Bay Area Air Quality Management District

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

Final

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
Mr. Ken Lewis
District Manager
925-455-7350

Facility Contact
Mr. Ken Lewis
District Manager
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

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

October 9, 2008
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	Active, Class II, solid waste disposal site that accepts municipal, commercial, industrial, construction, and designated/special wastes (industrial and sewage sludge and contaminated soils)		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)
	Landfill Gas Collection System	active		84 vertical wells 1 horizontal collector 1 leachate collection riser
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

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-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 52,400 gallons/day
S-141	SBR 2, aerated biological reactor	Peabody TecTank	API 12BPRINC	144,300 gallon capacity, 500 cfm of air, and 52,400 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-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
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

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-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.	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)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (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

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Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
California Code of Regulations Title 17, Section 93105	Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations (7/26/01)	N
California Code of Regulations Title 17, Section 93106	Asbestos Airborne Toxic Control Measure for Asbestos-Containing Serpentine (7/20/00)	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 (4/9/04)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (6/9/03)	
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 (7/19/06)**		
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]	

IV. Source-Specific Applicable Requirements

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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 (7/20/05)**		
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 (6/15/05)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-116	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

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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 (except for wells identified in Condition # 19235, Part 1d(ii))	Y	
8-34-305.3	Nitrogen < 20% or	Y	
8-34-305.4	Oxygen < 5%	Y	
8-34-404	Less Than Continuous Operation Petition	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	

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
8-34-413	Performance Test Report	Y	
8-34-414	Repair Schedule for Wellhead Excesses	Y	
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	

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
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-505	Well Head Monitoring	Y	
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 (6/15/05)**		
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	

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 11, Rule 2	**Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (10/7/98)**		
11-2-301	Prohibited Operations	N	
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	

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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
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (6/13/07)**		
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 $\geq$ 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	

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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
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	
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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)**		
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 (5/16/07)**		
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 (4/20/06)**		
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	

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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
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 # 19235			
Part 1	Landfill Gas Collection System Description and Operating Requirements (Regulations 8-34-301.1, 8-34-303, 8-34-304, and 8-34-305, 8-34-404, and 8-34-414)	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	

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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
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	
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	

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

IV. Source-Specific Applicable Requirements

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

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	

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

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 (7/8/04)**		
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 $\geq$ 50 MG/year	Y	
40 CFR Part 60, Subpart GG	**Standards of Performance for Stationary Gas Turbines (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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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(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(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)	Performance test requirements	Y	
60.335(b)	Acceptable reference methods, procedures, and corrections	Y	
60.335(c)	Alternative to reference methods and procedures	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)**		
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	

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Source-Specific Applicable Requirements
S-6 GAS TURBINE WITH A-6 FOGGING SYSTEM AND S-7 GAS TURBINE WITH A-7 FOGGING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 # 18773			
Part 1	NOx emission limit (Cumulative Increase and Regulation 2-1-301)	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	CO emission limit (Cumulative Increase and Regulation 2-1-301)	Y	
Part 3	Deleted		
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(h)(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 60.335)	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]	
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	

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(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 – 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 Condition # 19237			
Part 1	Fuel Restrictions (Cumulative Increase)	Y	
Part 2	Heat Input Limits (Offsets and Cumulative Increase)	Y	
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-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 – 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 – 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 – F
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 Throughput, Concentration, and Emission Limits (Regulation 2-1-403: Keep Emissions Below BACT Trigger)	Y	
Part 2	Annual Throughput, Concentration, and Emission Limits (Offsets)	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 (Offsets and Toxic Risk Management Policy)	Y	
Part 5	Record Keeping Requirements and Emission Calculation Procedures (Offsets and Toxic Risk Management Policy)	Y	
Part 6	Permit Condition Effective Date (Regulation 2-1-403)	Y	

IV. Source-Specific Applicable Requirements

Table IV – 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 – H
Source-Specific Applicable Requirements
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 – I
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

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

VI. PERMIT CONDITIONS

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

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 0.1567 pounds of NO_x (calculated as NO_2) per MM BTU.
(Basis: Cumulative Increase and Regulation 2-1-301)

2. Carbon monoxide (CO) emissions from each Gas Turbine (S-6 and S-7) shall not exceed 0.2229 pounds of CO per MM BTU.
(Basis: Cumulative Increase and Regulation 2-1-301)

3. 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. 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)

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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 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(h)(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(h)(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, and 8 above; and 40 CFR 60.332(a)(2); 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 determine the following:
    a. landfill gas flow rate to each gas turbine (dry basis);

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

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;
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 60.335)

