42 Procedures
BAAQMD 8-2-301	Organic Compound Emission Limitation for Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A
BAAQMD 8-7-301.6	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.5	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.8	Liquid Removal Rate	Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility Liquid Removal Devices or ARB Test Method TP-201.6 Determination of Liquid Removal of Vapor Recovery Systems of Dispensing Facilities
BAAQMD 8-7-302.12	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet)

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-7-302.13	Nozzle Spitting	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet)
BAAQMD 8-8-603	POC Leaks	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.2	Collection and Control System Leak Limitations	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.3	Limits for Flares	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
BAAQMD 8-34-303	Landfill Surface Requirements	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-305.1	Wellhead Gauge Pressure	APCO Approved Device
BAAQMD 8-34-305.2	Wellhead Temperature	APCO Approved Device
BAAQMD 8-34-305.3	Wellhead Nitrogen	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-305.4	Wellhead Oxygen	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-412	Compliance Demonstration Test	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
BAAQMD 8-40-301	Limits on Uncontrolled Aeration of Contaminated Soil	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21
BAAQMD 9-1-301	Limitations on Ground Level Concentrations (SO_2)	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-1-302	General Emission Limitation (SO_2)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling
BAAQMD 9-1-304	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-2-301	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-8-302.1	Waste Derived Fuel Gas NO_x Limits for Lean Burn Engines	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.3	Waste Derived Fuel Gas CO Limits	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-9-301.1	NO_x Limit for Gas Turbines	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
40 CFR 60.8	Performance Tests	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases**; AND** **EPA Reference Method 20, Measurement of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines, or ASTM D6522-00; AND** **ASTM D1072-80 or 90, D3246-81, 92, or 96, D4084-82 or 94, D4468-85, D5504-01, or D6228-98**
40 CFR 60.332(a)(2)	NO_x Limit for Gas Turbines	EPA Reference Method 20, Measurement of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines**, or ASTM D6522-00**
40 CFR 60.333(a)	SO_2 Limit for Gas Turbines	EPA Reference Method 20, Measurement of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
40 CFR 60.333(b)	Fuel Sulfur Content for Gas Turbines	ASTM D-1072-80 or 90, ~~D-3031-81,~~ D-4084-82 or 94, or D-3246-81, 92, or 96**, D4468-85, D5504-01, or D6228-98**
~~40 CFR 60.333(b)~~	~~Fuel Nitrogen Content for Gas Turbines~~	~~EPA Approved Analytical Methods and Procedures~~
BAAQMD Condition # 18773, Part 1	Gas Turbine NO_x Concentration Limit	Manual of Procedure, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 18773, Part 2	Gas Turbine CO Concentration Limit	Manual of Procedure, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
~~BAAQMD Condition # 18773, Part 3~~	~~Gas Turbine NMOC Concentration Limit~~	~~Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; OR EPA Reference Method 18, 25, 25A, or 25C~~
BAAQMD Condition # 18773, Part 9	Gas Turbine Combustion Chamber Discharge Temperature Limits	APCO Approved Device
BAAQMD Condition # 18773, Part 11	Gas Turbine Source Test	Manual of Procedure, Volume IV, ST-7, Organic Compounds, ST-13A, Oxides of Nitrogen, Continuous Sampling, ST-6, Carbon Monoxide, Continuous Sampling, ST-19A, Sulfur Dioxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; OR EPA Reference Method 18, 25, 25A, or 25C and Method 20
BAAQMD Condition # 19235, Part 4	Flare Heat Input Limit	APCO approved gas flow meter and APCO approved calculation procedure described in BAAQMD Condition # 19235, Part 13
BAAQMD Condition # 19235, Part 7	Flare NO_x Emission Limit	Manual of Procedure, Volume IV, ST-13A, Oxides of Nitrogen, Continuous sampling and ST-14, Oxygen, Continuous sampling
BAAQMD Condition # 19235, Part 8	Flare CO Emission Limit	Manual of Procedure, Volume IV, ST-6, Carbon monoxide, Continuous sampling and ST-14, Oxygen, Continuous sampling
BAAQMD Condition # 19235, Part 10	Combustion Zone Temperature Limit for Flare	APCO Approved Device
BAAQMD Condition # 19235, Part 11	Landfill Gas Sulfur Compound Limits	Manual of Procedures, Volume III, Method 44 Determination of Reduced Sulfur Gases and Sulfur Dioxide in Effluent Samples by Gas Chromatographic Methods, or ASTM D 1072-80 or 90, D 3031-81, D 4084-82 or 94, or D 3246-81, 92, or 96
BAAQMD Condition # 19235, Part 12	Toxic Compound Concentration Limits in Landfill Gas	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
BAAQMD Condition # 19235, Part 13	Flare Source Test	Manual of Procedure, Volume IV, ST-7, Organic Compounds, ST-13A, Oxides of Nitrogen, Continuous Sampling, ST-6, Carbon Monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; OR EPA Reference Method 18, 25, 25A, or 25C and Method 20