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, unless the Permit Holder complies with all applicable provisions of Regulation 8, Rule 34, Section 113. Individual 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, or with Part 1c below. The gas collection system shall also be operated in accordance with the wellhead requirements described in Part 1d. (Basis: Regulations 8-34-301.1, 8-34-303, 8-34-304, 8-34-305, and 8-34-404)
    a. The Permit Holder has been issued a Permit to Operate for the landfill gas collection system components listed below as of July 1, 2008. Well and collector locations are as described in detail in Permit Application #16863.
        i. The authorized number of landfill gas collection system components is the baseline count listed below plus any components installed and minus any components decommissioned pursuant to subpart 1b, as evidenced by start-up and decommissioning notification letters submitted to the District.
            - 84 vertical wells
            - 1 horizontal trench collector (shredded tires may be used as fill material)
            - 1 leachate collection system clean-out riser
    b. The Permit Holder has been issued an Authority to Construct to allow for the landfill gas collection system alterations described below pursuant to Permit Application # 16863. All collection system alterations shall comply with subparts 1b(i-vii) below.
        i. The authorized collection system alterations are:
            - Install up to 38 vertical wells
            - Permanently decommission up to 19 vertical wells
            - Install up to 25 horizontal trench collectors
            - Permanently decommission up to 4 horizontal trench collectors

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

- 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.

ii. The Permit Holder shall apply for and receive an Authority to Construct before altering the landfill gas collection components described subpart 1a. Installing, altering, or permanently decommissioning a vertical well, horizontal collector, or other gas collection component is subject to the Authority to Construct requirement, unless this change constitutes a replacement as defined in subpart 1b(iii) below.

iii. Replacement of landfill gas collection system components with identical or functionally equivalent components will not be deemed an alteration and will not subject to the Authority to Construct requirement under the following circumstances. If a well or collector will be shut down and replaced by a new well or collector in essentially the same location as the old component and this decommission/installation will be accomplished in accordance with Regulations 8-34-117 and 8-34-118, then this activity shall be considered a component replacement that is not subject to the Authority to Construct requirement. For each individual well or collector replacement, this subpart authorizes a maximum vacuum disconnection time of five consecutive days for compliance with Regulation 8-34-117.5. The disconnected component and the new component shall not be counted toward the subpart 1b(i) limits; the numbers of replacement wells and replacement collectors are not limited. Alterations, repairs, or replacements of non-perforated piping sections (such as risers, laterals, or header pipes), piping connectors, or valves are not subject to the Authority to Construct requirement.

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

iv. At least three days prior to initiating operation of a well or collector installed pursuant to subpart 1b, the Permit Holder shall submit a start-up notice to the District that contains the component ID number for each new well or collector and the anticipated initial start-up date for each new component.

v. For each well or collector that is permanently decommissioned after [insert date of approval of this condition change], the Permit Holder shall submit a decommissioning notice to the District within no later than three working days after the component was disconnected from vacuum system. This decommissioning notice shall contain the component ID for each well or collector that was decommissioned, the date and time that each component was disconnected from the vacuum system, and the reason the component was decommissioned.

vi. Within six months of installing a new component or permanently decommissioning an existing component, the Permit Holder shall prepare an updated map of the landfill gas collection system that identifies the ID numbers and locations of all operable wells and collectors. On this map or in accompanying documentation, the Permit Holder shall summarize all component changes that were made since the last map was prepared. The previous collection system map, the updated collection system map, and the component change summary shall be provided to District staff upon request.

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

vii. If the Permit Holder has a net reduction (number of decommissioned components minus the number of installed components) of more than five components within a 120-day period, the Permit Holder shall submit a more comprehensive decommissioning notice to the District. In addition to the information required by subpart 1b(v), this comprehensive decommissioning notice shall include the maps and documentation required by subpart 1b(vi), shall identify all component changes that have occurred but that are not included on the most recently updated map, shall identify any components that are temporarily disconnected from vacuum pursuant to subpart 1c, shall provide estimated vacuum reconnection dates for these components, shall include a list of all well installations that are expected to occur within the next 120 days, and shall discuss the reasons why this reduction in gas collection components is not expected to result in surface emission leaks. Upon request, the Permit Holder shall provide wellhead monitoring data, surface leak monitoring data, records of repair attempts made to date, and other information to support the need for a net collection component reduction of more than five wells. The District may require additional surface monitoring to verify that this net component reduction is not causing landfill surface leaks. The District will notify the Permit Holder in writing of any additional surface monitoring that is required pursuant to this subpart.

c. The Permit Holder may temporarily disconnect individual wells or collectors from the vacuum system, provided that all requirements of this subpart are satisfied. (Basis: Regulation 8-34-404)

i. No more than five (5) landfill gas collection system components (wells or collectors) may be temporarily disconnected from the vacuum system at any one time pursuant to subpart 1c.

ii. For each individual well or collector that is disconnected from the vacuum system pursuant to subpart 1c, the total vacuum system disconnection time shall not exceed 120 days during any 12-month period.

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

iii. Collection system components that are disconnected from the vacuum system are not subject to wellhead limits (Regulation 8-34-305 or Part 1d, as applicable) or monthly wellhead monitoring requirements (Regulation 8-34-505) during this vacuum disconnection time.

iv. Wells or collectors that are temporarily disconnected from the vacuum system continue to be subject to the component leak limit (Regulation 8-34-301.2) and the quarterly leak testing requirement (Regulation 8-34-503) at all times. In addition, the Permit Holder shall conduct the following component leak monitoring at each component that has been disconnected from the vacuum system pursuant to subpart 1c: test for component leaks using the procedures identified in Regulation 8-34-602 within 10 calendar days of disconnection from vacuum and again within 1 month of disconnection from vacuum. If a component leak is detected at the well, the Permit Holder shall take all steps necessary to reduce the leak below the applicable limit, including reconnecting the well to the vacuum system, if no other corrective action measures are successful within the time frames allowed by Rule 34.

v. For each well disconnection event, the Permit Holder shall record each affected well ID number, all well disconnection dates and times, all well reconnection dates and times, all related monitoring dates and monitoring results in a District approved log. This log shall also include an explanation of why the temporary well shut down was necessary and shall describe all adjustments or repairs that were made in order to allow this well to operate continuously, to reduce leaks, or to achieve compliance with an applicable limit. All records shall be retained for a minimum of five years and shall be made available to District staff upon request.

VI. Permit Conditions

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

d. Each landfill gas collection system component listed in Part 1a shall be operated in compliance with the wellhead limits of Regulation 8-34-305, unless an alternative wellhead limit has been approved for that component and the operator complies with all of the additional requirements identified in this subpart. Components that are subject to an alternative wellhead limit may still use the Regulation 8-34-414 repair schedule for operator discovered excesses of the alternative limit; however, invoking this repair schedule does not replace the monitoring requirements described in Parts 1d(ii-viii). (Basis: Regulations 8-34-305 and 8-34-414)

i. For each of the wells identified in Part 1d(ii), the Regulation 8-34-305.2 wellhead temperature limit does not apply, and the landfill gas temperature at each wellhead shall not exceed 145 degrees F.

ii. The wells that are subject to the Part 1d(i) alternative wellhead temperature limit are:
#40, #401, #403, #443, #444, #456, #457, and #458.
If any other component has a wellhead temperature of 131 degrees F or higher, the operator may elect to add this component to the above list of alternative temperature limit wells by satisfying all of the following requirements:
- The wellhead temperature shall not exceed 145 degrees F.
- The carbon monoxide (CO) concentration in the wellhead gases shall not exceed 500 ppmv.
- Prior to adding a component to the list in this subpart, the operator shall monitor the gas in the component for CO concentration at least two times, with no more than 15 days between tests. CO monitoring shall continue on a monthly basis, or more frequently if required by subparts 1d(iv-vii), until the operator is allowed to discontinue CO monitoring per subpart 1d(vii).
- The operator shall comply with all applicable monitoring and record keeping requirements in subparts 1d(iii-viii).
- The component shall not exceed any wellhead limit other than temperature and shall have had no excesses of wellhead limits (other than temperature) during the 120 days prior to adding this component to the list in this subpart.

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

- Within 30 days of adding a component to the list in this subpart, the operator shall notify the District in writing that the operator is requesting to add the component to the Part 1d(ii) list of alternative temperature limit wells. This notification shall include the well ID number, a map of the collection system to identify the location of this well, and the dates and results of all monitoring conducted on the well to verify that the above requirements have been satisfied.
- If the Regulation 8-34-414 repair schedule has been invoked for the wellhead temperature excess, and the operator has met the requirements Sections 414.1 and 414.2, then compliance with the requirements of this subpart shall be deemed an acceptable resolution of the wellhead temperature excess in lieu of the collection system expansion specified in Sections 414.3 and 414.4.

iii. The operator shall demonstrate compliance with the alternative wellhead temperature limit in Part 1d(i) by monitoring and recording the temperature of the landfill gas in each wellhead on a monthly basis, in accordance with Regulations 8-34-501.4, 8-34-501.9, and 8-34-505.

iv. If the temperature of the landfill gas in a wellhead exceeds 140 degrees F, the operator shall investigate the possibility of a subsurface fire at the wellhead by monitoring for CO concentration in the wellhead gases and by searching for smoke, smoldering odors, combustion residues, and other fire indicators in the wellhead and in the landfill area near this wellhead. Within 5 days of triggering a fire investigation, the operator shall measure the CO concentration in the landfill gas at the wellhead using a portable CO monitor or an EPA approved test method. CO monitoring shall continue according to the frequency specified in subparts 1d(v-vii).

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

v. If the CO concentration is greater than 500 ppmv, the operator shall immediately take all steps necessary to prevent or extinguish the subsurface fire, including disconnecting the well from the vacuum system if necessary. If the well is not disconnected from the vacuum system or upon reconnecting a well to the vacuum system, the operator shall monitor the well for CO concentration, wellhead temperature, and other fire indicators on at least a weekly basis until the CO concentration drops to 500 ppmv or less.

vi. If the CO concentration is less than or equal to 500 ppmv but greater than 100 ppmv, the operator shall monitor for CO concentration at least twice per month (not less than once every 15 days) until the CO concentration drops to 100 ppmv or less. Wellhead temperature and other fire indicators shall be evaluated at each of these semimonthly-monitoring events.

vii. If the CO concentration is less than or equal to 100 ppmv, the operator shall monitor for CO concentration on a monthly basis. CO monitoring may be discontinued if three consecutive CO measurements are 100 ppmv or less and the wellhead temperature during each of these three monitoring events is 140 degrees F or less. If a component has three or more CO measurements of 100 ppmv or less but the wellhead temperature was greater than 140 degrees F, the operator must receive written approval from the District before discontinuing the monthly CO monitoring at that component.

viii. The permit holder shall record the dates and results of all monitoring events required by this subpart in a District approved log. If Part 1d(v) applies, the operator shall also describe all actions taken to prevent or extinguish the fire.