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 19235, Part 14	Gas Characterization Test	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
BAAQMD Condition # 19235, Parts 20 and 21	VOC Concentration in Soils	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21
BAAQMD Condition # 19237, Part 2	Internal Combustion Engine Heat Input Limits	APCO approved gas flow meter, methane concentration measurement by gas chromatograph, and APCO approved calculation procedure described in BAAQMD Condition # 19237, Part 4
BAAQMD Condition # 19237, Part 6	Internal Combustion Engine NO_x Concentration Limit	Manual of Procedure, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 19237, Part 7	Internal Combustion Engine CO Concentration Limit	Manual of Procedure, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition # 19237, Part 9	Corrected CO Concentration Limit in Engine Exhaust	Testing frequency and procedures described in BAAQMD Condition # 19237, Part 9 using APCO approved portable flue gas analyzer to measure for CO and O_2 in engine exhaust
BAAQMD Condition # 19237, Part 10	Internal Combustion Engine Source Test	Manual of Procedure, Volume IV, ST-7, Organic Compounds, ST-13A, Oxides of Nitrogen, Continuous Sampling, ST-6, Carbon Monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; OR EPA Reference Method 18, 25, 25A, or 25C and Method 20
~~BAAQMD Condition # 19238, Part 2~~	~~NMOC Limit for CO_2 Exhaust Stream~~	~~Manual of Procedure, Volume IV, ST-7, Organic Compounds, OR EPA Reference Method 18, 25, or 25A~~
~~BAAQMD Condition # 19238, Part 5~~	~~Source Test on CO_2 Exhaust Stream~~	~~Manual of Procedure, Volume IV, ST-7, Organic Compounds, OR EPA Reference Method 18, 25, or 25A~~
BAAQMD Condition # 20828, Part 2	Silt Loading for Paved Roads	AP-42 Appendix C.1. Procedures for Sampling Surface/Bulk Dust Loading and Appendix C.2. Procedure for Laboratory Analysis of Surface/Bulk Dust Loading Samples

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 20922, Parts 1-3	Organic Compound Concentrations in Wastewater	EPA Method 8260B
CARB EO G-70-116-F, paragraph 10	Leak Free Emergency Vent or Manway	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
CARB EO G-70-116-F, paragraph 12	Disconnection Liquid Leaks for Phase I Systems	BAAQMD Enforcement Division, Policies and Procedures, Regulation 8, Rule 33, Bulk Gasoline Distribution Facilities and Gasoline Delivery Vehicles Guidelines, Section 5.B.1.

IX. PERMIT SHIELD

Not applicable.

X. REVISION HISTORY

Title V Permit Issuance (Application # 25828): **December 1, 2003**

Significant Revision (Application # 8324): **February 5, 2004**

- Modify Permit Condition # 19237, Parts 4, 9, 10, and 11 to revise monitoring procedures for the internal combustion engines (S-23 and S-24).
- Revise Tables IV-D, VII-D, and VIII to reflect revisions to Condition # 19237.
- Make minor corrections to requirements in Tables III, IV-A, IV-B, IV-D, and IV-E.

Minor Revision (Application # 9326): [insert approval date]

- **Revise minimum combustion chamber discharge temperature in Permit Condition # 18773, Part 9 and in Table VII-B.**

Significant Revision (Application # 8583): [insert approval date]

- **In Table II-A, add maximum firing capacity to the equipment descriptions for the S-6 and S-7 Gas Turbines.**
- **In accordance with the July 2004 amendments of 40 CFR Part 60, Subpart GG, delete the Custom Schedule of Compliance in Section V.B. Update citation references, monitoring requirements, and test methods in Tables IV-B, VII-B, and VIII.**
- **Amend the turbine NOx and CO emission limits in Section VI, Condition # 18773, Parts 1 and 2 and in Table VII-B. Revise the basis for Parts 1 and 2 in Table IV-B.**
- **Delete the turbine NMOC concentration limit from Section VI, Condition # 18773, Part 3 and from Tables IV-B and VII-B.**
- **Add daily and annual heat input limits for the turbines to Section VI, Condition # 18773, Part 8, and to Table IV-B and VII-B.**
- **Add the BACT fuel sulfur content limit for the turbines to Section VI, Condition # 18773, Part 10 and to Tables IV-B and VII-B.**
- **Clarify turbine source testing requirements and calculation procedures in Section VI, Condition**