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

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

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; 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 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.

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.

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)

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

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)

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)

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

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

(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. (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:

Compound	Concentration (ppbv)
Acrylonitrile	500
Benzene	3300
Benzylchloride	600
1,4 Dichlorobenzene	1100
Ethylene Dibromide	300
Ethylene Dichloride	250
Ethylidene Dichloride	1200
Methylene Chloride	2500
Perchloroethylene	2400
1,1,2,2 Tetrachloroethane	550
Trichloroethylene	1400
Vinyl Chloride	1100

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.

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

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)

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)

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

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. 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)
    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.
    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.

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

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.

16. Any emission reductions that may occur due to the shut-down or modification of S-23 IC Engine or S-24 IC Engine 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:
    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)

VI. Permit Conditions

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

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. This Part applies to the acceptance, handling, storage, and on-site reuse of VOC-laden soil. VOC-laden soil is any soil that contains volatile organic compounds, as defined in Regulation 8-40-213, other than contaminated soil. As defined in Regulation 8-40-205, contaminated soil contains more than 50 ppmw of VOC or has a surface concentration greater than 50 ppmv of VOC as C1, and contaminated soil is subject to Part 21 below instead of this part. Materials containing only non-volatile hydrocarbons and materials meeting the requirements of Regulation 8-40-113 are not subject to this part. For each lot of VOC-laden soil accepted at this site, the Permit Holder shall comply with the limits and monitoring procedures identified in either subpart a or subpart b below to demonstrate compliance with the total carbon limits in Regulation 8-2-301. (Basis: Regulation 8-2-301)
    a. Unless the Permit Holder demonstrates compliance with Regulation 8-2-301 in accordance with subpart b below, the Permit Holder shall limit the quantity of VOC laden soil handled per day such that no more than 15 pounds of total carbon could be emitted to the atmosphere per day. In order to demonstrate compliance with this subpart, the Permit Holder shall maintain the following records in a District approved log for all VOC-laden soil accepted at the landfill.
        i. Record on a daily basis the amount of VOC laden soil accepted for each truckload or each soil lot, as appropriate. This amount (in units of pounds per day) is Q in the equation in subpart a(iii) below.
        ii. Record on a daily basis the VOC content for each truckload or each soil lot, as appropriate. This VOC Content (C in the equation below) should be expressed as parts per million by weight as total carbon (or C1).

VI. Permit Conditions

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

iii. Calculate and record on a daily basis the VOC Emission Rate (E) using the following equation: E = Q * C / 1E6
This equation may be applied to each truckload or to each soil lot received per day depending on the amount of soil that is represented by the VOC Content data. If the equation is applied to multiple loads per day, the VOC Emission Rate shall be totaled for all loads received each day.

iv. Summarize all daily emission rates on a monthly and calendar year basis.

v. 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.

b. Unless the Permit Holder demonstrates compliance with Regulation 8-2-301 in accordance with subpart a above, the Permit Holder shall screen each lot of VOC laden soil accepted per day for VOC surface emissions to show that each lot of VOC laden soil is not contaminated soil.

i. The Permit Holder shall use the testing procedures outlined in Regulation 8-40-604.

ii. The screening test shall be representative of the entire lot of VOC-laden soil. The soil surface shall be disturbed prior to screening to ensure that the screening is representative of the entire load.

iii. The Permit Holder shall maintain records of all testing conducted to satisfy this subpart and shall record the amount of VOC-laden soil accepted and the highest surface concentration measured pursuant to this subpart. These records shall be maintained for each truckload or each soil lot accepted, as appropriate, provided that the records are made or summarized on at least a daily basis.

iv. Summarize the daily soil acceptance rates and the weighted average of the surface concentration records on a monthly basis and for each calendar year.

v. 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.

VI. Permit Conditions

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

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

VI. Permit Conditions

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

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.

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.

VI. Permit Conditions

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

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.

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.

VI. Permit Conditions

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

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.

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.

VI. Permit Conditions

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

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.

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.

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. 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)

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.

VI. Permit Conditions

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

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.

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.

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 (LNG), or LNG Plant waste gas.
(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 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. (Basis: BACT and Regulations 8-34-301.4, 8-34-501.11, and 8-34-509)
   a. The Permit Holder shall measure the concentrations of CO and O_2 in the exhaust of each engine once per weekday (Monday through Friday, excluding weekends and holidays) on any weekday when the engine is supplying power to the grid between the hours of 8:00 am and 5:00 pm and the engine has been operating for at least three consecutive hours. 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 month (or after thirty daily measurements if the engine is not operated each day during the month). If none of the daily corrected CO concentrations 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.

VI. Permit Conditions

Condition # 19237
FOR: S-23 INTERNAL COMBUSTION ENGINE AND
FOR: S-24 INTERNAL COMBUSTION 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 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). If none of the weekly corrected CO concentrations 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 measurements does not exceed 10 ppmv, then the Permit Holder may use the monitoring schedule described in subpart c. If a corrected CO concentration exceeds the limit in this part, or if the average exceeds 75% of the limit, or if the standard deviation 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. 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 exceeds the limit in this part, or if the average exceeds 50% of the limit, or if the standard deviation exceeds 10 ppmv, the Permit Holder shall revert to the subpart b monitoring frequency.

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:

VI. Permit Conditions

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

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
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 than2.1, 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 # 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-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-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 30,000 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 Permit Holder shall ensure that S-140 and S-141 are each complying with one of the following requirements (either subpart a or subpart b below). (Basis: Regulation 2-1-403: Keep Emissions Below BACT Trigger)
   a. The wastewater throughput to each reactor (S-140 and S-141) shall not exceed 52,400 gallons during any one day (as determined by Part 5f) and the total volatile organic compound (VOC) concentration in the wastewater shall not exceed 52 ppm by weight (as determined by Part 5b); or
   b. The emissions from each reactor (S-140 and S-141) shall not exceed 10.0 pounds of precursor organic compounds (POC) during any day (as determined by Part 5h).

2. The Permit Holder shall ensure that S-140 and S-141 are complying with one of the following requirements (either subpart a or subpart b below). (Basis: Offsets)
   a. The total combined wastewater throughput to S-140 and S-141 shall not exceed 6,460,000 gallons during any consecutive 12-month period (as determined by Part 5g) and the total VOC concentration in the wastewater shall not exceed 52 ppm by weight (as determined by Part 5b); or
   b. The emissions from S-140 and S-141 combined shall not exceed 1230 pounds of POC during any consecutive 12-month period (as determined by Part 5i).

*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	1020
Methylene Chloride	2530
Naphthalene	3590
Perchloroethylene	430
Trichloroethylene	1290
Vinyl Chloride	30

VI. Permit Conditions

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

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 compounds. (Basis: Offsets and Toxic Risk Management Policy)
   a. Each of the compounds listed in Part 3 (benzene, chloroform, 1,4-dichlorobenzene, methylene chloride, naphthalene, perchloroethylene, trichloroethylene, and vinyl chloride),
   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.

5. In order to demonstrate compliance with Parts 1-3, the Permit Holder shall maintain the following records in a District approved logbook. 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 and Toxic Risk Management Policy)
   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,

VI. Permit Conditions

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

b. On a quarterly basis, calculate and record the total volatile organic compound (VOC) 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 VOC concentration determined for this subpart to the limit in Parts 1a and 2a.

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

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

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 1a.

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 2a.

VI. Permit Conditions

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

h. If the maximum daily wastewater throughput rate to a reactor (determined by Part 5f) exceeds the throughput limit in Part 1a or a quarterly VOC concentration (determined by Part 5b) exceeds the VOC concentration limit in Parts 1a and 2a, the Permit Holder shall demonstrate compliance with the POC emission limit in Part 1b for each month or quarter, as applicable. Daily POC emissions (E) shall be calculated using the following equation:

E = 3.67E-6 * Q * C

where E is pounds of POC emissions per day, Q is maximum daily wastewater influent rate for a month (as determined by Part 5f), and C is the concentration of VOC in the influent wastewater (ppm by weight) for a quarter (as determined by Part 5b).

i. If the rolling annual wastewater throughput rate to the two reactors (as determined by Part 5g) exceeds the throughput limit in Part 2a or a quarterly VOC concentration (as determined by Part 5b) exceeds the VOC concentration limit in Parts 1a and 2a, the Permit Holder shall demonstrate compliance with the POC emission limit in Part 2b for each month or quarter, as applicable. Rolling annual POC emissions (E) shall be calculated using the following equation:

E = 3.67E-6 * Q * C

where E is pounds of POC emissions per 12-month period, Q is total wastewater influent rate for a 12-month period (as determined by Part 5g), and C is the concentration of VOC in the influent wastewater (ppm by weight) for a quarter (as determined by Part 5b).

6. The Permit Holder shall begin complying with the testing and record keeping requirements described in Parts 4 and 5a-g above by no later than December 23, 2003. The Permit Holder shall begin complying with the POC emission calculation procedures described in Parts 5h-i above by no later than September 3, 2006. (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

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
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
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		For Collection and Control Systems: $\leq$ 240 hours per year and $\leq$ 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating 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
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)
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.2	Y		$\leq$ 15 consecutive days per incident and $\leq$ 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 (Applies to all wells that are connected to the vacuum system)	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 (Applies to all wells that are connected to the vacuum system, except for wells identified in Condition # 19235, Part 1d(ii))	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly Inspection 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
Temper-ature of Gas at Wellhead	BAAQMD Condition # 19235, Part 1d(i)	Y		< 145 ^{o}F (Applies to wells identified in Condition # 19235, Part 1d(ii) that are connected to the vacuum system)	BAAQMD 8-34-414, 501.9 and 505.2 and BAAQMD Condition # 19235, Part 1d(iii)	P/M	Monthly Inspection and Records
Gas Concen-trations at Wellhead	BAAQMD Condition # 19235, Part 1d(ii)	Y		CO $\leq$ 500 ppmv (Applies to wells identified in Condition # 19235, Part 1d(ii) that have a wellhead temperature > 140 ^{o}F)	BAAQMD Condition # 19235, Part 1d(iv-viii)	P/E	Weekly, Semi-monthly, and Monthly Inspection and Records
Gas Concen-trations 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
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