X. Revision History

 # 18773, Part 11, and in Tables VII-B and VIII.

- **Correct citations in Tables IV-A, IV-B, IV-D, VII-A, VII-B, and VII-D.**
- **Change the Responsible Official to Mr. Ken Lewis pursuant to a July 20, 2004 petition from the facility.**
- **Update Section X, Revision History.**

Minor Revision (Application # 10013): [insert approval date]

- **For the S-23 and S-24 IC Engines, revise the maximum CO concentration (when measured using a portable analyzer) and the CO/NMOC correlation ratio in Condition # 19237, Parts 9 and 10g and in Table VII-D based on recent source test data, which showed compliance with the NMOC outlet concentration limit at a higher CO concentration and a higher correlation ratio.**
- **Delete the S-25 and S-26 LNG Plants from Table II, delete all of Tables IV-E and VII-E, delete Condition # 19238, and remove related test methods from Table VIII, because the LNG Plants were never installed and the Authority to Construct has expired.**
- **Revise Condition # 19235, Parts 2 and 16 and Condition # 19237, Part 1 to reflect the deletion of S-25 and S-26 from this permit but continue to allow for the possibility of landfill gas treatment in an off-site LNG Plant with on-site combustion of LNG Plant waste gas.**
- **Renumber Tables IV-F-J and VII-F-J as Tables IV-E-I and VII-E-I.**
- **Update Section X, Revision History.**

XI. GLOSSARY

ACT
Federal Clean Air Act

ALRRF
Altamont Landfill and Resource Recovery Facility

AP-42
An EPA Document "Compilation of Air Pollution Emission Factors" that is used to estimate emissions from numerous source types. It is available electronically from EPA's web site at: http://www.epa.gov/ttn/chief/ap42/index.html

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

ARB
Air Resources Board (same as CARB)

ASTM
American Society for Testing and Materials

ATC
Authority to Construct

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

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

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CARB
California Air Resources Board (same as ARB)

XI. Glossary

CCDT
Combustion Chamber Discharge Temperature (for gas turbines)

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.

CH4 or CH_4
Methane

CO
Carbon Monoxide

CO2 or CO_2
Carbon Dioxide

CT
Cylinder Temperature (for internal combustion engines)

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.

CZT
Combustion Zone Temperature (for flares)

District
The Bay Area Air Quality Management District

EG
Emission Guidelines

EO
Executive Order

EPA
The federal Environmental Protection Agency.

XI. Glossary

Excluded
Not subject to any District regulations.

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

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

GDF
Gasoline Dispensing Facility

H2S or H_2S
Hydrogen Sulfide

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

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

IC
Internal Combustion

LFG
Landfill gas

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

LNG
Liquefied Natural Gas. For this site, LNG is produced using a proprietary process that separates landfill gas into methane and carbon dioxide, removes non-methane organic compounds, and compresses the purified methane.

XI. Glossary

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

MAX or Max.
Maximum

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

MIN or Min.
Minimum

MOP
The District's Manual of Procedures.

MSW
Municipal solid waste

MW
Molecular weight

N2 or N_2
Nitrogen

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

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

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

XI. Glossary

NOx or NO_x
Oxides of nitrogen.

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

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

O2 or O_2
Oxygen

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

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

POC
Precursor Organic Compounds

PM
Particulate Matter

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

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

PTO
Permit to Operate

XI. Glossary

PV or P/V Valve
Pressure/Vacuum Valve

RMP
Risk Management Plan

RWQCB
Regional Water Quality Control Board

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 or SO_2
Sulfur dioxide

SSM
Startup, Shutdown, or Malfunction

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

THC
Total Hydrocarbons (NMHC + Methane)

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

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

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Policy

XI. Glossary

TRS
Total Reduced Sulfur

TSP
Total Suspended Particulate

VMT
Vehicle Miles Traveled

VOC
Volatile Organic Compounds

WM
Waste Management

Symbols:

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

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
BTU	=	British Thermal Unit
°C	=	degrees Centigrade
cfm	=	cubic feet per minute
dscf	=	dry standard cubic feet
°F	=	degrees Fahrenheit
ft^3	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
gr	=	grains
hp	=	horsepower
hr	=	hour
lb	=	pound
lbmol	=	pound-mole
in	=	inches
m^2	=	square meter

XI. Glossary

m^3	=	cubic meters
min	=	minute
mm	=	millimeter
MM	=	million
MM BTU	=	million BTU
MMcf	=	million cubic feet
Mg	=	mega grams
ppb	=	parts per billion
ppbv	=	parts per billion, by volume
ppm	=	parts per 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
scf	=	standard cubic feet
scfm	=	standard cubic feet per minute
sdcf	=	standard dry cubic feet
sdcfm	=	standard dry cubic feet per minute
yd	=	yard
yd^3	=	cubic yards
yr	=	year

XII. 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