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 8-34-117.5	Y		≤ 24 hours per well or ≤ 5 wells per day for component replacements	BAAQMD 8-34-117.6 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD Condition # 19235, Parts 1c (i and ii)	Y		For individual components that are temporarily disconnected from the vacuum system: ≤ 5 components disconnected at any one time and ≤ 120 days of vacuum disconnection time during any 12-month period for each individual component	BAAQMD Condition # 19235, Part 1c(iv and v)	P/E	Additional Component Leak Tests and Records
Total Carbon Emissions	BAAQMD 8-2-301 and BAAQMD Condition # 19235, Part 20	Y		Applies to Aeration of VOC-Laden Soil Only: ≤ 15 pounds/day OR ≤ 300 ppmv, dry basis	BAAQMD Condition # 19235, Part 20	P/D OR P/D	Records and Emission Calculations OR Surface Screening and 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

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
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
Non-Methane Organic Com-pounds (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
Combus-tion Zone Temper-ature (CZT)	BAAQMD Condition # 19235, Part 10	Y		For A-15: CZT ≥ 1400 °F, averaged over any 3-hour period	BAAQMD 8-34-501.3, 8-34-507	C	Temperature Sensor and Recorder (continuous)

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
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
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 (due to flare emissions)	None	N	NA
SO_2	BAAQMD 9-1-302	Y		For A-15 Flare: $\leq$ 300 ppm (dry basis)	BAAQMD Condition # 18773, Part 10	P/M	Sulfur Analysis of Landfill Gas 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
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 10	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 3300 Benzyl Chloride 600 1,4 Dichlorobenzene 1100 Ethylene Dibromide 300 Ethylene Dichloride 250 Ethylidene Dichloride 1200 Methylene Chloride 2500 Perchloroethylene 2400 1,1,2,2 Tetrachloroethane 550 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 2-5-1 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

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 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
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

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
Vehicle Miles Traveled (VMT)	BAAQMD Condition # 20828, Part 3	Y	Upon Comple-tion 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 Comple-tion 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 WITH A-6 FOGGING SYSTEM AND S-7 GAS TURBINE WITH 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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE WITH A-6 FOGGING SYSTEM AND S-7 GAS TURBINE WITH 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
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
Combus-tion Chamber Discharge Temper-ature (CCDT)	BAAQMD Condition # 18773, Part 9	Y		855 °F $\leq$ CCDT $\leq$ 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		$\leq$ 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 9-1-302	Y		$\leq$ 300 ppm (dry basis)	BAAQMD Condition # 18773, Part 10	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 10	P/M, A	Sulfur Analysis of Landfill Gas and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE WITH A-6 FOGGING SYSTEM AND S-7 GAS TURBINE WITH 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
Fuel Sulfur Content	40 CFR 60.333(b)	Y		$\leq$ 0.8% sulfur by weight ($\leq$ 8000 ppmw)	40 CFR 60.334(b)(2) and BAAQMD Condition # 18773, Part 10	P/M, A	Sulfur Analysis of Fuel (LFG) and Records
Fuel Sulfur Content	BAAQMD Condition # 18773, Part 10	Y		$\leq$ 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: $\leq$ 0.06 ppm, averaged over 3 minutes and $\leq$ 0.03 ppm, averaged over 60 minutes	None	N	NA
NO_x	BAAQMD 9-9-301.1	Y		$\leq$ 42 ppmv, at 15% O_2, dry basis	BAAQMD Condition # 18773, Part 11	P/A	Annual Source Tests

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE WITH A-6 FOGGING SYSTEM AND S-7 GAS TURBINE WITH 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	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 BAAQMD Condition # 18773, Parts 9 and 11	C and C and P/A	Records of Fuel Consump-tion and Water-Fuel Ratio and Temperature Sensor and Recorder and Annual Source Tests
NO_x	BAAQMD Condition # 18773, Part 1	Y		$\leq$ 0.1567 pounds of NO_x (calculated as NO_2) per MM BTU	BAAQMD Condition # 18773, Part 11	P/A	Annual Source Tests
CO	BAAQMD Condition # 18773, Part 2	Y		$\leq$ 0.2229 pounds of CO per MM BTU	BAAQMD Condition # 18773, Part 11	P/A	Annual Source Tests
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		$\leq$ 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		$\leq$ 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: $\leq$ 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 9-1-302	Y		$\leq$ 300 ppm (dry basis)	BAAQMD Condition # 18773, Part 10	P/M	Sulfur Analysis of Landfill Gas and Records
H_2S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: $\leq$ 0.06 ppm, averaged over 3 minutes and $\leq$ 0.03 ppm, averaged over 60 minutes	None	N	NA
NO_x	BAAQMD 9-8-302.1	Y		Waste Fuel Gas, Lean-Burn $\leq$ 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		$\leq$ 36 ppmv, at 15% O_2, dry basis, unless emissions $\leq$ 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: $\leq$ 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		$\leq$ 36 ppmv, at 15% O_2, dry basis, unless emissions $\leq$ 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-99 NON-RETAIL GASOLINE DISPENSING FACILITY G # 7123

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		≤ 30,000 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 – E
Applicable Limits and Compliance Monitoring Requirements
S-99 NON-RETAIL GASOLINE DISPENSING FACILITY G # 7123

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 – E
Applicable Limits and Compliance Monitoring Requirements
S-99 NON-RETAIL GASOLINE DISPENSING FACILITY G # 7123

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 – F
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 1a and 2a	Y		≤ 52,400 gallons per day and ≤ 6,460,000 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 1a and 2a	Y		≤ 52 ppmw (weighted average of quarterly wastewater samples)	BAAQMD Condition # 20922, Parts 4-5	P/Q	Quarterly VOC Content Analyses and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
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
POC Emissions	BAAQMD Condition # 20922, Parts 1b and 2b	Y		≤ 10.0 pounds per day and ≤ 1230 pounds per 12-month period	BAAQMD Condition # 20922, Part 5	P/D, M, Q	Daily Operating Rate Records, Monthly Wastewater Throughput Records, Quarterly VOC Content Analyses, and Emission Calculation Procedures
Toxic Compound Concentration Limits for Wastewater	BAAQMD Condition # 20922, Part 3	N		Compound — ≤ ppbw: Benzene 80; Chloroform 470; 1,4 Dichlorobenzene 1020; 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 – G
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		$\leq$ 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 # 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: $\leq$ 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 – H
Applicable Limits and Compliance Monitoring Requirements
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-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 – I
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	For Operations Other Than Aeration of VOC-Laden Soil at S-2: Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A For Aeration of VOC Laden Soil at S-2: BAAQMD Regulation 8-40-604 measurement procedures and EPA Method 21 (or any method determined to be equivalent by the US EPA and approved by the APCO)
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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)
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-1-304	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
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 D1072-80 or 90, D4084-82 or 94, or D3246-81, 92, or 96, D4468-85, D5504-01, or D6228-98
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 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 1d	Wellhead Temperature	APCO Approved Device
BAAQMD Condition # 19235, Part 1d	Wellhead CO Concentration	APCO Approved Portable CO Monitoring Device or an EPA Approved Test Method
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
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	Testing to Determine if Soil is Contaminated Soil or VOC-Laden Soil: VOC Concentration in Soils; OR Surface VOC Concentration	 BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B (or any method determined to be equivalent by the US EPA and approved by the APCO); OR BAAQMD Regulation 8-40-604 measurement procedures and EPA Method 21 (or any method determined to be equivalent by the US EPA and approved by the APCO)
BAAQMD Condition # 19235, Part 20a	Total Carbon Emissions from Aeration of VOC Laden Soils	APCO approved equation identified in Condition # 19235, Part 20a with VOC Content determined as described above for VOC Concentration in Soils.
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 # 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
BAAQMD Condition # 20922, Parts 1a, 2a, and 3	VOC Concentrations in Wastewater	EPA Method 8260B
BAAQMD Condition # 20922, Parts 1b and 2b	POC Emissions from Aerated Biological Reactors	BAAQMD Emission Calculation Procedures Identified in BAAQMD Condition # 20922, Parts 5h and 5i.
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

A. SUBSUMED REQUIREMENTS

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

Table IX-A
S-2 ALTAMONT LANDFILL

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
8-2-601	Determination of Compliance (for organic compound emissions as total carbon)	8-40-604	Measurement of Organic Concentration (to classify soil as "contaminated" or "not contaminated")

The Regulation 8, Rule 2 total carbon test procedure is subsumed by the Regulation 8, Rule 40 VOC test procedure for the Redwood Landfill (S-5), because testing performed pursuant to Regulation 8-40-604 will rule out the need to test in accordance with Regulation 8-2-601.

Regulation 8, Rule 2 "Miscellaneous Operations" is only applicable to sources of precursor organic compounds that are not otherwise limited by Regulation 8 or Regulation 10 rules. In the case of the landfill, Regulation 8, Rule 2 would apply to storage, handling, reuse (such as for cover material), and disposal of soil that contains some VOC, but is not defined as "contaminated soil" by Regulation 8-40-205. Soil which has an organic content exceeding 50 ppmw or that registers an organic concentration greater than 50 ppmv (expressed as methane, C1) is subject to Regulation 8, Rule 40.

Regulation 8-2-301 limits organic compound emissions (expressed as total carbon) from an operation to 15 pounds per day, if the emission from the operation has an organic compound concentration greater than 300 ppmv (expressed as total carbon, dry basis). Since soil found not to be contaminated using the procedures of

IX. Permit Shield

Regulation 8-40-604 will have a surface VOC concentration of less than 50 ppmv (expressed as methane, C1) it can reasonably be assumed that the concentration is also less than 300 ppmv (total carbon, dry basis) as determined by the procedures of Regulation 8-2-601. Since the operation complies with the total carbon concentration limit (< 300 ppmv), it complies with Regulation 8-2-301.

In summary, measurements conducted under Regulation 8-40-604 that show surface VOC concentrations are less than 50 ppmv (expressed as methane, C1) are conclusive to demonstrate compliance with Regulation 8-2-301.

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): **December 21, 2004**

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

Significant Revision (Application # 8583): **December 21, 2004**

- 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.

X. Revision History

- 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 # 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): **December 21, 2004**

- 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.

X. Revision History

- Renumber Tables IV-F-J and VII-F-J as Tables IV-E-I and VII-E-I.
- Update Section X, Revision History.

Minor Revision (Application # 2653): **April 5, 2005**

- Revise gasoline throughput limit for S-99 in Condition # 20813, Part 1 and Table VII-E.

Minor Revision (Applications # 7326 and 10004): **April 5, 2005**

- Modify collection system description in Table II-A and Condition # 19235, Part 1.

Minor Revision (Applications # 10514 and 10515): **April 5, 2005**

- Revise wastewater throughput limits for S-140 and S-141 in Tables II-A and VII-F and in Condition # 20922, Parts 1 and 2.
- Increase the inlet VOC concentration limit for S-140 and S-141 in Condition # 20922, Parts 1 and 2 and in Table VII-F.
- Change the VOC concentration limit in Condition # 20922, Part 2 and Table VII-F from an annual average limit to a peak weighted average limit and modify the associated record keeping requirements in Condition # 20922, Parts 5b and 5c.
- Increase the inlet 1,4 dichlorobenzene concentration limit for S-140 and S-141 in Table VII-F and Condition # 20922, Part 3.
- Revise basis for Condition # 20922, Parts 1, 2, 4, and 5 and update Table IV-F accordingly.
- Update Table III to reflect federal SIP adoptions and rule amendments and to add two new California ATCMs related to asbestos.
- Add the term, ATCM, to the Glossary.
- Update Section X, Revision History.

X. Revision History

Administrative Amendment (Applications # 11125 and 11126): October 4, 2005

- Modify TAC Concentration limits in Condition # 19235, Part 12 (non-FE) and Table VII-A.
- Correct the web site address for SIP requirements in Section XII.

Significant Revision (Application # 9527): December 15, 2005

- Modify Condition # 19235, Part 20 by adding VOC surface concentration limits and monitoring procedures, which will ensure that VOC-laden wastes are not contaminated soil and that aeration of VOC-laden wastes will comply with the total carbon concentration limit in Regulation 8-2-301.
- Reference the new VOC surface concentration monitoring procedures in Table VII-A.
- In Table VIII, identify test methods for VOC surface concentration measurements and VOC emission limits that apply to the aeration of VOC-laden wastes.
- Add a permit shield in Section IX that applies to the aeration of VOC-laden wastes and the resulting fugitive organic emissions. The permit shield subsumes a stack test method for total carbon and replaces it with a VOC surface concentration measurement.
- Update Section X, Revision History.

Administrative Amendment (Application # 14713): May 17, 2007

- Remove S-191 and S-192 Diesel Engines from Tables II-A, IV-H, and VII-H and from Condition # 20801.

X. Revision History

Minor Revision (Application # 14713): **July 17, 2007**

- Correct the daily wastewater throughput limit in Condition # 20922, Part 1a.
- Revise the VOC concentration limit for wastewater in Condition # 20922, Parts 1a and 2a and in Table VII-F.
- Add POC emission limits for the Aerated Biological Reactors to Condition # 20922, Parts 1b and 2b and to Table VII-F.
- Add POC emission calculation procedures to Condition # 20922, Part 5 and to Table VIII.
- Add a compliance date for maintaining POC emission records to Condition # 20922, Part 6.
- Make editorial corrections to Condition # 20922 and to Tables IV-F, VII-F, and VIII.
- Update Section X Revision History

Minor Revision (Application # 15454): **December 11, 2007**

- Clarify the daily CO monitoring requirements for the S-23 and S-24 IC Engines in Condition # 19237, Part 9.

Minor Revision (Application # 16864): **October 9, 2008**

- Update gas collection system description in Table II-A and in Condition # 19235, Part 1(a-b).
- Add less than continuous operating provisions for individual gas collection system components to Condition # 19235, Part 1c and to Tables IV-A and VII-A.
- Add an alternative wellhead Temperature Limit, a Wellhead CO Limit, and Associated Monitoring Requirements to Condition # 19235, Part 1d and to Tables IV-A, VII-A, and VIII.
- Make editorial corrections to Tables IV-A and VII-A and to Condition # 19235, Parts 2, 12, 15, 20, 21, and 22.
- 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

ATCM
Air Toxic Control Measure

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

XI. Glossary

CARB
California Air Resources Board (same as ARB)

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

XI. Glossary

EPA
The federal Environmental Protection Agency.

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.

XI. Glossary

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.

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.

XI. Glossary

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

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

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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

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)

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TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Policy

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

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9hp	=	horsepower
hr	=	hour
in	=	inches
lb	=	pound
lbmol	=	pound-mole
m^2	=	square meter
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://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions