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	**Facility Contact**
Mr. Marcus Nettz	Mr. Marcus Nettz
Senior District Manager	Senior District Manager
925-455-7323	925-455-7323

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 Jim Karas for Jack P. Broadbent — May 28, 2013
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer — Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/4/11);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 4/18/12);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 5 – Permits, New Source Review of Toxic Air Contaminants
(as amended by the District Board on 1/6/10);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03) and
SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95.

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

1. This Major Facility Review Permit was issued on December 19, 2012 and expires on December 18, 2017. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 18, 2017 and no earlier than December 18, 2016. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after December 18, 2017.** If the permit renewal has not been issued by December 18, 2017, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the district takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407 & 409.6; MOP Volume II, Part 3, §4.2)

I. Standard Conditions

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit 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. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless of whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment 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; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. Reports shall be 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

I. Standard Conditions

days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be 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)

I. Standard Conditions

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

A. Permitted Source List

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

Table II – A
Permitted Sources

S-#	Description	Make or Type	Model	Capacity
S-2	Altamont Landfill - Waste Decomposition Process	Types of waste accepted include: 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 = 124.4 E6 yd^3 Maximum Cumulative Amount of Decomposable Materials = 48.337 E6 tons, with incremental increases as allowed by Condition # 19235, Part 17
	Landfill Gas Collection System	active		130 vertical wells 1 horizontal collector 1 leachate collection riser with well and collector counts updated as allowed by Condition # 19235, Part 1b
S-6	Gas Turbine, fired on landfill gas exclusively	Solar Centaur	T-4500	3330 kW, 57.4 E6 BTU/hour
S-7	Gas Turbine, fired on landfill gas exclusively	Solar Centaur	T-4500	3330 kW, 57.4 E6 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 E6 BTU/hour

II. Equipment

Table II – A
Permitted Sources

S-#	Description	Make or Type	Model	Capacity
S-24	Internal Combustion Engine, fired on landfill gas, LNG, and LNG Plant waste gas	Duetz	TBG 620 V16	1877 bhp and 17.5 E6 BTU/hour
S-29	Green Waste Stockpiles			68,040 tons/year
S-43	Altamont Landfill - Waste and Cover Material Dumping	Wastes: MSW, commercial, industrial, construction, and designated/special wastes (industrial and sewage sludge, contaminated soils, and other approved materials) Cover Materials: clean soil, non-hazardous VOC laden soil, shredded green waste, and other approved materials.		Maximum Waste Acceptance Rate = 11,150 tons/day
S-44	Altamont Landfill - Excavating, Bulldozing, and Compacting Activities			
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

II. Equipment

Table II – A
Permitted Sources

S-#	Description	Make or Type	Model	Capacity
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-193	Diesel Engine (for fire pump at gas plant)	Caterpillar	3208	159 bhp, <1500 in^3 displacement, 7.1 gallons/hour diesel oil
S-199	Emergency Standby Diesel Engine Genset (Flare Station)	Caterpillar Model Year 2007	C6.6	230 bhp, 404 in^3 displacement, 11.8 gallons/hour diesel oil
S-200	Emergency Standby Diesel Engine Genset (WWTP)	Caterpillar Model Year 2007	C9	420 bhp, 537 in^3 displacement, 19.4 gallons/hour diesel oil
S-201	Emergency Standby Diesel Engine Genset (Maintenance Shop)	Caterpillar Model Year 2007	C9	420 bhp, 537 in^3 displacement, 19.4 gallons/hour diesel oil
S-210	Liquefied Natural Gas Plant	custom designed		1950 E6 BTU/day of LFG input

II. Equipment

B. Abatement Device List

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 E6 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 1481 °F, see also Table VII-A	$\geq$ 98% destruction of NMOC or < 30 ppmv of NMOC, as CH_4, at 3% O_2, dry
A-16	Landfill Gas Flare, Shaw LFG Specialties, EF1255l12 132 E6 BTU/hour, burning LFG, LNG Plant Waste Gas, 5 gpm of condensate, and propane.	S-2	BAAQMD 8-34-301.3, see also Table IV-A	Minimum Combustion Zone Temperature of 1509 °F, see also Table VII-A	$\geq$ 98% destruction of NMOC or < 30 ppmv of NMOC, as CH_4, at 3% O_2, dry

II. Equipment

C. Significant Source List

Each of the following sources is exempt from BAAQMD permit requirements but is included in this major facility review permit, because the source was determined to be a significant source as defined in BAAQMD Regulation 2-6-239. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J.

Table II – C
Significant Sources

S-#	Description	Type or Make and Model	Capacity	Comments
S-30	Portable Green Waste Grinding Operation	Moorbark, Model 1300	40 Tons/Hour	Exempt from BAAQMD permitting requirements per Regulation 2-1-105

II. Equipment

D. Exempt Equipment List

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

Table II – D
Exempt Equipment

S-#	Description	Type or Make and Model	Capacity	Comments
S-31	PERP Diesel Engine for Green Waste Grinder	MY 2000, Caterpillar, Model 3412E	860 bhp, 1649 in^3 displacement, 44.8 gallons/hr diesel oil, 6.14E6 BTU/hour	Exempt per 2-6-114
S-206	Portable Diesel Engine for Tipper #83; abated by A-206 Catalyzed Diesel Particulate Filter	MY 2007, Perkins, 2900/2200; HUSS FS-MK	127 bhp, 269 in^3 displacement, 7.08 gallons/hr diesel oil, 9.71E5 BTU/hour; 85% control of diesel PM	Exempt per 2-6-114
S-208	Portable Diesel Engine for Tipper #70; abated by A-208 Catalyzed Diesel Particulate Filter	MY 2007, Perkins, 2900/2200; HUSS FS-MK	127 bhp, 269 in^3 displacement, 7.08 gallons/hr diesel oil, 9.71E5 BTU/hour; 85% control of diesel PM	Exempt per 2-6-114
S-217	Portable Diesel Engine for Tipper #71; abated by A-207 Catalyzed Diesel Particulate Filter	MY 2007, Perkins, 2900/2200; HUSS FS-MK	127 bhp, 269 in^3 displacement, 7.08 gallons/hr diesel oil, 9.71E5 BTU/hour; 85% control of diesel PM	Exempt per 2-6-114
S-218	Portable Diesel Engine for Tipper #93; abated by A-209 Catalyzed Diesel Particulate Filter	MY 2007, Perkins, 2900/2200; HUSS FS-MK	127 bhp, 269 in^3 displacement, 7.08 gallons/hr diesel oil, 9.71E5 BTU/hour; 85% control of diesel PM	Exempt per 2-6-114

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of the SIP requirements are posted on the EPA Region 9 website. The address is:

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

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	Permits – General Requirements (4/18/12)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2, Rule 1	Permits – General Requirements (1/26/99)	Y
SIP 2-1-429	Federal Emissions Statement (4/3/95)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 2, Rule 5	Permits – New Source Review of Toxic Air Contaminants (1/6/10)	N
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (7/9/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds – General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (7/1/09)	N
SIP Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (1/2/04)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
BAAQMD 8-40-116	Exemption, Small Volume	Y
BAAQMD 8-40-117	Exemption, Accidental Spills	Y
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (3/22/95)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
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 9, Rule 1	Inorganic Compounds – Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Compounds – Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Compounds – Hydrogen Sulfide (10/6/99)	N
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
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Code of 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 Code of Regulations Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/19/11)	N
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants –General Provisions (9/13/10)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
40 CFR Part 82, Subpart F	Protection of Stratospheric Ozone – Recycling and Emissions Reduction (4/13/05)	
40 CFR 82.154	Prohibitions	Y
40 CFR 82.156	Required Practices	Y
40 CFR 82.161	Technician Certification	Y
40 CFR 82.166	Reporting and Record Keeping Requirements	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 the SIP requirements are posted on the EPA Region 9 website. The address is:

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

All other text may be found in the regulations themselves.

Table IV – A
Source-Specific Applicable Requirements
S-2 ALTAMONT LANDFILL -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-301	Public Nuisance	N	
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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-2 ALTAMONT LANDFILL -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation (applies to flares only)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	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	

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

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Wellhead Vacuum Requirement	Y	
8-34-305.2	Wellhead Temperature Limit (except for wells identified in Condition # 19235, Part 1d(ii))	Y	
8-34-305.3	Nitrogen Concentration Limit for Wellhead Gas or	Y	
8-34-305.4	Oxygen Concentration Limit for Wellhead Gas	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	
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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-415.3	Re-monitor Excess Location Within 10 Days	Y	
8-34-415.4	Re-monitor Excess Location Within 1 Month	Y	
8-34-415.5	If No More Excesses, No Further Re-Monitoring	Y	
8-34-415.6	Additional Corrective Action	Y	
8-34-415.7	Re-monitor Second Excess Within 10 days	Y	
8-34-415.8	Re-monitor Second Excess Within 1 Month	Y	
8-34-415.9	If No More Excesses, No Further Re-monitoring	Y	
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	Y	
8-34-415.11	Operational Due Date for Expansion	Y	
8-34-416	Cover Repairs	Y	
8-34-501	Operating Records	Y	
8-34-501.1	Collection System Downtime	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.3	Continuous Temperature Records for Enclosed Combustors (applies to flares only)	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.7	Waste Acceptance Records	Y	
8-34-501.8	Non-decomposable Waste Records	Y	
8-34-501.9	Wellhead Excesses and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.12	Records Retention for 5 Years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-505	Well Head Monitoring	Y	
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	

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

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
11-2-305	Waste Disposal Sites	N	
11-2-305.1	Warning Signs	N	
11-2-305.2	Fenced Perimeter	N	
11-2-305.3	Alternative Emission Control Methods	N	
11-2-305.3.1	Vegetative and/or Soil Cover for Asbestos Wastes at Inactive Sites	N	
11-2-305.3.2	Chemical Dust Suppression for Asbestos Tailings at Inactive Sites	N	
11-2-305.3.3	Soil Cover or Chemical Dust Suppression for Asbestos Waste at Active Sites	N	
11-2-305.4	Waste Monitoring Requirements for Active Waste Disposal Sites	N	
11-2-305.4.1	Waste Shipment Records	N	
11-2-305.4.2	Send Copy of Waste Shipment Record to Waste Generator	N	
11-2-305.4.3	Resolve/Report Waste Records Discrepancies	N	
11-2-403	Excavating or Disturbing Asbestos-Containing Waste	N	
11-2-405	Fees	N	
11-2-503	Active Waste Disposal Site Records	N	
11-2-503.1	Waste Shipment Records	N	
11-2-503.1.1	Waste Generator: name, address, phone, waste site location	N	
11-2-503.1.2	Transporter: name, address, phone	N	
11-2-503.1.3	Quantity (yd^3) of Asbestos Waste	N	
11-2-503.1.4	Report Any Improperly Enclosed Waste	N	
11-2-503.1.5	Date of Waste Receipt	N	
11-2-503.2	Asbestos Waste Location Records: location, depth, area, quantity of waste	N	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (9/13/10)**		
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	

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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)	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 WWW	**Standards of Performance for New Stationary Sources – Standards of Performance for Municipal Solid Waste Landfills (9/21/06)**		**Upon commence-ment of construc-tion of Fill Area 2**
60.752	Standards for Air Emissions from Municipal Solid Waste Landfills	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.752(b)	Requirements for MSW Landfills with Design Capacity equal to or greater than 2.5 million Mg and 2.5 million m^3 (Large Designated Facilities)	Y	
60.752(b)(2)	Comply with all requirements in sections (b)(2)(i through iv)	Y	
60.752 (b)(2)(i)	Submit a Collection and Control System Design Plan	Y	
60.752 (b)(2)(i)(A)	The collection and control system in the Design Plan shall comply with 60.752(b)(2)(ii)	Y	
60.752 (b)(2)(i)(B)	Design Plan shall include all proposed alternatives to 60.753 through 60.758	Y	
60.752 (b)(2)(i)(C)	Design Plan shall conform to 60.759 (active collection system) or demonstrate sufficiency of proposed alternatives	Y	
60.752 (b)(2)(ii)	Install a collection and control system	Y	
60.752 (b)(2)(iii)	Route collected gases to a control system.	Y	
60.752 (b)(2)(iii)(B)	Reduce NMOC emissions by 98% by weight or reduce NMOC outlet concentration to less than 20 ppmv as hexane at 3% O_2, dry basis, as demonstrated by initial performance test within 180 days of start-up. (applies to flares)	Y	
60.752 (b)(2)(iv)	Operate in accordance with 60.753, 60.755, and 60.756	Y	
60.752(c)	Title V Operating Permit Requirements	Y	
60.752(c)(1)	Subject date is June 10, 1996 for Landfills new or modified between May 30, 1991 and March 12, 1996	Y	
60.753	Operational Standards for Collection and Control Systems	Y	
60.753(a)	Operate a Collection System in each area or cell in which:	Y	
60.753(a)(1)	Active Cell – solid waste in place for 5 years or more	Y	
60.753(a)(2)	Closed/Final Grade – solid waste in place for 2 years or more	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.753(b)	Operate each wellhead under negative pressure unless:	Y	
60.753(b)(1)	Fire or increased well temperature or to prevent fire	Y	
60.753(b)(2)	Use of geomembrane or synthetic cover (subject to alternative pressure limits)	Y	
60.753(b)(3)	Decommissioned well after approval received for shut-down	Y	
60.753(c)	Operate each wellhead at < 55 °C, and either < 20% N_2 or < than 5% O_2 (or other approved alternative levels)	Y	
60.753(c)(1)	N_2 determined by Method 3C	Y	
60.753(c)(2)	O_2 determined by 3A and as described in (2)(i-v)	Y	
60.753(d)	Surface Leak Limit is less than 500 ppm methane above background at landfill surface. This section also describes some surface monitoring procedures.	Y	
60.753(e)	Vent all collected gases to a control system complying with 60.752(b)(2)(iii). If collection or control system inoperable, shut down gas mover and close all vents within 1 hour	Y	
60.753(f)	Operate the control system at all times when collected gas is routed to the control system	Y	
60.753(g)	If monitoring demonstrates that 60.753(b), (c), or (d) are not being met, corrective action must be taken	Y	
60.754	Test Methods and Procedures	Y	
60.754(c)	For PSD, NMOC emissions shall be calculated using AP-42	Y	
60.754(d)	Test Methods for Performance Test (Method 18 or 25C)	Y	
60.755	Compliance Provisions	Y	
60.755(a)	For Gas Collection Systems	Y	
60.755(a)(1)	Calculation procedures for maximum expected gas generation flow rate	Y	
60.755 (a)(1)(i)	Equation for unknown year-to-year waste acceptance rate	Y	
60.755 (a)(1)(ii)	Equation for known year-to-year waste acceptance rate	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.755(a)(2)	Vertical wells and horizontal collectors shall be of sufficient density to meet all performance specifications	Y	
60.755(a)(3)	Measure wellhead pressure monthly. If pressure is positive, take corrective action (final corrective action = expand system within 120 days of initial positive pressure reading)	Y	
60.755(a)(4)	Expansion not required during first 180 days after startup.	Y	
60.755(a)(5)	Monitor wellheads monthly for temperature and either nitrogen or oxygen. If readings exceed limits, take corrective action up to expanding system within 120 days of first excess.	Y	
60.755(b)	Wells shall be placed in cells as described in Design Plan and no later than 60 days after:	Y	
60.755(b)(1)	Five years after initial waste placement in cell, for active cells	Y	
60.755(b)(2)	Two years after initial waste placement in cell, for closed/final grade cells.	Y	
60.755(c)	Procedures for complying with surface methane standard	Y	
60.755(c)(1)	Quarterly monitoring of surface and perimeter	Y	
60.755(c)(2)	Procedure for determining background concentration	Y	
60.755(c)(3)	Method 21 except probe inlet placed 5-10 cm above ground	Y	
60.755(c)(4)	Excess is any reading of 500 ppmv or more. Take corrective action indicated below (i-v).	Y	
60.755 (c)(4)(i)	Mark and record location of excess	Y	
60.755 (c)(4)(ii)	Repair cover or adjust vacuum. Re-monitor within 10 calendar days.	Y	
60.755 (c)(4)(iii)	If still exceeding 500 ppmv, take additional corrective action. Re-monitor within 10 calendar days of 2nd excess.	Y	
60.755 (c)(4)(iv)	Re-monitor within 1 month of initial excess.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.755 (c)(4)(v)	For any location with 3 monitored excesses in a quarter, additional collectors (or other approved collection system repairs) shall be operational within 120 days of 1st excess.	Y	
60.755(c)(5)	Monitor cover integrity monthly and repair as needed.	Y	
60.755(d)	Instrumentation and procedures for complying with 60.755(c).	Y	
60.755(d)(1)	Portable analyzer meeting Method 21	Y	
60.755(d)(2)	Calibrated with methane diluted to 500 ppmv in air	Y	
60.755(d)(3)	Use Method 21, Section 4.4 instrument evaluation procedures	Y	
60.755(d)(4)	Calibrate per Method 21, Section 4.2 immediately before monitoring.	Y	
60.755(e)	Provisions apply at all times except during startup, shutdown, or malfunction, provided the duration of these shall not exceed 5 days for collection systems or 1 hour for control systems.	Y	
60.756	Monitoring of Operations	Y	
60.756(a)	For active collection systems, install wellhead sampling port	Y	
60.756(a)(1)	Measure gauge pressure in wellhead on a monthly basis	Y	
60.756(a)(2)	Measure nitrogen or oxygen concentration in wellhead gas on a monthly basis.	Y	
60.756(a)(3)	Measure temperature of wellhead gas on a monthly basis.	Y	
60.756(b)	Enclosed combustors shall comply with (b)(1) and (b)(2)	Y	
60.756(b)(1)	Temperature monitor and continuous recorder (not required for boilers and process heaters with capacity > 44 MW)	Y	
60.756(b)(2)	Device that records flow to or bypass of the control device (i or ii below)	Y	
60.756 (b)(2)(i)	Install, calibrate, and maintain a device that records flow to the control device at least every 15 minutes.	Y	
60.756(e)	Procedures for requesting alternative monitoring parameters	Y	
60.756(f)	Monitor surface on a quarterly basis.	Y	
60.757	Reporting Requirements	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.757(a)(3)	Amended Design Capacity Report required within 90 days of receiving a permitted increase in design capacity or within 90 days of an annual density calculation that results in a design capacity over the thresholds.	Y	
60.757(b)(3)	Sites with collection and control systems operating in compliance with this subpart are exempt from (b)(1) and (b)(2) above.	Y	
60.757(c)	Submit a Collection and Control System Design Plan within 1 year of first NMOC emission rate report showing NMOC > 50 MG/year, except as follows	Y	
60.757(f)	Submit Annual Reports containing information required by (f)(1) through (f)(6)	Y	
60.757(f)(1)	Value and length of time for exceedance of parameters monitored per 60.756(a), (b) or (d)	Y	
60.757(f)(2)	Description and duration of all periods when gas is diverted from the control device by a by-pass line	Y	
60.757(f)(3)	Description and duration of all periods when control device was not operating for more than 1 hour	Y	
60.757(f)(4)	All periods when collection system was not operating for more than 5 days.	Y	
60.757(f)(5)	Location of each surface emission excess and all re-monitoring dates and concentrations.	Y	
60.757(f)(6)	Location and installation dates for any wells or collectors added as a result of corrective action for a monitored excess.	Y	
60.757(g)	Initial Performance Test Report Requirements (g)(1-6)	Y	
60.757(g)(1)	Diagram of collection system showing positions of all existing collectors, proposed positions for future collectors, and areas to be excluded from control.	Y	
60.757(g)(2)	Basis for collector positioning to meet sufficient density req.	Y	
60.757(g)(3)	Documentation supporting percentage of asbestos or non-degradable material claims for areas without a collection system.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.757(g)(4)	For areas excluded from collection due to non-productivity, calculations and gas generation rates for each non-productive area and the sum for all nonproductive areas.	Y	
60.757(g)(5)	Provisions for increasing gas mover equipment if current system is inadequate to handle maximum projected gas flow rate.	Y	
60.757(g)(6)	Provisions for control of off-site migration	Y	
60.758	Recordkeeping Requirements	Y	
60.758(a)	Design Capacity and Waste Acceptance Records (retain 5 years)	Y	
60.758(b)	Collection and Control Equipment Records (retain for life of control equipment except 5 years for monitoring data)	Y	
60.758(b)(1)	Collection System Records	Y	
60.758 (b)(1)(i)	Maximum expected gas generation flow rate.	Y	
60.758 (b)(1)(ii)	Density of wells and collectors	Y	
60.758(b)(2)	Control System Records - enclosed combustors other than boilers or process heaters with heat input > 44 MW	Y	
60.758 (b)(2)(i)	Combustion temperature measured every 15 minutes and averaged over the same time period as the performance test	Y	
60.758 (b)(2)(ii)	Percent NMOC reduction achieved by the control device	Y	
60.758(c)	Records of parameters monitored pursuant to 60.756 and periods of operation when boundaries are exceeded (retain for 5 years).	Y	
60.758(c)(1)	Exceedances subject to record keeping are	Y	
60.758 (c)(1)(i)	All 3-hour periods when average combustion temperature was more than 28 C below the average combustion temperature during the most recent complying performance test	Y	
60.758(c)(2)	Records of continuous flow to control device or monthly inspection records if seal and lock for bypass valves	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.758(d)	Plot map showing location of all existing and planned collectors with a unique label for each collector (retain for life of collection system)	Y	
60.758(d)(1)	Installation date and location of all newly installed collectors	Y	
60.758(d)(2)	Records of nature, deposition date, amount, and location of asbestos or non-degradable waste excluded from control	Y	
60.758(e)	Records of any exceedance of 60.753, location of exceedance and re-monitoring dates and data (for wellheads and surface). Retain for 5 years.	Y	
60.759	Specifications for Active Collection Systems	Y	
60.759(a)	Active wells and collectors shall be at sufficient density	Y	
60.759(a)(1)	Collection System in refuse shall be certified by PE to achieve comprehensive control of surface gas emissions	Y	
60.759(a)(2)	Collection Systems (active or passive) outside of refuse shall address migration control	Y	
60.759(a)(3)	All gas producing areas shall be controlled except as described below (i-iii).	Y	
60.759(b)	Gas Collection System Components	Y	
60.759(b)(1)	Must be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved material and of suitable dimensions to convey projected gas amounts and withstand settling, traffic, etc.	Y	
60.759(b)(2)	Collectors shall not endanger liner, shall manage condensate and leachate, and shall prevent air intrusion and surface leaks.	Y	
60.759(b)(3)	Header connection assemblies shall include positive closing throttle valve, seals and couplings to prevent leaks, at least one sampling port, and shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved materials.	Y	
60.759(c)	Gas Mover Equipment shall be sized to handle maximum expected gas generation rate over the intended period of use.	Y	
60.759(c)(1)	For existing systems, flow data shall be used to project maximum flow rate.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.759(c)(2)	For new systems, gas generation rate shall be calculated per 60.755(a)(1)	Y	
40 CFR Part 61, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)**		
61.04	Address	Y	
61.05	Prohibited Activities	Y	
61.07	Application for Approval of Construction or Modification	Y	
61.09	Notification of Startup	Y	
61.10	Source reporting and Waiver Request	Y	
61.12	Compliance with Standards and Maintenance Requirements	Y	
61.12(b)	Compliance with operational standards as specified in subpart	Y	
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 (7/20/04)**		
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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
61.154(c)(2)	Chemical dust suppressant	Y	
61.154(e)	Record Keeping and Reporting Requirements	Y	
61.154(e)(1)	Maintain Waste Shipment Records	Y	
61.154(e)(2)	Send Copy of Waste Shipment Record to Waste Generator	Y	
61.154(e)(3)	Report Discrepancies to Administrator	Y	
61.154(e)(4)	Retain Records for 2 years	Y	
61.154(f)	Maintain Records about Asbestos Waste Deposition	Y	
61.154(i)	Furnish Records Upon Request	Y	
61.154(j)	Notify Administrator Before Disturbing Asbestos Wastes	Y	
61.154(j)(1)	Scheduled Starting and Completion Dates	Y	
61.154(j)(2)	Reason for Disturbing Waste	Y	
61.154(j)(3)	Emission Control Procedures	Y	
61.154(j)(4)	Locations of Temporary and Final Storage Sites	Y	
40 CFR Part 62 Subpart F	**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 (9/13/10)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10	Record keeping and reporting requirements	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(b)	General record keeping requirements	Y	
63.10(b)(2)	For affected sources, maintain relevant records of:	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)	General reporting requirements	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)	Comply with either 63.1955(a)(1) or (a)(2)	Y	
63.1955(a)(1)	Comply with 40 CFR Part 60, Subpart WWW	Y	Upon commence-ment of con-struction of Fill Area 2
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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	Fuel and Material Usage Restrictions for Landfill Gas Flares (Regulation 2-1-301)	Y	
Part 4	Heat Input Limit for Landfill Gas Flares (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 Landfill Gas Flares (RACT and Offsets)	Y	
Part 8	CO Emission Limits for Landfill Gas Flares (RACT, BACT, and Cumulative Increase)	Y	
Part 9	NMOC Emission Limits for Landfill Gas Flares (Offsets, Cumulative Increase, and Regulation 8-34-301.3)	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 10	Combustion Zone Temperature Limits for Landfill Gas Flares (RACT, Offsets, Cumulative Increase, TBACT, 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 (Regulation 2-5-302)	N	
Part 13	Source Test Requirements (RACT, Offsets, Cumulative Increase, TBACT, and Regulations 2-5-301, 8-34-301.3, 8-34-412, and 9-1-302)	Y	
Part 14	Landfill Gas Characterization Analysis Requirements (AB-2588 Air Toxics Hot Spots Act, Cumulative Increase, and Regulations 2-5-302 and 8-34-412)	Y	
Part 15	Record Keeping Requirements for Flares (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 Plant (Regulation 2-4-303.5)	Y	
Part 17	Fill Area 2 Requirements, Waste Acceptance Limits, POC Emission Limits and Offset Requirements (Regulation 2-2-302)	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, 6-1-301, and 6-1-305)	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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 22	Record Keeping Requirements for Landfill Operations (Regulations 2-1-301, 2-6-501, 6-1-301, 6-1-305, 8-2-301, 8-40-301, 8-34-304, and 8-34-501)	Y	
Part 23	Reporting periods and report submittal due dates for the Regulation 8, Rule 34 report (Regulation 8-34-411 and 40 CFR 63.1980(a))	Y	
BAAQMD Condition # 20828			**Upon Completion of Road Paving Require-ments for Certificate of Deposit # 821**
Part 1	Paved Road Maintenance Requirements (Regulation 2-2-201)	Y	
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	
BAAQMD Condition # 24373			
Part 1	CO emission limits for landfill gas combustion devices (Cumulative Increase and Regulation 2-1-301)	Y	
Part 2	Site-wide CO emission limit for all non-mobile combustion equipment (Regulation 2-1-403)	Y	
Part 3	Record keeping requirements (Regulations 2-1-301 and 2-1-403)	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
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
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	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6 Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds - Solid Waste Disposal Sites (6/15/05)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 (12/6/06)**		
9-9-113	Exemption, Inspection and Maintenance Periods	N	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-9-113.1	Time limits on inspection and maintenance periods between May 1 and October 31	N	
9-9-113.2	Annual time limits on inspection and maintenance periods when a required boiler inspection is not performed	N	
9-9-113.3	Annual time limits on inspection and maintenance periods when a required boiler inspection is performed	N	
9-9-114	Exemption, Start-up and Shutdown Periods	N	
9-9-115	Limited Exemption, Minor Inspection and Maintenance Work	N	
9-9-301	Emission Limits, General	N	
9-9-301.1	NO_x emission concentration limits for gas turbines	N	
9-9-301.1.1	Limits for gas turbines rated at: $\geq$ 0.3 MW and <10.0 MW	N	
9-9-301.2	NO_x limits effective on 1/1/10 as specified in table	N	
9-9-504	Annual Demonstration of Compliance	N	
SIP Regulation 9, Rule 9	**Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/15/97)**		
9-9-113	Exemption, Inspection and Maintenance Periods	Y	
9-9-113.1	Time limits on inspection and maintenance periods	Y	
9-9-113.2	Annual time limits on inspection and maintenance periods when a required boiler inspection is not performed	Y	
9-9-113.3	Annual time limits on inspection and maintenance periods when a required boiler inspection is performed	Y	
9-9-114	Exemption, Start-up and Shutdown Periods	Y	
9-9-301	Emission Limits, General	Y	
9-9-301.1	NO_x limits for gas turbines rated at: $\geq$ 0.3 MW and <10.0 MW	Y	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (9/13/10)**		
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance 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 GG	**Standards of Performance for Stationary Gas Turbines (2/24/06)**		
60.332	Standard for Nitrogen Oxides	Y	
60.332(a)	Subject turbines shall comply with paragraph (a)(1), (a)(2), (a)(3), or (a)(4)	Y	
60.332(a)(2)	NO_x emission standard for small turbines	Y	
60.332(c)	Paragraph (a)(2) applies to turbines with heat input of: > 10 MM BTU/hour and $\leq$ 100 MM BTU/hour, based on LHV	Y	
60.332(d)	Paragraph (a)(2) applies to turbines with rated base load of: $\leq$ 30 MegaWatts (MW)	Y	
60.333	Standard for Sulfur Dioxide	Y	
60.333(a)	Limit on SO_2 Concentration in turbine exhaust to atmosphere	Y	
60.333(b)	Limit on fuel sulfur content	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	

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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
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)	Monitoring required to demonstrate compliance with SO2 and fuel sulfur content limits	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)	Monitoring frequency for determining sulfur and nitrogen content of the fuel	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	
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	

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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
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 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/94)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(b)(2)	For affected sources, maintain relevant records of:	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)	General reporting requirements	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR, Part 63, Subpart YYYY	**National Emission Standards for Hazardous Air Pollutants: for Stationary Combustion Turbines (4/20/06)**		
63.6085	Am I subject to this subpart?	Y	
63.6090	What parts of my plant does this subpart cover?	Y	
63.6090(a)	Affected source: existing new or reconstructed stationary combustion turbine located at a major source of HAP	Y	
63.6090(a)(1)	Existing stationary combustion turbine: commenced construction or reconstruction before 1/14/03	Y	

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
63.6090(b)	Subcategories with limited requirements	Y	
63.6090(b)(2)	Turbines burning landfill gas or digester gas (more than 10% of annual gross heat input)	Y	
63.6090(b)(2)(ii)	Additional monitoring and reporting requirements	Y	
63.6090(b)(4)	Existing turbines in the above subcategories do not have to meet the requirements of this subpart or the initial notification requirements	Y	
BAAQMD Condition # 18773			
Part 1	NOx emission limit (Cumulative Increase and Regulation 2-1-301)	Y	
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	

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 Condition # 24373			
Part 1	CO emission limits for landfill gas combustion devices (Cumulative Increase and Regulation 2-1-301)	Y	
Part 2	Site-wide CO emission limit for all non-mobile combustion equipment (Regulation 2-1-403)	Y	
Part 3	Record keeping requirements (Regulations 2-1-301 and 2-1-403)	Y	

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 (9/15/04)**		
8-8-301	Waste Water Separators Greater than 760 Liters Per Day and Smaller than 18.9 liters per second	N	
8-8-301.1	Equipment and Inspection Requirements for Fixed Cover Separators	N	
8-8-303	Gauging and Sampling Devices	N	
8-8-503	Inspection and Repair Records	N	
SIP 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 (5/4/11)**		
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	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6 Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (6/15/05)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	

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
8-34-113.3	Record keeping Requirement	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.4	Limits for Other Emission Control Systems	Y	
8-34-412	Compliance Demonstration Tests	Y	
8-34-413	Performance Test Report	Y	
8-34-501	Operating Records	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.11	Records of Key Emission Control System Operating Parameters	Y	
8-34-501.12	Records Retention for 5 Years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-508	Gas Flow Meter	Y	
8-34-509	Key emission control system operating parameters	Y	
BAAQMD Regulation 9, Rule 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 (7/25/07)**		
9-8-302	Emission Limits – Waste Derived Fuel Gas	N	
9-8-302.1	Lean-Burn Engines: NOx Emission Limit	N	
9-8-302.3	CO Emission Limit	N	

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
9-8-303	Emission Limits – Delayed Compliance, Existing Spark Ignited Engines, 51 to 250 bhp or Model Year 1996 or later	N	1/1/16
9-8-501	Initial Demonstration of Compliance	N	
9-8-502	Record keeping	N	
9-8-502.3	Keep records of all tests conducted for at least 24 months	N	
9-8-503	Quarterly Demonstration of Compliance	N	
SIP Regulation 9 Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12/15/97)**		
9-8-302	Emission Limits – Waste Derived Fuel Gas	Y	
9-8-302.1	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 (9/13/10)**		
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	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	

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
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (9/13/10)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(b)(2)	For affected sources, maintain relevant records of:	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)	General reporting requirements	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63 Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/9/11)**		
63.6585	Am I subject to this subpart?	Y	
63.6585(a)	A stationary reciprocating internal combustion engine (RICE) is not a non-road engine and is not used to propel a motor vehicle.	Y	
63.6585(b)	A major source of HAPs is a plant that emits or has the potential to emit 10 tons/year or more of any single HAP or 25 tons/year of more of all HAPs combined.	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)	Affected source is any existing, new or reconstructed stationary RICE located at a major or area source.	Y	
63.6590(a)(1)	Existing stationary RICE is:	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
63.6590(a)(1)(i)	A stationary RICE > 500 bhp located at a major source that commenced construction before 12/19/02.	Y	
63.6590(b)	Stationary RICE subject to limited requirements:	Y	
63.6590(b)(3)	The following existing stationary RICE do not have to meet the requirements of this subpart or Subpart A or the initial notification requirements	Y	
63.6590(b)(3)(v)	existing stationary RICE (>500 bhp) located at a major source of HAP that combusts landfill or digester gas (>10% of annual gross heat input)	Y	
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, TBACT, and Regulations 2-5-302 and 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 (BACT, Offsets, Cumulative Increase, TBACT, and Regulations 2-5-302, 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	
BAAQMD Condition # 24373			

IV. Source-Specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	CO emission limits for landfill gas combustion devices (Cumulative Increase and Regulation 2-1-301)	Y	
Part 2	Site-wide CO emission limit for all non-mobile combustion equipment (Regulation 2-1-403)	Y	
Part 3	Record keeping requirements (Regulations 2-1-301 and 2-1-403)	Y	

IV. Source-Specific Applicable Requirements

Table IV – E
Source-Specific Applicable Requirements
S-29 GREEN WASTE STOCKPILES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6 Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds-Miscellaneous Operation (7/20/05)**	**Y**	
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition # 24061			
Part 1	Throughput Limit (Cumulative Increase)	Y	
Part 2	Watering and Dust Control Requirements (Regulations 6-1-301 and 2-6-503)	Y	
Part 3	Processing Requirements to Prevent Odorous Emissions (Regulation 1-301)	N	
Part 4	Record Keeping Requirements (Cumulative Increase and Regulations 2-6-501 and 6-1-301)	Y	

IV. Source-Specific Applicable Requirements

Table IV – F
Source-Specific Applicable Requirements
S-30 PORTABLE GREEN WASTE GRINDING OPERATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6 Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-311	Process Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	Process Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 24062			
Part 1	Incorporation of PERP conditions by reference (CARB PERP)	N	
Part 2	Visual Observation Requirement (Regulations 2-6-503 and 6-1-301)	Y	
Part 3	Record Keeping Requirement (Regulations 2-6-503 and 6-1-311)	Y	

IV. Source-Specific Applicable Requirements

Table IV – G
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 (10/18/06)**		
8-5-116	Exemption, Gasoline Storage Tanks at Gasoline Dispensing Facilities	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**		
8-5-206	Gas Tight	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Pressure Setting	Y	
8-5-303.2	Gas Tight	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-501	Records	Y	
8-5-501.1	Types and amounts of materials stored	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (11/6/02)**		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	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	

IV. Source-Specific Applicable Requirements

Table IV – G
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
8-7-302.1	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	
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	

IV. Source-Specific Applicable Requirements

Table IV – G
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
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (9/13/10)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(b)(2)	For affected sources, maintain relevant records of:	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)	General reporting requirements	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63 Subpart CCCCCC	**National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities (1/24/11)**		
63.11110	What is the purpose of this subpart?	Y	
63.11111	Am I Subject to the requirements in this subpart?	Y	
63.11111(a)	Each GDF that is located at an area source		
63.11111(b)	Each GDF with a monthly throughput of < 10,000 gallons of gasoline is subject to 63.11116	Y	
63.11111(e)	Demonstrate their monthly throughput level as specified in 63.11112(d)	Y	
63.11111(i)	If throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold	Y	
63.11112	What parts of my affected source does this subpart cover?	Y	
63.11112(a)	Gasoline storage tanks and associated equipment components in vapor or liquid gasoline service	Y	
63.11112(d)	An affected source is an existing affected source if it is not new or reconstructed	Y	

IV. Source-Specific Applicable Requirements

Table IV – G
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
63.11113	When do I have to comply with this subpart?	Y	
63.11113(b)	If affected source is existing, comply with standards by January 10, 2011.	Y	
63.11115	What are my general duties to minimize emissions?	Y	
63.1115(a)	Operate and maintain all affected sources in a manner consistent with safety and good air pollution control practices for minimizing emissions.	Y	
63.1115(b)	Keep applicable records and submit reports as specified in 63.11125(d) and 63.11126(b)	Y	
63.11116	Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline	Y	
63.11116(a)	Do not allow vapor releases for extended periods of time using the following measures:	Y	
63.11116(a)(1)	Minimize gasoline spills		
63.11116(a)(2)	Clean up spills as expeditiously as practicable	Y	
63.11116(a)(3)	Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use.	Y	
63.11116(a)(4)	Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices- such as oil/water separators	Y	
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	

IV. Source-Specific Applicable Requirements

Table IV – G
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
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	
BAAQMD Condition # 16516	**Annual Leak Test (Regulation 8-7-407)**	**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	

IV. Source-Specific Applicable Requirements

Table IV – H
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 (7/20/05)**	**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 (Regulation 2-5-302)	N	
Part 4	Wastewater Testing Requirements (Offsets and Regulation 2-5-302)	Y	
Part 5	Record Keeping Requirements and Emission Calculation Procedures (Offsets and Regulation 2-5-302)	Y	

IV. Source-Specific Applicable Requirements

Table IV – I
Source-Specific Applicable Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-303	Ringelmann No. 2 Limitation	N	
6-1-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann No. 2 Limitation	Y	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
8-1-110.2	Exemptions – internal combustion engine	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)**		
9-8-110	Exemptions	N	
9-8-110.5	For Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	For Emergency Use	N	

IV. Source-Specific Applicable Requirements

Table IV – I
Source-Specific Applicable Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-330.3	For Reliability-Related Activities	N	
9-8-502	Recordkeeping	N	
9-8-502.1	For Exempt Engines	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	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (9/13/10)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(b)(2)	For affected sources, maintain relevant records of:	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)	General reporting requirements	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63 Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/10/10)**		
63.6585	Am I subject to this part?	Y	
63.6585(a)	A stationary reciprocating internal combustion engine (RICE) is not a non-road engine and is not used to propel a motor vehicle.	Y	
63.6585(b)	A major source of HAPs is a plant that emits or has the potential to emit 10 tons/year or more of any single HAP or 25 tons/year of more of all HAPs combined.	Y	

IV. Source-Specific Applicable Requirements

Table IV – I
Source-Specific Applicable Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)	Affected source is any existing, new or reconstructed stationary RICE located at a major or area source.	Y	
63.6590(a)(1)	Existing stationary RICE is:	Y	
63.6590(a)(1)(ii)	A stationary RICE ≤ 500 bhp located at a major source that commenced construction before 6/12/06.	Y	
63.6595	When do I have to comply with this subpart?	Y	
63.6595(a)	Compliance Date for affected sources	Y	5/3/13
63.6602	What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE (≤ 500 bhp) located at a major source of HAP emissions? See Table 2c	Y	
63.6605	What are my general requirements for complying with this subpart	Y	
63.6605(a)	Comply with emission limitations and operating requirements at all times	Y	5/3/13
63.6605(b)	Operate safely using good air pollution control practices to minimize emissions	Y	5/3/13
63.6612	Initial performance/compliance demonstration deadlines	Y	
63.6615	Subsequent performance test dates	Y	
63.6620	Performance test procedures	Y	
63.6625	What are my monitoring, installation, collection, operation, and maintenance requirements?	Y	
63.6625(f)	For existing emergency stationary RICE ≤ 500 bhp, install non-resettable hour meter if one is not installed	Y	5/3/13
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	5/3/13
63.6630	How do I demonstrate compliance with the emission limitations and operating limitations?	Y	
63.6635	How do I monitor and collect data to demonstrate continuous compliance?	Y	
63.6635(a)	You must monitor and collect data according to this section	Y	
63.6640	How do I demonstrate continuous compliance with the emission limitations and operating limitations?	Y	
63.6640(a)	Demonstrate compliance with each limitation in Table 2c that applies according to the methods in Table 6	Y	5/3/13
63.6640(b)	Report each instance of non-compliance	Y	5/3/13

IV. Source-Specific Applicable Requirements

Table IV – I
Source-Specific Applicable Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6640(f)	Requirements for emergency stationary RICE	Y	5/3/13
63.6640(f)(1)	Requirements for emergency stationary RICE < 500 bhp located at major source, comply with (f)(1)(i-iii) and operating time limits	Y	5/3/13
63.6640(f)(1)(i)	No time limit on use during emergency situations	Y	5/3/13
63.6640(f)(1)(ii)	Maintenance checks and readiness testing annual hour limit	Y	5/3/13
63.6640(f)(1)(iii)	Non-emergency operation annual hour limit	Y	5/3/13
63.6645	What notifications must I submit and when?	Y	
63.6645(a)	Submit all notifications that apply	Y	
63.6645(a)(5)	Notification requirements do not apply to this source	Y	
63.6650	What reports must I submit and when?	Y	5/3/13
63.6655	What Records must I keep?	Y	5/3/13
63.6655(e)	Keep records of maintenance conducted	Y	5/3/13
63.6655(e)(2)	for existing stationary emergency RICE	Y	5/3/13
63.6655(f)	Keep records of hours of operation using non-resettable fuel meter and document emergency hours and purpose of any other operation	Y	5/3/13
63.6655(f)(1)	for an existing emergency stationary RICE ≤ 500 bhp located at a major source	Y	5/3/13
63.6660	In what form and how long must I keep records?	Y	5/3/13
63.6665	What parts of the general provisions apply to me?	Y	
Table 2c to Subpart ZZZZ	Requirements for existing compression ignition stationary RICE located at a Major Source of HAP Emissions	Y	5/3/13
Table 2c 1.a.	Schedule for oil and filter change	Y	5/3/13
Table 2c 1.b.	Schedule for air cleaner inspections	Y	5/3/13
Table 2c 1.c.	Schedule for hose and belt inspections	Y	5/3/13
Table 6 to Subpart ZZZZ	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices	Y	5/3/13
Table 6 9.a.	Work or Management Practices	Y	5/3/13

IV. Source-Specific Applicable Requirements

Table IV – I
Source-Specific Applicable Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
CCR, Title 17, Section 93115	**Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)**		
§93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater Than (>50 bhp)	N	
§93115.5(b)	For In-Use Emergency Standby CI Engines	N	
§93115.6	Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
§93115.6(b)	For In-Use Emergency Standby Diesel Fueled CI Engines	N	
§93115.6(b)(3)	Emission Standards and Operating Requirements	N	
§93115.6(b)(3)(A)	Diesel PM Standards and Hours of Operation Limitations	N	
§93115.6(b)(3)(A)(1)	General Requirements	N	
§93115.6(b)(3)(A)(1)(a)	For Engines That Emit Diesel PM Greater Than or Equal to 0.40 g/bhp-hr: Operating Hour Limit for Reliability Related Activities (Note that HC, NOx, NMHC+NOx, and CO are not limited for this engine)	N	
§93115.10	Recordkeeping, Reporting and Monitoring Requirements	N	
§93115.10(d)	Monitoring Equipment	N	
§93115.10(d)(1)	Non-Resettable Hour Meter	N	
§93115.10(f)	Reporting Requirements for Emergency Standby-Engines	N	
§93115.10(f)(1)	Records and Monthly Summary	N	
§93115.10(f)(2)	Records Retention and Availability	N	
BAAQMD Condition # 20801			
Part 1	Fuel Usage Limits (Regulation 2-1-301)	Y	

IV. Source-Specific Applicable Requirements

Table IV – I
Source-Specific Applicable Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Record Keeping Requirements (Regulations 2-1-301 and 9-1-304)	Y	
BAAQMD Condition # 24373			
Part 2	Site-wide CO emission limit for all non-mobile combustion equipment (Regulation 2-1-403)	Y	
Part 3	Record keeping requirements (Regulations 2-1-301 and 2-1-403)	Y	

IV. Source-Specific Applicable Requirements

Table IV – J
Source-Specific Applicable Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-303	Ringelmann No. 2 Limitation	N	
6-1-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann No. 2 Limitation	Y	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
8-1-110.2	Exemptions – internal combustion engine	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)**		
9-8-110	Exemptions	N	
9-8-110.5	For Emergency Standby Engines	N	

IV. Source-Specific Applicable Requirements

Table IV – J
Source-Specific Applicable Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	For Emergency Use	N	
9-8-330.3	For Reliability-Related Activities	N	
9-8-502	Recordkeeping	N	
9-8-502.1	For Exempt Engines	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	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (9/13/10)**		
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	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	

IV. Source-Specific Applicable Requirements

Table IV – J
Source-Specific Applicable Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 60 Subpart IIII	**Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (6/28/11)**		
60.4200	Am I subject to this subpart?	Y	
60.4200(a)	Manufacturers, owners and operators of stationary compression ignition (CI) internal combustion engines (ICE)	Y	
60.4200(a)(2)	Owners or operators of CI ICE that commenced construction after 7/11/05	Y	
60.4200(a)(4)	60.4208 applies if the CI ICE commenced construction after 7/11/05	Y	
60.4205	What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI ICE?	Y	
60.4205(b)	2007 and later model year emergency CI ICE with a displacement of < 30 L/cylinder must meet applicable tier standard limits (40 CFR 89.112-113)	Y	
60.4206	Comply with emission standards over lifetime of engine	Y	
60.4207	Fuel requirements: 40 CFR 80.510(b)	Y	
60.4209	Monitoring requirements	Y	
60.4209(a)	Non-resettable hour meter	Y	
60.4209(b)	Diesel PM filter must be equipped with back pressure monitor	Y	
60.4211	Compliance requirements	Y	
60.4211(a)	Operate and maintain the engine in accordance with manufacturer recommendations	Y	
60.4211(c)	Purchase, install, and configure a certified engine according to manufacturer recommendations	Y	
60.4211(f)	Comply with all operating hour limitations	Y	
60.4214	Notification, reporting, and record keeping requirements	Y	
60.4214(b)	Initial notification not required for emergency engines	Y	
60.4214(c)	For diesel particulate filters, maintain records of back pressure alarms and corrective action taken	Y	
60.4218	What parts of the general provisions apply to me?	Y	

IV. Source-Specific Applicable Requirements

Table IV – J
Source-Specific Applicable Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (9/13/10)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(b)(2)	For affected sources, maintain relevant records of:	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)	General reporting requirements	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63 Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/10/10)**		
63.6585	Am I subject to this part?	Y	
63.6585(a)	A stationary reciprocating internal combustion engine (RICE) is not a non-road engine and is not used to propel a motor vehicle.	Y	
63.6585(b)	A major source of HAPs is a plant that emits or has the potential to emit 10 tons/year or more of any single HAP or 25 tons/year of more of all HAPs combined.	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)	Affected source is any existing, new or reconstructed stationary RICE located at a major or area source.	Y	
63.6590(a)(2)	New stationary RICE is:	Y	
63.6590(a)(2)(ii)	A stationary RICE $\leq$ 500 bhp located at a major source that commenced construction on or after 6/12/06.	Y	

IV. Source-Specific Applicable Requirements

Table IV – J
Source-Specific Applicable Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6590(c)	Stationary RICE subject to regulation under 40 CFR Part 60 Subparts IIII or JJJJ must comply with these parts and no further requirements apply	Y	
63.6590(c)(6)	A new or reconstructed emergency RICE with < 500 bhp located at a major source	Y	
CCR, Title 17, Section 93115	**Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)**		
§93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater Than (>50 bhp)	N	
§93115.5(a)	For New and In-Use Emergency Standby CI Engines	N	
§93115.6	Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
§93115.6(a)	For New Emergency Standby Diesel Fueled CI Engines	N	
§93115.6(a)(3)	Emission Standards and Operating Requirements	N	
§93115.6(a)(3)(A)	Diesel PM Standards, Certification Requirements, and Hours of Operation Limitations	N	
§93115.6(a)(3)(A)(1)	General Requirements	N	
§93115.6(a)(3)(A)(1)(a)	meet applicable Table 1 standards	N	
§93115.6(a)(3)(A)(1)(b)	meet all applicable 2007 and later certification standards	N	
§93115.6(a)(3)(A)(1)(c)	meet operating hour limitations	N	
§93115.10	Recordkeeping, Reporting and Monitoring Requirements	N	
§93115.10(a)	Reporting requirements	N	
§93115.10(d)	Monitoring Equipment	N	
§93115.10(d)(1)	Non-Resettable Hour Meter	N	

IV. Source-Specific Applicable Requirements

Table IV – J
Source-Specific Applicable Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§93115.10(d)(2)	Diesel particulate filters must have a back pressure monitor	N	
§93115.10(f)	Reporting Requirements for Emergency Standby-Engines	N	
§93115.10(f)(1)	Records and Monthly Summary of hours of operation, purpose of operation, and fuel used	N	
§93115.10(f)(2)	Records Retention (36 months) and Availability	N	
BAAQMD Condition # 22850			
Part 1	Operating Time Limitation (CCR, Title 17, Section 93115.6(a)(3)(A)(1)(c))	N	
Part 2	Other Operational Limitations (CCR, Title 17, Section 93115.6(a)(3)(A)(1)(a-b))	N	
Part 3	Meter Requirements (CCR, Title 17, Section 93115.10(d)(1))	N	
Part 4	Record Keeping Requirements (CCR, Title 17, Section 93115.10(f) or Regulation 2-6-501)	N	
Part 5	At School and Near School Operating Limitations (CCR, Title 17, Section 93115.6(a)(1))	N	
BAAQMD Condition # 24373			
Part 2	Site-wide CO emission limit for all non-mobile combustion equipment (Regulation 2-1-403)	Y	
Part 3	Record keeping requirements (Regulations 2-1-301 and 2-1-403)	Y	

IV. Source-Specific Applicable Requirements

Table IV – K
Source-Specific Applicable Requirements
S-210 LIQUEFIED NATURAL GAS PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 18	**Organic Compounds - Equipment Leaks (9/15/04)**		
8-18-301	General	N	
8-18-302	Valves	N	
8-18-303	Pumps and Compressors	N	
8-18-304	Connections	N	
8-18-305	Pressure Relief Devices	N	
8-18-306	Non-Repairable Equipment	N	
8-18-307	Liquid Leak	N	
8-18-401	Inspection	N	
8-18-402	Identification	N	
8-18-403	Visual Inspection Schedule	N	
8-18-501	Portable Hydrocarbon Detector	N	
8-18-502	Records	N	
8-18-503	Reports	N	
BAAQMD Regulation 8, Rule 34	**Organic Compounds - Solid Waste Disposal Sites (6/15/05)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-301	Landfill Gas Collection 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	
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	

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Table IV – K
Source-Specific Applicable Requirements
S-210 LIQUEFIED NATURAL GAS PLANT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Condition # 24255			
Part 1	Material Processing Restriction (Offsets)	Y	
Part 2	Throughput Rate Limitation (Cumulative Increase)	Y	
Part 3	Venting Limitations and Abatement Requirements (Cumulative Increase and Regulation 8-34-301.4)	Y	
Part 4	Monitoring and Record Keeping Requirements (Cumulative Increase)	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

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

The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within thirty (30) days of testing. Start-up test results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109). [Basis: Regulation 8-7-407]

VI. Permit Conditions

Condition # 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)

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:

VI. Permit Conditions

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

a. Continuous monitoring and records of the landfill gas flow rate to the turbines recorded at least once every 15 minutes 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)

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, unless the District grants permission to perform source testing outside of this permitted range in accordance with the Enforcement Division's Trial Testing Policy. 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)

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

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 be conducted under normal operating conditions and shall determine the following:
    a. landfill gas flow rate to each gas turbine (dry basis);
    b. concentrations (dry basis) of carbon dioxide (CO_2), nitrogen (N_2), oxygen (O_2), methane (CH_4), and total non-methane organic compounds (NMOC) in the landfill gas;
    c. stack gas flow rate from each gas turbine (dry basis);
    d. concentrations (dry basis) of NO_x, CO, NMOC, and O_2 in the stack gas;
    e. NMOC destruction efficiency achieved by each turbine;
    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.

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

Each annual source test shall be conducted no later than 12 months after the previous source test on that device. 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 procedures and notification may also be submitted in a combined document at least 14 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 - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

1. The S-2 Altamont Landfill (Fill Area 1) 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. The Regulation 8-34-408 Collection and Control System Design Plan for Fill Area 2 shall be submitted to the District in the form of a permit application for a Change of Conditions at least 30 days prior to the date on which Fill Area 2 is expected to reach 1 million tons of decomposable material in place. (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 May 19, 2011. Well and collector locations are as described in detail in Permit Application # 20251.
        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.
            - 130 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 authorized to make the landfill gas collection system alterations described below pursuant to Permit Application # 23198. All collection system alterations shall comply with subparts 1b(i-vii) below.
        i. The authorized collection system alterations are:
            - Install up to 120 vertical wells
            - Permanently decommission up to 100 vertical wells
            - Install up to 25 horizontal trench collectors

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Condition # 19235

FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

- Permanently decommission up to 15 horizontal trench collectors
- 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 a Change of Conditions 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 this 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 be subject to subpart 1b(ii) 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 an Authority to Construct requirement.

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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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FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.

VI. Permit Conditions

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FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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:
#449, #474, #475, #477, #484, #487, #497, #500, #501, #513, #515, #519, #523, #526, #547, #548, #557, #559, #564, #565, #566, #568, #569, #570, #571, #574, #579, #601, #603, #611, and #612.
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).

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

- 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.
- 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 of 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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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

2. All collected landfill gas from Fill Area 1 shall be vented to properly operating landfill gas control equipment. The Permit Holder may operate any combination of landfill gas control devices or landfill gas processing equipment, including: A-15 Landfill Gas Flare, A-16 Landfill Gas Flare, S-6 Gas Turbine, S-7 Gas Turbine, S-23 Internal Combustion Engine, S-24 Internal Combustion Engine, or S-210 Liquefied Natural Gas Plant, provided that the Permit Holder collects landfill gas at all times at a sufficient rate to prevent excesses of any applicable landfill surface leak limit or any applicable component leak limit. In the event of a shut-down or malfunction of one of these devices, the Permit Holder shall ensure that all landfill gas that is normally fired or processed by that device is diverted to one or more of the other control devices listed above. 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)

3. The A-15 and A-16 Landfill Gas Flares shall be fired on landfill gas collected from Fill Area 1 of the S-2 Altamont Landfill. The permit holder shall apply for and receive a Change of Permit Conditions before using these flares to control landfill gas collected from the proposed Fill Area 2. Propane may be used as a start-up fuel only. Landfill gas condensate may be injected into these flares, provided that the flares comply with all limits in Parts 3-10 and any other applicable emission limits during all times that condensate is being injected into these flares. (Basis: Regulation 2-1-301)
   a. The condensate injection rate at A-15 shall not exceed 4320 gallons during any day, and
   b. The condensate injection rate at A-16 shall not exceed 7200 gallons during any day.

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

4. The A-15 and A-16 Landfill Gas Flares shall comply with all of the heat input limits specified below. (Basis: Offsets and Cumulative Increase)
   a. For A-15, the heat input rate shall not exceed 1704 million BTU per day.
   b. For A-15, the heat input rate shall not exceed 621,785 million BTU per year.
   c. For A-16, the heat input rate shall not exceed 3168 million BTU per day.
   d. For A-16, the heat input rate shall not exceed 1,156,320 million BTU per year.

5. The Landfill Gas Flares (A-15 and A-16) 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 or A-16 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. Each Landfill Gas Flare (A-15 and A-16) 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 each Landfill Gas Flare (A-15 and A-16) shall comply with the following emission limits:
   a. For A-15, the exhaust concentration shall not exceed 45 ppmv of NO_x, corrected to 3% oxygen, dry basis, unless the permit holder can demonstrate that the emission rate does not exceed 0.06 pounds of NO_x (calculated as NO_2) per million BTU.
   b. For A-16, the exhaust concentration shall not exceed 45 ppmv of NO_x, corrected to 3% oxygen, dry basis, unless the permit holder can demonstrate that the emission rate does not exceed 0.06 pounds of NO_x (calculated as NO_2) per million BTU.

   (Basis: RACT and Offsets)

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S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

8. Carbon monoxide (CO) emissions from each Landfill Gas Flare (A-15 and A-16) shall comply with the following emission limits:
   a. For A-15, the exhaust concentration shall not exceed 369 ppmv of CO, corrected to 3% oxygen, dry basis, unless the permit holder can demonstrate that the emission rate does not exceed 0.30 pounds of CO per million BTU.
   b. For A-16, the exhaust concentration shall not exceed 246 ppmv of CO, corrected to 3% oxygen, dry basis, unless the permit holder can demonstrate that the emission rate does not exceed 0.20 pounds of CO per million BTU.

   (Basis: RACT, BACT, and Cumulative Increase)

9. The Landfill Gas Flares (A-15 and A-16) shall comply with either the destruction efficiency or outlet concentration limit specified in Regulation 8-34-301.3. (Basis: Offsets, Cumulative Increase, and Regulation 8-34-301.3)

10. For each Landfill Gas Flare (A-15 and A-16), the combustion zone temperature shall be maintained at the minimum limits in 10a-b. If a source test demonstrates compliance with all applicable requirements at a different temperature the APCO may revise these minimum combustion zone temperature limits 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, BACT, Offsets, Cumulative Increase, TBACT, and Regulations 2-5-301 and 8-34-301.3)
    a. For A-15, the combustion zone temperature shall be maintained at a minimum of 1481 degrees Fahrenheit, averaged over any 3-hour period during all times that landfill gas is vented to this flare.
    b. For A-16, the combustion zone temperature shall be maintained at a minimum of 1509 degrees Fahrenheit, averaged over any 3-hour period during all times that landfill gas is vented to this flare.

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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. Prior to initiation of gas collection from Fill Area 2, 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 Engineering Division, within 45 days of receipt of test results indicating a concentration above the levels listed below. Upon initiation of landfill gas collection from Fill Area 2, the concentrations of toxic air contaminants in landfill gas collected from either fill area of the Altamont Landfill shall not exceed the concentrations listed below. An excess of a Part 12 TAC concentration limit shall not be deemed a violation of this part, if the Permit Holder complies with the requirements in Part 12a and demonstrates to the District's satisfaction that increasing the concentration level of a compound will satisfy either Part 12b or Part 12c.

a. Within 45 days of submittal of a source test report indicating a concentration above the levels listed below, the Permit Holder shall submit a permit application to the Engineering Division of the District for a Change of Permit Conditions to increase the concentration level for that compound.

b. The Permit Holder shall demonstrate to the District's satisfaction that the requested higher concentration level for a compound will not result in an increase of the permitted emission level for that compound from the S-2 Altamont Landfill, as identified in the table below.

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S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

c. If the higher concentration level will result in an increase of the permitted emission level for one or more compounds, but this emission increase is accompanied by decreases in the permitted emission levels for one or more toxic air contaminants, the Permit Holder shall demonstrate to the District's satisfaction that the proposed emission changes will not result in a project risk that exceeds a limit in Regulation 2-5-302.

(Basis: Regulation 2-5-302)

Compound	Concentration in Collected LFG (ppbv)	Limit for Fugitive Emissions from S-2 pounds/year
Acrylonitrile	300	70
Benzene	3,400	1,166
Benzylchloride	500	278
Carbon Tetrachloride	100	68
Chloroform	100	52
1,4 Dichlorobenzene	2,600	1,678
Ethyl Benzene	30,000	13,987
Ethylene Dichloride	700	304
Ethylidene Dichloride	1,400	608
Isopropyl Alcohol	200,000	54,782
Methyl Alcohol	600,000	84,427
Methylene Chloride	12,000	4,476
Methyl Ethyl Ketone	200,000	63,331
Perchloroethylene	7,300	5,316
1,1,2,2 Tetrachloroethane	400	295
Toluene	200,000	80,925
Trichloroethylene	1,600	923
Vinyl Chloride	1,100	302
Xylenes	90,000	41,960

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S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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 and A-16 Landfill Gas Flares. 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, (b) while the flare is burning landfill gas and condensate is being injected into the flare at or near the maximum injection rate, and (c) while the A-16 flare is controlling emissions from the S-210 LNG Plant. 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.

    Each annual source test shall be conducted no later than 12 months after the previous source test on that device. Testing 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 procedures and notification may also be submitted in a combined document at least 14 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, TBACT, and Regulations 2-5-301, 8-34-301.3 and 8-34-412)

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S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.
    a. 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: AB-2588 Air Toxics Hot Spots Act, Cumulative Increase, and Regulations 2-5-302 and 8-34-412)

    Organic Compounds
    acrylonitrile
    benzene
    benzyl chloride
    carbon tetrachloride
    chloroform
    1,4 dichlorobenzene
    ethylbenzene
    ethylene dichloride (1,2 dichloroethane)
    ethylidene dichloride (1,1 dichloroethane)
    isopropyl alcohol
    methyl alcohol
    methylene chloride
    methyl ethyl ketone
    perchloroethylene
    1,1,2,2 tetrachloroethane
    toluene
    trichloroethylene
    vinyl chloride
    xylenes

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S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

b. The Permit Holder shall demonstrate compliance with the landfill gas NMOC concentration limit in part 17a by measuring the NMOC concentration in landfill gas collected from the S-2 Altamont Landfill at least twice during each calendar year. One of the two required annual tests shall be conducted concurrent with subpart a above. For each consecutive three-year period, the sample collection dates for the second annual sample shall be varied to ensure that at least one sample is collected during each quarter of a year (one sample shall be collected during January-March, one during April-June, one during July-September, and one during October-December). Analytical results from District approved source tests that were conducted for other purposes may be used to satisfy the requirements of this part provided the sample was tested for both total NMOC concentration and methane concentration using APCO approved test methods. The measured NMOC concentration shall be corrected to 50% methane using the following equation: corrected NMOC concentration = 0.5 * measured NMOC concentration / measured methane concentration. For each landfill gas NMOC concentration test, the Permit Holder shall maintain records of the sample date, the measured NMOC concentration, the measured methane concentration, and the corrected NMOC concentration. The Permit Holder shall determine and record the average of the corrected NMOC concentration for each calendar quarter (if multiple tests are available for any one particular quarter) and the rolling three-year average of these quarterly average NMOC concentrations. 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.

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)

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S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

a. For the Landfill Gas Flares (A-15 and A-16), 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 each Landfill Gas Flare (A-15 and A-16), on a daily basis.
c. Calculate and record, on a monthly basis, the maximum daily and total monthly heat input to each Landfill Gas Flare (A-15 and A-16) 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 per day) injected into each Landfill Gas Flare (A-15 and A-16) for each day that condensate is injected into a flare, and summarize these records on a monthly basis.
e. Maintain records of all test dates and test results performed to maintain compliance with Parts 12 and 13 or with any applicable rule or regulation.

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)

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17. This part becomes effective upon the date of the District's approval of a Change of Conditions for the Fill Area 2 Expansion of the S-2 Altamont Landfill. In order to assure compliance with District offsetting requirements for precursor organic compound (POC) emission increases at the S-2 Altamont Landfill, the Permit Holder shall submit the required amount of District approved POC emission reduction credits (ERC) in accordance with the schedule identified in Part 17a and shall comply with all associated limits, monitoring, record keeping, and reporting requirements in Parts 17a. The fugitive POC emissions, the associated amount of ERC credits due, and other related limits shall be reviewed and, if necessary, modified, in accordance with the procedures specified in Part 17b. (Basis: Regulation 2-2-302)
    a. The Permit Holder shall comply with all requirements and limits identified in the table below, unless the Permit Holder has submitted, in accordance with the provisions of Part 17b, a permit application to request a modification of a specific ERC amount or due date or a specific limit. This permit application submittal will temporarily suspend the specific ERC requirement or limit from the date of the application submittal until the District makes a final decision on the change request. The permit application submittal does not suspend any monitoring, record keeping, or reporting requirements in this subpart.
        i. By no later than the due date specified in column 1 of the table, the Permit Holder shall surrender the total amount of POC ERCs indicated in column 2 of the table. These ERCs shall be in the form of District approved banking certificates for POC emission reduction credits. The banking certificate submittal shall be addressed to the attention of the Director of the Engineering Division, BAAQMD, 939 Ellis Street, San Francisco, CA 94109.
        ii. The limits identified in columns 3 through 6 of the table apply to the S-2 Altamont Landfill (Fill Areas 1 and 2 combined). These limits become effective upon the date identified in column 1 and remain in effect until the Permit Holder has surrendered the amount of ERCs required for the subsequent set of limits, unless the limit has been temporarily suspended as specified in Part 17a.

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S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

iii. The Permit Holder shall demonstrate compliance with the fugitive POC emission limits in column 3 of the table by complying with: the limits in columns 4, 5, and 6, the record keeping requirements in Part 22i, the monitoring requirements in Part 14b, and the fugitive POC emissions reassessment requirements of Part 17b.

iv. For the purposes of the decomposable material placement limits in columns 4 and 5, decomposable materials are as defined in Part 22i. The Permit Holder shall demonstrate compliance with the cumulative decomposable placement limit in column 4 using the record keeping and reporting procedures in Part 22. The annual decomposable material placement limit in column 5 applies to each calendar year. The Permit Holder shall demonstrate compliance with these limits using the record keeping and reporting procedures in Part 22. Prior to exceeding a cumulative or annual decomposable material placement limit, the Permit Holder shall either surrender the amount of ERCs required for the next subsequent set of limits or submit a permit application to request a change of conditions. Each permit application submittal shall include a reassessment of the fugitive POC emissions conducted in accordance with Parts 17b(ii-iv).

v. The landfill gas NMOC concentration limit applies on a rolling three-year average basis. The Permit Holder shall demonstrate compliance with this limit using the monitoring and record keeping requirements in Part 14b. If testing indicates that the three-year average NMOC concentration in landfill gas collected S-2 has or will exceed the limit in column 6, the Permit Holder shall submit a permit application to request an increase of this NMOC concentration limit, within 45 days of recording the exceedance. The permit application submittal shall include a reassessment of the fugitive POC emissions conducted in accordance with Parts 17b(ii-iv).

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ERC Due Date and Effective Date for New Limits	Amount of ERCs Due tons/year of POC	Fugitive Emission Limit tons/year of POC	Cumulative Decomposable Material Placement Limit million tons	Annual Decomposable Material Placement Limit tons/year	Landfill Gas Concentration Limit ppmv NMOC (rolling 3-year average, expressed as C_6 and corrected to 50% CH_4)
*	11.114	73.654	48.337	1,630,000	600
1/2/15	4.349	77.436	51.557	1,610,000	600
1/2/17	4.167	81.059	54.777	1,610,000	600
1/2/19	4.003	84.540	57.997	1,610,000	600
1/2/21	3.846	87.884	61.217	1,610,000	600
1/2/23	3.695	91.098	64.437	1,610,000	600
1/2/25	3.551	94.185	67.657	1,610,000	600
1/2/27	3.411	97.152	70.877	1,610,000	600
1/2/29	3.278	100.002	74.097	1,610,000	600
1/2/31	3.149	102.740	77.317	1,610,000	600
1/2/33	3.026	105.371	80.537	1,610,000	600
1/2/35	2.907	107.899	83.757	1,610,000	600
1/2/37	4.148	111.506	88.000	1,610,000	600

* These limits and all subsequent limits are effective upon commencement of waste disposal in Fill Area 2.

b. The Permit Holder shall conduct a fugitive POC emissions reassessment for the S-2 Altamont Landfill in accordance with the schedule and procedures identified below.

i. A reassessment of the annual fugitive POC emission rate from the S-2 Altamont Landfill (Fill Areas 1 and 2 combined) shall be submitted to the District each year by no later than July 1st. The first reassessment is due the first July 1st after waste placement in Fill Area 2 commences. The reassessment shall be addressed to the attention of the District permit engineer assigned to this site, Engineering Division, BAAQMD, 939 Ellis St., San Francisco, CA 94109.

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ii. The fugitive POC emissions reassessment shall use the EPA LANDGEM program to determine the projected amount of landfill gas (scfm) and NMOC (tons/year) that will be generated by S-2 (Fill Areas 1 and 2 combined) for each year from 1980 through at least 2080. The Permit Holder shall use the following LANDGEM User Input Data: methane generation rate (k) = 0.02 $year^{-1}$, potential methane generation capacity (L_0) = 100 m^3/Mg, methane content = 50%. The Permit Holder shall use the best available data for the amount of decomposable materials placed in the landfill from 1980 through 2008. For calendar year 2009 and later, the Permit Holder shall use the annual decomposable material placement data recorded pursuant to Part 22. For the user-specified NMOC concentration in LANDGEM, the Permit Holder shall use the most recent three-year average NMOC concentration data (ppmv of NMOC expressed as hexane and corrected to 50% methane) recorded pursuant to Part 14b.

iii. Each reassessment report shall include the fugitive POC emission rate determined for the current calendar year and for each subsequent year through the projected peak landfill gas generation year. Fugitive POC emissions shall be determined using the following equation:

$POC_{fugitive} = NMOC_{generated} * 0.25 * 0.98$

where: $POC_{fugitive}$ is the projected amount of fugitive POC emissions (tons/year) for a particular calendar year

$NMOC_{generated}$ is the projected amount of NMOC generated (tons/year) as determined by LANDGEM using the User-Input Data discussed above.

0.25 is the assumed fugitive emission fraction (75% captured and 25% fugitive) for the total NMOC generated

0.98 is the assumed POC fraction (by weight) of the total NMOC emission rate

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S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

iv. The current and projected annual fugitive POC emission rates determined per Part 17b(iii) shall be compared to the fugitive POC emission limits in the table in Part 17a. If the projected peak fugitive POC emission rate for the landfill is less than the maximum POC emissions limit in the table, the Permit Holder may, at his or her discretion, request that the District modify the Part 17a table limits and ERC submittal requirements based on the updated fugitive POC emissions calculations. This condition change request shall be submitted in the form of a District permit application, and the District will handle the request as an administrative permit condition change. If the peak fugitive POC emissions for S-2 are projected to exceed the maximum fugitive POC emission limit of 111.506 tons/year, the Permit Holder must submit a permit application to request an increase of this limit by no later than October 1st of the year in which the fugitive POC emissions reassessment was due. In this latter case, the permit application cannot be handled administratively, but the District will review the circumstances leading to the need to increase the maximum fugitive POC emissions for the landfill to determine if the change constitutes an alteration or a modification of S-2.

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 124,400,000 cubic yards.
    (Basis: Regulation 2-1-301)

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

19. This part applies to any activities associated with or related to the S-2 Altamont Landfill that generate particulate matter emissions including, but not limited to: waste and cover material delivery, placement, and compaction; on-site excavation of cover soil; and vehicle and mobile equipment travel on paved and unpaved roads within the property boundaries of Site # A2066.
    a. For current landfill operations associated with or supporting waste disposal in Fill Area 1, 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. This subpart shall remain in effect until waste disposal in Fill Area 1 ceases. (Basis: Regulations 2-1-403, 6-1-301, and 6-1-305)
    b. Effective upon commencement of waste disposal in Fill Area 2, the Permit Holder shall comply with the following particulate emission limits:
        i. Total particulate emissions from the S-2 Altamont Landfill and the associated waste and cover material excavation, delivery, placement, and compaction operations shall not exceed 387.5 tons of PM10 during any calendar year. (Basis: Regulation 2-1-301)
        ii. Each particulate emitting operation associated with S-2 shall be abated to the extent necessary to ensure compliance with the Ringelmann No. 1 limitation in Regulation 6-1-301. (Basis: Regulation 6-1-301)

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

c. Effective upon commencement of waste disposal in Fill Area 2, the main haul route for Fill Area 2, from the entrance gate off of Altamont Pass Road to the edge of the Fill Area 2 disposal area shall be paved with asphaltic concrete or other similar material. For these paved road segments, the Permit Holder shall employ all paved road dust control measures necessary to maintain compliance with the PM10 emission limits in subpart b. Paved road dust control measures may include: use of truck wash stations, sweeping, vacuuming, and water flushing to maintain an average paved road surface silt loading of 2.0 g/m^2 or less. If the average paved road surface silt loading is determined to be greater than 2.0 g/m^2, the Permit Holder shall limit the types and numbers of vehicles traveling on this paved road to ensure that the subpart b PM10 emission limits are not exceeded. (Basis: Regulation 2-1-403)

d. Effective upon commencement of waste disposal in Fill Area 2, any temporary roads used for delivering soil from on-site cover soil excavation areas to Fill Area 2 and any temporary roads within Fill Areas 2 used for waste or cover material delivery shall be paved with gravel or other aggregate based materials. For these gravel road segments, the Permit Holder shall employ all gravel road dust control measures necessary to maintain compliance with the PM10 emission limits in subpart b. Gravel road dust control measures may include: application of dust suppressants at least once per month and use of frequent water spraying during dry periods. If the average gravel road surface material silt content is greater than 6.4%, the Permit Holder shall limit the types and numbers of vehicles traveling on these gravel roads to ensure that the subpart b PM10 emission limits are not exceeded. (Basis: Regulation 2-1-403)

e. Effective upon commencement of waste disposal in Fill Area 2, the Permit Holder shall apply dust suppressants and water sprays to unpaved roads at a sufficient rate and frequency to ensure compliance with the subpart b PM10 emission limits. (Basis: Regulation 2-1-403)

f. Effective upon commencement of waste disposal in Fill Area 2, the Permit Holder shall use water sprays and dust suppressants at the active face and at soil stockpiles at the rate and frequency necessary to ensure compliance with the subpart b PM10 emission limits and to prevent wind erosion from these areas. (Basis: Regulation 2-1-403)

VI. Permit Conditions

Condition # 19235

FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

g. Inactive landfill surfaces shall be re-vegetated as soon as possible. If necessary, dust suppressants or water sprays shall be used on any inactive landfill surfaces without vegetation at the rate and frequency necessary to prevent wind erosion. (Basis: Regulation 2-1-403)

h. If the dust control measures in Part 19(c-g) are not sufficient to maintain compliance with the PM10 emission limits in Part 19(b), the Permit Holder shall employ any other measures deemed necessary by the APCO. Such additional control measures may include: increasing frequency of road sweeping, vacuuming, water flushing, dust suppressant applications, or water spray applications; using additional truck wash stations; and paving additional road segments, parking areas, or equipment staging areas with asphaltic concrete, gravel, or other appropriate materials. (Basis: Regulation 2-1-403)

i. In order to demonstrate compliance with the PM10 emission limit in Part 19(b)(i), the Permit Holder shall calculate and record the PM10 emission rate for the S-2 Altamont Landfill on an annual basis using APCO approved emission calculation methods. The Permit Holder shall obtain APCO approval for these calculation methods prior to commencing waste disposal at Fill Area 2. The PM10 calculation procedures shall be based on EPA's most recent AP-42 procedures and site-specific data collected pursuant to subparts j and k below. (Basis: Regulation 2-1-403)

j. Within six months of commencing waste disposal at Fill Area 2, and at least once every five years thereafter, the Permit Holder shall determine, using APCO approved procedures, the average paved road surface silt loading (g/m^2) for the main haul route to Fill Area 2, the average surface material silt content (%) for Fill Area 2 gravel road segments, the average surface material silt content for Fill Area 2 unpaved road segments, and the actual length of each road segment. (Basis: Regulation 2-1-403)

k. Upon commencing waste disposal in Fill Area 2, the Permit Holder shall maintain the following records in a District approved log:

   i. Maintain a description of the vehicle fleet traveling on each road segment within this site (types of vehicles, empty weights, loaded weights, and types of materials carried by the vehicles). For each calendar year, estimate the average vehicle fleet weight and the annual vehicle fleet trips for each road segment.

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Condition # 19235

FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

ii For each calendar year, estimate the amount of each type of cover material used at Fill Area 2, the total amount of all cover materials used at Fill Area 2, and the amount of soil excavated for cover material from on-site locations.

iii. Maintain a description of the types of off-road mobile equipment used at the active face (bulldozers, compactors, etc.) and the numbers of each type of equipment that are employed during an operating day. For each calendar year, estimate the annual operating hours at the active face for each type of equipment.

iv. Maintain a dust control plan that identifies the anticipated locations for dust suppressant and water spray applications, the types of dust suppressants that may be used, the application rates for each type of dust suppressant and for the water sprays, the anticipated application frequency for each type of dust suppressant and for the water sprays, a description of all paved road cleaning procedures (sweeping, vacuuming, water flushing), the anticipated frequency for all paved road cleaning procedures, the locations of truck wash stations, and truck wash station operating procedures.

v. For each calendar year, maintain sufficient records to demonstrate, to the APCO's satisfaction, that the dust control plan was properly implemented including any supporting documentation, such as rain fall data for each day of the year. For unpaved roads, these records should include the dates that dust suppressants were applied, the dates that water sprays were applied, and the frequency of water spray reapplications on these dates. On operating days when water sprays are not employed on unpaved road, the records shall include the reason why water sprays were not employed. For paved roads, these records should include the dates that the paved roads were cleaned and a description of the cleaning procedures used. For truck wash stations, maintain records of operating days. For areas other than roads, the records should include dates of dust suppressant application and frequency of water spray applications.

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FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

vi. All records shall be maintained on site or shall be made readily available to District staff upon request for at least 5 years from the date of entry.

(Basis: Regulation 2-1-403)

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).

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FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.

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Condition # 19235

FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.

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FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.

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FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

iv. Ensure that all contaminated soil is transferred from the tipping area to the active face immediately after spraying with water or vapor suppressant.

v. Ensure that contaminated soil in the tipping area is not disturbed by subsequent trucks. Trucks shall not drive over contaminated soil in the tipping area or track contaminated soil out of the tipping area on their wheels.

vi. Spray contaminated soil on the active face with water or vapor suppressant (to keep the soil visibly moist) until the soil can be covered with an approved covering.

vii. Limit the area of exposed soil on the active face to no more than 6000 ft2.

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.

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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

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

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.

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FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

22. To demonstrate compliance with Parts 17-21 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, 6-1-301, 6-1-305, 8-2-301, 8-40-301, 8-34-304, and 8-34-501)
    a. Record the total amount of municipal solid waste received at the landfill on a daily basis. Summarize the daily waste acceptance records for each calendar month.
    b. For each area or cell that is not controlled by a landfill gas collection system, maintain a record of the date that waste was initially placed in the area or cell. Record the cumulative amount of waste placed in each uncontrolled area or cell on a monthly basis.
    c. If the Permit Holder plans to exclude an uncontrolled area or cell from the collection system requirement, the Permit Holder shall also record the types and amounts of all non-decomposable waste placed in the area and the percentage (if any) of decomposable waste placed in the area.
    d. Record the initial operation date for each new landfill gas well and collector.
    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.
    g. Record the date on which waste placement in Fill Area 2 commences.
    h. Record the date on which waste placement in Fill Area 1 ceases.

VI. Permit Conditions

Condition # 19235

FOR: S-2 ALTAMONT LANDFILL - WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM, AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE;
S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

i. Effective upon commencement of waste disposal in Fill Area 2, the Permit Holder shall demonstrate compliance with the cumulative and annual average decomposable material placement limits in Part 17a by maintaining the following records in a District approved log. For the purposes of Part 17 and this subpart, decomposable materials shall include all wastes disposed of in either fill area of the landfill other than quantities of inert (non-decomposable) wastes recorded pursuant to subpart c, all daily cover materials that are decomposable, any decomposable materials that are used in the construction of the intermediate cover for an area unless the decomposable materials were placed on the uppermost surface and were being used for the purpose of erosion control or revegetation of the intermediate landfill surface.

   i. Maintain quarterly estimates of the total amount of all decomposable materials used for either daily or intermediate cover at each fill area of the landfill and summarize these estimates for each calendar year.

   ii. Using the waste acceptance records required by Part 22a-c and the decomposable cover material estimates required above, summarize the total amount (in tons) of decomposable materials placed in the landfill for each calendar year. If Fill Area 1 and Fill Area 2 are both accepting waste during a year, maintain separate calendar year totals for each fill area as well as the total calendar year decomposable material placement amount for the entire landfill. Clearly identify the type and amount of any inert or non-decomposable wastes that are being excluded from these annual totals.

   iii. Determine and record the cumulative amount (in tons) of decomposable materials placed in the S-2 Altamont Landfill as of December 31st for each calendar year. Prior to commencement of waste disposal in Fill Area 2, the best available decomposable material placement data shall be used to determine the cumulative amount of decomposable materials placed in Fill Area 1 of S-2.

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S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

iv. The cumulative amount of decomposable materials recorded pursuant to Part 22i(iii) shall be reported to the District pursuant to the annual information update request for this facility under S-2, source code: G7145580.

23. The annual report required by BAAQMD Regulation 8-34-411 shall be submitted in two semi-annual increments. The reporting periods and report submittal due dates for 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)

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 one or more of the other operational control devices at this site that have sufficient capacity to handle the additional gas load. 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, TBACT, and Regulations 2-5-302 and 8-34-301)

VI. Permit Conditions

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

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)

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)

VI. Permit Conditions

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

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.

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.

VI. Permit Conditions

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

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). Each annual source test shall be conducted no later than 12 months after the previous source test on that device. 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 procedures and notification may also be submitted in a combined document at least 14 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 60 days of the test date. The annual source tests shall determine the following:
    a. total flow rate of all gaseous fuel to each IC Engine (dry basis);
    b. concentrations (dry basis) of carbon dioxide (CO_2), nitrogen (N_2), oxygen (O_2), methane (CH_4), and total non-methane organic compounds (NMOC) in the combined gaseous fuel burned in each IC Engine
    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, TBACT, and Regulations 2-5-302, 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.

VI. Permit Conditions

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

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 # 20801
FOR: S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

1. Diesel fuel usage at S-193 shall not exceed 62,196 gallons during any consecutive 12-month period. (Basis: Regulation 2-1-301)

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 this engine.
   b. Monthly records of the amount of diesel fuel used at this 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 this engine or records demonstrating that only CARB diesel oil is burned in this engine.

   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)

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: Regulation 2-5-302)

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 Regulation 2-5-302)
   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 Regulation 2-5-302)
   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).

VI. Permit Conditions

Condition # 22850

For: S-199 Emergency Standby Diesel Engine Genset (Flare Station);
S-200 Emergency Standby Diesel Engine Genset (WWTP);
S-201 Emergency Standby Diesel Engine Genset (Maintenance Shop)

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3)]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).

   [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), (or, Regulation 2-6-501)]

VI. Permit Conditions

Condition # 22850

For: S-199 Emergency Standby Diesel Engine Genset (Flare Station);
S-200 Emergency Standby Diesel Engine Genset (WWTP);
S-201 Emergency Standby Diesel Engine Genset (Maintenance Shop)

5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:
The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

   [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(1)] or (e)(2)(B)(2)]

VI. Permit Conditions

Condition # 24061
FOR: S-29 GREEN WASTE STOCKPILES

1. The total amount of green waste (grass clippings, yard waste, landscape waste, wood waste, shredded green waste, shredded wood waste, or similar materials) received at S-29 from off-site locations shall not exceed 68,040 tons during any consecutive 12-month period. Food wastes shall not be stored or processed at S-29. (Basis: Cumulative Increase)

2. The S-29 Green Waste Stockpiles shall be watered down, as frequently as necessary, to prevent visible dust emissions during loading or unloading, as long as watering does not create a fire hazard, decomposition, or odor. Dry, dusty material shall be watered down before unloading from truck beds, as necessary to prevent visible emissions, as long as watering does not create a fire hazard, decomposition, or odor. To ensure compliance with this part, the Permit Holder shall visually observe all unloading, stockpiling, and loading operations and shall immediately initiate corrective actions, if any visible dust emissions are detected. (Basis: Regulation 6-1-301 and Regulation 2-6-503)

*3. Green waste shall be removed from the stockpiles, as frequently as necessary, to prevent decomposition and odors. (Basis: Regulation 1-301)
   a. If any stockpile is deemed to be odorous by a District inspector, the odorous stockpile shall be removed within 24 hours.
   b. If a District inspector finds odorous stockpiles associated with S-29 on two or more occasions during a 12-month period, the allowable stockpile storage time shall immediately be reduced to 7 days, and no green waste shall remain in a stockpile for more than 7 consecutive days.
   c. If the plant receives two or more Violation Notices from the District for "Public Nuisance" in any consecutive 12 month period, the owner/operator of this facility shall submit to the District, within 30 days, an application to modify the Permit to Operate to include the following additional odor control measures, as applicable, or any other measures that the District deems necessary and appropriate.
      i. Reduce the allowable stockpile storage time to 72 hours,
      ii. Modify stockpile dimensions or other storage practices to ensure that decomposition will not occur during storage,
      iii. Apply odor inhibitor solutions to the stockpiles at a District approved rate and frequency,
      iv. Discontinue use of green waste stockpiles during the ozone season or other appropriate time period.

VI. Permit Conditions

Condition # 24061
FOR: S-29 GREEN WASTE STOCKPILES

4. In order to demonstrate compliance with Parts 1-3, the owner/operator shall maintain the records required below. All records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District staff upon request. (Basis: Cumulative Increase and Regulations 2-6-501 and 6-1-301)
   a. Record the date, time, and amount of green waste received at each stockpile, and note if the green waste load came form an off-site location or the on-site green waste grinding operation.
   b. Summarize the total amount of green waste received from off-site locations for each month and for each consecutive rolling 12-month period.
   c. Record the date and time that water was applied to the stockpiles or associated loading or unloading operations.
   d. If a District inspector deems a stockpile to be odorous, record the date of inspection, the date the stockpile was declared odorous, the date the stockpile was removed, and describe what was done with the odorous stockpile.
   e. If the Part 3b or 3c(i) stockpile storage time limitations become applicable, the owner/operator shall begin recording the date, time, and amount of green waste removed from the stockpiles and shall determine and record the maximum stockpile storage time for each month and for each consecutive rolling 12-month period.

VI. Permit Conditions

Condition # 24062
FOR: S-30 PORTABLE GREEN WASTE GRINDING OPERATION

*1. The Portable Equipment Registration Permit (PERP) conditions issued by CARB for the S-30 Portable Green Waste Grinding Operation (PERP # 117640), or the PERP conditions for any equivalent PERP registered tub grinder used as S-30 instead of the PERP # 117640 tub grinder, are hereby incorporated by reference. (Basis: CARB PERP)

2. During any time that the S-30 Portable Green Waste Grinding Operation is operating at Site # A2066, the owner/operator shall visually observe all loading, unloading, and grinding operations to ensure that there are no visible emissions and to ensure that this operation complies with the Regulation 6-1-301 Ringelmann 1.0 limitation. If any visible dust emissions are detected, the owner/operator shall immediately initiate corrective actions to prevent visible emissions including watering down loads and applying water sprays to the grinding operation. (Basis: Regulations 2-6-503 and 6-1-301)

3. During any time that the S-30 Portable Green Waste Grinding Operation is operating at Site # A2066, the owner/operator maintain daily records of the operating times for this source and the amount of material processed by this source. All records shall be kept on site for a minimum of five years from the date of entry and shall be made available to District staff upon request. (Basis: Regulations 2-6-503 and 6-1-311)

VI. Permit Conditions

Condition # 24255
For: S-210 LIQUEFIED NATURAL GAS PLANTS (LNG) PLANT

1. The S-210 Liquefied Natural Gas (LNG) Plant shall only process landfill gas collected from Fill Area 1 of the S-2 Altamont Landfill. (Basis: Offsets)

2. The landfill gas feed rate to S-210 shall not exceed the equivalent heat input rate 1950 MM BTU during any one day. (Basis: Cumulative Increase)

3. All waste gas streams from S-210 - which are generated during normal operations, during start-up procedures, during maintenance events, and during trips or other malfunctions - shall be recycled back to LNG Plant processing equipment, shall be recycled back to the gas collection and control system, or shall be vented to the A-16 Landfill Gas Flare for further control. Each waste gas stream vented to A-16 shall be burned with a sufficient amount of supplemental landfill gas for A-16 to maintain compliance with all applicable requirements. (Basis: Cumulative Increase and Regulation 8-34-301.4)

4. In order to demonstrate compliance with Part 2, the owner or operator of the S-210 LNG Plant shall comply with all of the following monitoring and record keeping requirements. All records shall be kept on site or 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: Cumulative Increase)
   a. The S-210 LNG Plant shall be equipped with a continuous gas flow meter and recorder, which shall measure the inlet landfill gas flow rate to S-210 and shall meet the requirements of Regulation 8-34-508.
   b. The owner or operator of S-210 shall measure and record the methane concentration in the landfill gas delivered to S-210 on a monthly basis.
   c. On a monthly basis, the owner or operator of S-210 shall use the data collected pursuant to Parts 4a and 4b to calculate and record the maximum daily and total monthly heat input rate to the S-210 LNG Plant.
   d. The owner or operator of S-210 shall summarize the Part 4c monthly heat input records for each consecutive rolling 12 month period.

VI. Permit Conditions

Condition # 24373

FOR: ALL NON-MOBILE COMBUSTION EQUIPMENT AT SITE # A2066 INCLUDING BUT NOT LIMITED TO LANDFILL GAS FIRED DEVICES (A-15, A-16, S-6, S-7, S-23, S-24) AND DIESEL FIRED ENGINES (S-31, S-193, S-199, S-200, S-201, S-206, S-208, S-217, S-218):

1. Carbon monoxide (CO) emissions from each landfill gas fired combustion device located at Site # A2066 shall not exceed the emission rate identified below, during any consecutive rolling 12-month period. Each CO limit in this part is derived from but does not replace source-specific emissions related limitations that may be contained in other permit conditions for these devices. (Basis: Cumulative Increase and Regulation 2-1-301)

A-15	Landfill Gas Flare:	93.268 tons of CO per year
A-16	Landfill Gas Flare:	115.632 tons of CO per year
S-6	Gas Turbine:	56.064 tons of CO per year
S-7	Gas Turbine:	56.064 tons of CO per year
S-23	IC Engine:	38.062 tons of CO per year
S-24	IC Engine:	38.062 tons of CO per year

2. Total site-wide carbon monoxide (CO) emissions from all non-mobile combustion equipment located at Site # A2066 shall not exceed 225.0 tons of CO during any consecutive rolling 12-month period. For the purposes of this condition, non-mobile combustion equipment includes all stationary and portable combustion devices other than mobile sources, as defined in 40 CFR Part 51.50. (Basis: Regulation 2-1-403: Avoidance of PSD)

3. To demonstration compliance with Parts 1 and 2, the owner or operator of Site # A2066 shall comply with the following record keeping procedures. (Basis: Regulations 2-1-301 and 2-1-403)
   a. For each stationary or portable non-mobile combustion device that is operated at Site # A2066 and has the potential to emit more than 2 tons per year of a regulated air pollutant, the owner or operator shall, on a monthly basis, calculate and record the CO emissions (tons of CO per calendar month) from the device. The CO emissions shall be calculated using District approved procedures, emission factors, and operating records, as described below for each type of device.

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FOR: ALL NON-MOBILE COMBUSTION EQUIPMENT AT SITE # A2066 INCLUDING BUT NOT LIMITED TO LANDFILL GAS FIRED DEVICES (A-15, A-16, S-6, S-7, S-23, S-24) AND DIESEL FIRED ENGINES (S-31, S-193, S-199, S-200, S-201, S-206, S-208, S-217, S-218):

i. For the A-15 and A-16 Landfill Gas Flares, the monthly CO emissions from each flare shall be calculated using the monthly heat input rate (MM BTU per month) to each flare and the District approved CO emission factor (pounds of CO per MM BTU). The monthly heat input rate to each flare is recorded pursuant to Condition # 19235, Part 15c. The District approved CO emission factor for each flare is the highest of the CO emission rates measured for any particular flare operating condition during the most recent annual source test for that flare. These CO emission rates shall be determined from data collected pursuant to Condition # 19235, Parts 13a-d.

ii. For the S-6 and S-7 Gas Turbines, the monthly CO emissions from each turbine shall be calculated using the monthly heat input rate (MM BTU per month) to each gas turbine and the District approved CO emission factor (pounds of CO per MM BTU) for each turbine. The monthly heat input rate to each turbine shall be calculated from data recorded pursuant to Condition # 18773, Part 8. The District approved CO emission factor for each turbine is the CO emission rate reported during the most recent annual source test for that turbine pursuant to Condition # 18773, Part 11g.

iii. For the S-23 and S-24 Internal Combustion Engines, the monthly CO emissions from each engine shall be calculated using the monthly heat input rate (MM BTU per month) to each engine and the monthly average CO emission factor (pounds of CO per MM BTU) for each engine. The monthly heat input rate to each engine is recorded pursuant to Condition # 19237, Part 11c. The monthly average CO emission factor for each engine shall be calculated and recorded using the monthly average CO concentrations recorded pursuant to Condition # 19237, Part 9a and a CO emissions correlation factor (pounds of CO per MM BTU per PPMV of CO at 15% O_2). This CO emissions correlation factor shall be determined from the most recent annual source test for each engine using data recorded pursuant to Condition # 19237, Parts 10a-d.

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FOR: ALL NON-MOBILE COMBUSTION EQUIPMENT AT SITE # A2066 INCLUDING BUT NOT LIMITED TO LANDFILL GAS FIRED DEVICES (A-15, A-16, S-6, S-7, S-23, S-24) AND DIESEL FIRED ENGINES (S-31, S-193, S-199, S-200, S-201, S-206, S-208, S-217, S-218):

iv. For diesel fired IC engines subject to this subpart (S-31, S-193, S-199, S-200, S-201, S-206, S-208, S-217, and S-209), the monthly CO emissions from each engine shall be calculated using the monthly operating rate (operating hours per month) for each engine, the rated power output (bhp) for each engine, the CARB certified emission factor (grams/bhp-hour) for each engine, and appropriate conversion factors. The monthly operating rates for each engine shall be determined from monthly records of the totalizing hour meter readings for each engine. If the engine is not equipped with a totalizing hour meter, monthly operating hours shall be determined based on daily operating time records for the engine while it is operating at this site.

v. For any other types of combustion devices subject to this subpart, the monthly CO emissions shall be calculated using District approved monthly operating rate records and District approved CO emission factors. The District approved CO emission factors are the same as those described below in Part 3b(i-ii) The District approved operating rate records shall be expressed in units appropriate for the CO emission factor for that device. If the device is equipped with a totalizing hour meter, fuel flow meter, or other continuous meter, the owner or operator shall use monthly records of meter readings to determine the monthly operating rate. If the device is not equipped with a meter, the owner or operator shall use either daily operating records or monthly fuel usage records to determine the monthly operating rate.

vi. The owner or operator shall maintain records of any supporting data used to determine the monthly CO emission rate from each device subject to this subpart. This data may include but is not limited to equipment capacities, fuels used, fuel heating values, certifications, guarantees, compliance demonstration test results, meter readings, operating records, calculation procedures, and conversion factors.

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FOR: ALL NON-MOBILE COMBUSTION EQUIPMENT AT SITE # A2066 INCLUDING BUT NOT LIMITED TO LANDFILL GAS FIRED DEVICES (A-15, A-16, S-6, S-7, S-23, S-24) AND DIESEL FIRED ENGINES (S-31, S-193, S-199, S-200, S-201, S-206, S-208, S-217, S-218):

vii. When CO emission factors need to be increased to reflect new source test data or new hand-held CO monitor data, the new emission factor shall become effective for the month in which the test was conducted and each subsequent month. If the new CO emission factor is lower than the factor currently in effect, the owner or operator has the option to continue using the higher factor and to not use this new lower factor. Any changes to the list of devices subject to this subpart, the CO emission factors, the monthly operating rates, and the resulting monthly CO emissions records shall be incorporated into these records within 6 months of the effective date of the new data.

b. For each stationary or portable non-mobile combustion device that is operated at Site # A2066 and has the potential to emit 2 tons per year or less of a regulated air pollutant, the owner or operator shall maintain a record of the maximum potential annual CO emissions (tons of CO per year) from each subject device and the total monthly CO emissions potential (tons of CO per month) from all of these less than significant sources. The maximum potential annual CO emissions from each device and the total monthly CO emissions potential from all devices shall be calculated using District approved procedures, emission factors, and maximum operating rates, as described below.

i. For internal combustion engines, District approved emission factors include (in order of priority): CARB certified emissions factors, CARB tier standards, EPA tier standards, and AP-42 emission factors.

ii. For combustion devices other than engines, District approved emission factors include (in order of priority): factors derived from an applicable District, state, or federal standards; factors derived from manufacturer's not to exceed emission rate guarantees; and AP-42 emission factors.

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FOR: ALL NON-MOBILE COMBUSTION EQUIPMENT AT SITE # A2066 INCLUDING BUT NOT LIMITED TO LANDFILL GAS FIRED DEVICES (A-15, A-16, S-6, S-7, S-23, S-24) AND DIESEL FIRED ENGINES (S-31, S-193, S-199, S-200, S-201, S-206, S-208, S-217, S-218):

iii. The District approved maximum operating rate for a device is equal to: either the maximum rated output (bhp) for an IC engine or the maximum rated heat input (MM BTU per hour based on the HHV of the fuel) for other combustion devices multiplied by either the maximum possible or maximum allowable annual operating rate for the device. An annual operating rate of less than 8760 hours/year (24 hrs/day and 365 days/year) may only be used if the device is subject to a District permit condition, District regulation, state ATCM, or federal NSPS/NESHAP that limits the annual operating time for that device.

iv. The maximum potential annual CO emissions (tons per year) from a device is equal to the District approved emission factor for the device multiplied by the District approved maximum operating rate for the device and any necessary conversion factors.

v. The total monthly CO emissions potential from less than significant sources (tons of CO per month) is equal to the sum of the maximum potential annual CO emissions from all less than significant sources subject to this subpart divided by 12.

vi. The owner or operator shall maintain records that identify all non-mobile combustion devices subject to this subpart. The owner or operator shall also maintain records of any data used to demonstrate that a source qualifies for this subpart or used to determine the maximum potential CO emissions from a device. This supporting data may include but is not limited to equipment capacities, fuels used, fuel heating values, certifications, guarantees, AP-42 emission factors, regulatory limits, calculation procedures, and conversion factors.

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FOR: ALL NON-MOBILE COMBUSTION EQUIPMENT AT SITE # A2066 INCLUDING BUT NOT LIMITED TO LANDFILL GAS FIRED DEVICES (A-15, A-16, S-6, S-7, S-23, S-24) AND DIESEL FIRED ENGINES (S-31, S-193, S-199, S-200, S-201, S-206, S-208, S-217, S-218):

vii. The total monthly CO emissions potential for less than significant sources shall be updated within 6 months of operating a new device to this site that is subject to this subpart. For PERP registered engines that may be changed or replaced frequently, the operator may determine a worst-case maximum potential annual CO emission rate for the activity based on the highest possible CO emission factor, the highest possible engine capacity, and the highest possible operating rate. If this worst-case engine scenario is used, total monthly CO emissions would not need to be updated for PERP engine replacements, provided the replacement PERP engine does not exceed any of the worst-case engine assumptions for that activity.

c. Using the monthly CO emissions data from each device recorded pursuant to subparts a and b above, the owner or operator shall calculate and record the total monthly CO emissions from all non-mobile combustion devices operated at this site.

d. Using the monthly site-wide CO emissions total from subpart c, the owner or operator shall calculate and record the total annual site-wide CO emissions from all non-mobile combustion devices, for each rolling consecutive 12-month period.

e. All records required by Parts 3a-d above shall be available for District inspection within 6 months of the final APCO approval date for the Change of Conditions associated with Application # 18819. All records shall be kept on-site or made readily available to District staff upon request, and all records shall be retained for at least five years from the date of entry.

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.

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

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

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

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S-2 ALTAMONT LANDFILL -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

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 Installation Dates	40 CFR 60.753 (a)(2) and 60.755 (b)(2)	Y	upon commencement of waste disposal in Fill Area 2	For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	40 CFR 60.758(a), (d)(1) and (d)(2), and 60.759(a)(3)	P/E	Records
Collection System Installation Dates	BAAQMD 8-34-304.2	Y		For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 19235, Part 22a-e	P/E	Records
Collection System Installation Dates	40 CFR 60.753 (a)(1) and 60.755 (b)(1)	Y	upon commencement of waste disposal in Fill Area 2	For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	40 CFR 60.758(a), (d)(1) and (d)(2)	P/E	Records

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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

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S-2 ALTAMONT LANDFILL -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Flow	40 CFR 60.753(a) and (e)	Y	upon com-mence-ment of waste disposal in Fill Area 2	Operate a gas collection system in each area or cell and vent all collected gases to a properly operating control system	40 CFR 60.756(b)(2) (i or ii) and 60.758(c)(2)	C or P/M	Gas Flow Meter and Recorder (every 15 minutes) or Monthly Inspection of Bypass Valve Lock and Records
Gas Flow	40 CFR 60.752 (b)(2)(iii) and 60.753(e) and (f)	Y	upon com-mence-ment of waste disposal in Fill Area 2	Operate a gas control system at all times when gas is vented to it	40 CFR 60.756(b)(2) (i or ii) and 60.758(c)(2)	C or P/M	Gas Flow Meter and Recorder (every 15 minutes) or Monthly Inspection of Bypass Valve Lock and Records
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

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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 Startup Shutdown or Malfunc-tion	40 CFR 60.755(e)	Y	upon com-mence-ment of waste disposal in Fill Area 2	≤ 5 days per event	40 CFR 60.7(b), 60.757(b), 60.757(f)(2), and (f)(4)	P/D	Operating Records (all occurrences and duration of each)
Control System Startup Shutdown or Malfunc-tion	40 CFR 60.755(e)	Y	upon com-mence-ment of waste disposal in Fill Area 2	≤ 1 hour per event	40 CFR 60.7(b), 60.757(b), 60.757(f)(2), and (f)(3)	P/D	Operating Records (all occurrences and duration of each)
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 per incident and ≤ 30 calendar days per 12-month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors (for gas flow and temperature)

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
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
Wellhead Pressure	40 CFR 60.753(b)	Y	upon com-mence-ment of waste disposal in Fill Area 2	< 0 psig (Applies to all wells that are connected to the vacuum system)	40 CFR 60.755(a)(3), 60.756(a)(1), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Temper-ature 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

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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	40 CFR 60.753(c)	Y	upon com-mence-ment of waste disposal in Fill Area 2	< 55 ^{o}C (Applies to all wells that are connected to the vacuum system, except for wells identified in Condition # 19235, Part 1d(ii))	40 CFR 60.755(a)(5), 60.756(a)(3), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
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

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Concen-trations at Wellhead	40 CFR 60.753(c)	Y	upon com-mence-ment of waste disposal in Fill Area 2	$N_2 < 20\%$ **OR** $O_2 < 5\%$	40 CFR 60.755(a)(5), 60.756(a)(2), and 60.758(c) and (e)	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		$\leq$ 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
Well Shutdown Limits	BAAQMD 8-34-117.5	Y		$\leq$ 24 hours per well or $\leq$ 5 wells per day for component replacements	BAAQMD 8-34-117.6 and 501.1	P/D	Records

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S-2 ALTAMONT LANDFILL -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

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 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

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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: $\leq$ 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
TOC	40 CFR 60.753(d)	Y	upon com-mence-ment of waste disposal in Fill Area 2	Surface Leak Limit: $\leq$ 500 ppmv as methane at 5-10 cm from surface	40 CFR 60.755(c)(1), (4) and (5), 60.756(f), and 60.758(c) and (e)	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

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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 8-34-301.3 and BAAQMD Condition # 19235, Part 9	Y		$\geq$ 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
NMOC	40 CFR 60.752 (b)(2)(iii)(B)	Y	upon com-mence-ment of waste disposal in Fill Area 2	$\geq$ 98% removal by weight OR < 20 ppmv, dry basis @ 3% O_2, expressed as hexane (applies to flares only)	40 CFR 60.8 and 60.752(b)(2)(iii)(B) and 60.758 (b)(2)(ii)	P/A	Annual Source Tests and Records
NMOC	BAAQMD Condition # 19235, Part 17a	Y	upon commenc ement of waste acceptanc e at Fill Area 2	Average NMOC in Landfill Gas: $\leq$ 600 ppmv expressed as hexane corrected to 50% methane (rolling 3-year average)	BAAQMD Condition # 19235, Part 14b	P/D	Records

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Combustion Zone Temperature (CZT)	BAAQMD Condition # 19235, Part 10	Y		For A-15: CZT $\geq$ 1481 °F, averaged over any 3-hour period For A-16: CZT $\geq$ 1509 °F, averaged over any 3-hour period	BAAQMD 8-34-501.3, 8-34-507	C	Temperature Sensor and Recorder (continuous)
CZT	40 CFR 60.758 (c)(1)(i)	Y	upon commencement of waste disposal in Fill Area 2	CZT $\geq$ CZT_{st} - 28 °C, averaged over any 3-hour period, where CZT_{st} is the average combustion zone temperature at the flare measured during the most recent complying source test	40 CFR 60.756(b)(1) and 60.758 (b)(2)(i)	C	Temperature Sensor and Recorder (measured every 15-minutes and averaged over 3 hours)
Opacity	BAAQMD 6-1-301 and SIP 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 6-1-301 and SIP 6-301	Y		For Flares: Ringelmann No. 1 for < 3 minutes/hr	None	N	NA

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-310 and SIP 6-310	Y		For Flares: $\leq$ 0.15 grains/dscf	None	N	NA
PM10	BAAQMD Condition # 19235, Part 19b	Y	upon commencement of waste disposal in Fill Area 2	Applies to S-43, S-44, On-Site Roads, Parking Areas, and Equipment Travel Areas: $\leq$ 387.5 tons per calendar year	BAAQMD Condition # 19235, Parts 19i and 19k	P/A	Records
Road Surface Silt Loading	BAAQMD Condition # 19235, Part 19c	Y	upon commencement of waste disposal in Fill Area 2	Applies to Paved Roads: $\leq$ 2.0 g/m^2 or limit vehicle travel as necessary to meet Condition # 19235, Part 19b PM10 limit	BAAQMD Condition # 19235, Part 19j	P/E (once every 5 years)	Silt Loading and Silt Content Analyses
Road Surface Material Silt Content	BAAQMD Condition # 19235, Part 19d	Y	upon commencement of waste disposal in Fill Area 2	Applies to Gravel Roads: $\leq$ 6.4% or limit vehicle travel as necessary to meet Condition # 19235, Part 19b PM10 limit	BAAQMD Condition # 19235, Part 19j	P/E (once every 5 years)	Silt Loading and Silt Content Analyses
NOx	BAAQMD Condition # 19235, Part 7a	Y		For A-15 Flare: $\leq$ 45 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

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition # 19235, Part 7b	Y		For A-16 Flare: $\leq$ 45 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 8a	Y		For A-15 Flare: $\leq$ 369 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
CO	BAAQMD Condition # 19235, Part 8b	Y		For A-16 Flare: $\leq$ 246 ppmv @ 3% O_2, dry, unless emissions $\leq$ 0.32 pounds/MM BTU	BAAQMD Condition # 19235, Parts 13 and 15	P/A	Annual Source Tests and Records
CO	BAAQMD Condition # 24373, Part 1	Y		For A-15 Flare: $\leq$ 93.268 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
CO	BAAQMD Condition # 24373, Part 1	Y		For A-16 Flare: $\leq$ 115.632 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
CO	BAAQMD Condition # 24373, Part 2	Y		Site-Wide Cap: $\leq$ 225.0 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records

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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 (due to flare emissions)	None	N	NA
SO_2	BAAQMD 9-1-302	Y		For Flares: $\leq$ 300 ppm (dry basis)	BAAQMD Condition # 18773, Part 10	P/M	Sulfur Analysis of Landfill Gas and Records
Sulfur Content in Landfill Gas	BAAQMD Condition # 19235, Part 11	Y		$\leq$ 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: $\leq$ 0.06 ppm, averaged over 3 minutes and $\leq$ 0.03 ppm, averaged over 60 minutes	None	N	NA
Con-densate Through-put	BAAQMD Condition # 19235, Part 3a	Y		For A-15 Flare: $\leq$ 4320 gallons / day	BAAQMD Condition # 19235, Part 15d	P/D	Records
Con-densate Through-put	BAAQMD Condition # 19235, Part 3b	Y		For A-16 Flare: $\leq$ 7200 gallons / day	BAAQMD Condition # 19235, Part 15d	P/D	Records

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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 # 19235, Part 4a-b	Y		For A-15 Flare: ≤ 1704 E6 BTU / day and ≤ 621,785 E6 BTU / year	BAAQMD Condition # 19235, Parts 6 and 15c	C, P/M	Gas Flow Meter and Records
Heat Input	BAAQMD Condition # 19235, Part 4c-d	Y		For A-16 Flare: ≤ 3168 E6 BTU / day and ≤ 1,156,320 E6 BTU / year	BAAQMD Condition # 19235, Parts 6 and 15c	C, P/M	Gas Flow Meter and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Acrylonitrile: ≤ 300 ppbv in LFG or < 70 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characteri-zation Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Benzene: ≤ 3400 ppbv in LFG or < 1166 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characteri-zation Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Benzyl Chloride: ≤ 500 ppbv in LFG or < 278 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characteri-zation Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Carbon Tetrachloride: ≤ 100 ppbv in LFG or < 68 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characteri-zation Analysis and Records

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Chloroform: ≤ 100 ppbv in LFG or < 52 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		1,4 Dichlorobenzene: ≤ 2600 ppbv in LFG or < 1678 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Ethyl Benzene: ≤ 30,000 ppbv in LFG or < 13,987 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Ethylene Dichloride: ≤ 700 ppbv in LFG or < 304 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Ethylidene Dichloride: ≤ 1400 ppbv in LFG or < 608 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Isopropyl Alcohol: ≤ 200,000 ppbv in LFG or < 54,782 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Methyl Alcohol: ≤ 600,000 ppbv in LFG or < 84,472 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Methylene Chloride: ≤ 12,000 ppbv in LFG or < 4476 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Methyl Ethyl Ketone: ≤ 200,000 ppbv in LFG or < 63,331 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Perchloroethylene: ≤ 7300 ppbv in LFG or < 5316 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		1,1,2,2 Tetrachloroethane: ≤ 400 ppbv in LFG or < 295 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Toluene: ≤ 200,000 ppbv in LFG or < 80,925 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Trichloroethylene: $\leq$ 1600 ppbv in LFG or < 923 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Vinyl Chloride: $\leq$ 1100 ppbv in LFG or < 302 pounds/year of fugitive emissions from S-2	BAAQMD Condition # 19235, Parts 14-15	P/A	Gas Characterization Analysis and Records
TAC Limits	BAAQMD Condition # 19235, Part 12	N		Total Xylenes: $\leq$ 90,000 ppbv in LFG or < 41,960 pounds/year of fugitive emissions from S-2	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: $\leq$ 11,150 tons/day Sludge: $\leq$ 5,000 tons/day Design Capacity: $\leq$ 124,400,000 yd^3 (cumulative amount of all solid waste) Decomposable Wastes: $\leq$ 47,100,000 tons (cumulative amount of all decomposable wastes, which applies until waste acceptance at Fill Area 2 commences)	BAAQMD Condition # 19235, Part 22a	P/D	Records

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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 Waste Accepted and Disposed	BAAQMD Condition # 19235, Part 17a	Y	upon commencement of waste acceptance at Fill Area 2 and until 1/2/15	Decomposable Wastes: $\leq$ 48,337,000 tons (cumulative amount of all decomposable wastes in both fill areas) and Annual Decomposable Material Placement Rate: $\leq$ 1,630,000 tons/year	BAAQMD Condition # 19235, Part 22a	P/D	Records
POC	BAAQMD Condition # 19235, Part 17a	Y	upon commencement of waste acceptance at Fill Area 2 and until 1/2/15	Fugitive POC Emissions from S-2: < 73.654 tons/year	BAAQMD Condition # 19235, Part 17b	P/D	Records

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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 Waste Accepted and Disposed	BAAQMD Condition # 19235, Part 17a	Y	from 1/2/15 until 1/2/17 and contingent upon submittal of 4.349 tons/year of POC ERCs	Decomposable Wastes: ≤ 51,557,000 tons (cumulative amount of all decomposable wastes in both fill areas) and Annual Decomposable Material Placement Rate: ≤ 1,610,000 tons/year	BAAQMD Condition # 19235, Part 22a	P/D	Records
POC	BAAQMD Condition # 19235, Part 17a	Y	from 1/2/15 until 1/2/17 and contingent upon submittal of 4.349 tons/year of POC ERCs	Fugitive POC Emissions from S-2: < 77.436 tons/year	BAAQMD Condition # 19235, Part 17b	P/D	Records

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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 Waste Accepted and Disposed	BAAQMD Condition # 19235, Part 17a	Y	from 1/2/17 until 1/2/19 and contingent upon submittal of 4.167 tons/year of POC ERCs	Decomposable Wastes: ≤ 54,777,000 tons (cumulative amount of all decomposable wastes in both fill areas) and Annual Decomposable Material Placement Rate: ≤ 1,610,000 tons/year	BAAQMD Condition # 19235, Part 22a	P/D	Records
POC	BAAQMD Condition # 19235, Part 17a	Y	from 1/2/17 until 1/2/19 and contingent upon submittal of 4.167 tons/year of POC ERCs	Fugitive POC Emissions from S-2: < 81.059 tons/year	BAAQMD Condition # 19235, Part 17b	P/D	Records

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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 Waste Accepted and Disposed	BAAQMD Condition # 19235, Part 17a	Y	from 1/2/19 until 1/2/21 and contingent upon submittal of 4.003 tons/year of POC ERCs	Decomposable Wastes: ≤ 57,997,000 tons (cumulative amount of all decomposable wastes in both fill areas) and Annual Decomposable Material Placement Rate: ≤ 1,610,000 tons/year	BAAQMD Condition # 19235, Part 22a	P/D	Records
POC	BAAQMD Condition # 19235, Part 17a	Y	from 1/2/19 until 1/2/21 and contingent upon submittal of 4.003 tons/year of POC ERCs	Fugitive POC Emissions from S-2: < 84.540 tons/year	BAAQMD Condition # 19235, Part 17b	P/D	Records

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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 Waste Accepted and Disposed	BAAQMD Condition # 19235, Part 17a	Y	Incre-mental increases from 1/2/21 until 1/2/37 and contin-gent upon submittal of a total of 31.011 tons/year of POC ERCs in required incre-ments	Final Limit for Decomposable Wastes: $\leq$ 88,000,000 tons (cumulative amount of all decomposable wastes in both fill areas) and Annual Decomposable Material Placement Rate: $\leq$ 1,610,000 tons/year	BAAQMD Condition # 19235, Part 22a	P/D	Records

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition # 19235, Part 17a	Y	Incre-mental increases from 1/2/21 until 1/2/37 and contin-gent upon submittal of a total of 31.011 tons/year of POC ERCs in required incre-ments	Final Limit for Fugitive POC Emissions from S-2: < 111.506 tons/year	BAAQMD Condition # 19235, Part 17b	P/D	Records
Contami-nated Soil Disposal Rate	BAAQMD Condition # 19235, Part 21g	Y		$\leq$ 6000 tons per day	BAAQMD Condition # 19235, Part 21m	P/E	Records
Amount of Contami-nated Soil Aerated or Used as Cover	BAAQMD 8-40-116.1	Y		$\leq$ 1 cubic yard per project	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 -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

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 8-40-116.2	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
Contaminated Soil Handling	BAAQMD Condition # 19235, Part 21e	Y		Limited to 2 on-site transfers per lot of contaminated soil	BAAQMD Condition # 19235, Part 21m	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 ALTAMONT LANDFILL -WASTE DECOMPOSITION PROCESS, EQUIPPED WITH LANDFILL GAS COLLECTION SYSTEM AND ABATED BY A-15 LANDFILL GAS FLARE AND A-16 LANDFILL GAS FLARE; S-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND S-44 ALTAMONT LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.2	Y		< 15 consecutive days per incident and ≤ 30 calendar days per 12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors
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
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-301.2	Y		Component Leak Limit: ≤ 1000 ppmv as methane	BAAQMD 8-34-501.6 and 503	P/Q	Quarterly Inspection of control system components with Portable Analyzer and Records
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-301.4	Y		≥ 98% removal by weight OR < 120 ppmv, dry basis @ 3% O_2, expressed as methane	BAAQMD 8-34-412 and 501.4	P/A	Annual Source Tests and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-6 GAS TURBINE 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
Combus-tion Chamber Discharge Temper-ature (CCDT)	BAAQMD Condition # 18773, Part 9	Y		855 °F ≤ CCDT ≤ 1220 °F averaged over any 3-hour period	BAAQMD 8-34-501.11 and 509 and BAAQMD Condition # 18773, Part 9	C	Temperature Sensor and Recorder
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		≤ Ringelmann No. 1 for < 3 minutes/hour	None	N	NA
FP	BAAQMD 6-1-310 and SIP 6-310	Y		≤ 0.15 grains/dscf	None	N	NA
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours	None	N	NA
SO_2	BAAQMD 9-1-302	Y		≤ 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 9-9-301.2	N		Limits for Turbines 50-150 E6 BTU/hour (WI/SI available), fired on Waste Gas: < 2.34 lbs/MW-hr or < 50 ppmv at 15% O_2, dry basis	BAAQMD 9-9-504 and BAAQMD Condition # 18773, Part 11	P/A	Annual Source Tests
NO_x	BAAQMD and SIP 9-9-301.1	Y		$\leq$ 42 ppmv, at 15% O_2, dry basis	BAAQMD 9-9-504 and 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 = 0.015 % or $\leq$ 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 E6 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 E6 BTU	BAAQMD Condition # 18773, Part 11	P/A	Annual Source Tests
CO	BAAQMD Condition # 24373, Part 1	Y		For S-6 Gas Turbine: $\leq$ 56.064 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
CO	BAAQMD Condition # 24373, Part 1	Y		For S-7 Gas Turbine: $\leq$ 56.064 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
CO	BAAQMD Condition # 24373, Part 2	Y		Site-Wide Cap: $\leq$ 225.0 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	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
Heat Input	BAAQMD Condition # 18773, Part 8	Y		For Each Turbine: < 1,378 E6 BTU / day and For Both Turbines: < 838,480 E6 BTU during any consecutive rolling 12-month period	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: $\leq$ 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: $\leq$ 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		$\leq$ 240 hours per year and $\leq$ 5 consecutive days	BAAQMD 8-34-501.2	P/D	Operating Records
Periods of Inopera-tion for Para-metric 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)
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: $\leq$ 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

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
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		≤ 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 6-1-301 and SIP 6-301	Y		≤ Ringelmann No. 1 for < 3 minutes/hour	None	N	NA
FP	BAAQMD 6-1-310 and SIP 6-310	Y		≤ 0.15 grains/dscf	None	N	NA
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours	None	N	NA

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 9-1-302	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	N		Waste Fuel Gas, Lean-Burn $\leq$ 70 ppmv, dry basis @ 15% O_2	BAAQMD 9-8-503 and BAAQMD Condition # 19237, Parts 11-12	P/Q and P/A	Portable Analyzers and Annual Source Tests and Records
NO_x	SIP 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 and SIP 9-8-302.3	Y		Waste Fuel Gas: $\leq$ 2000 ppmv, dry basis @ 15% O_2	BAAQMD 9-8-503 and BAAQMD Condition # 19237, Parts 11-12	P/A	Portable Analyzers and 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
CO	BAAQMD Condition # 19237, Part 7	Y		$\leq$ 207 ppmv, at 15% O_2, dry basis, unless emissions $\leq$ 2.1 grams / bhp-hour	BAAQMD Condition # 19237, Parts 11-12	P/A	Annual Source Tests and Records
CO	BAAQMD Condition # 24373, Part 1	Y		For S-23 IC Engine: $\leq$ 38.062 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
CO	BAAQMD Condition # 24373, Part 1	Y		For S-24 IC Engines: $\leq$ 38.062 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
CO	BAAQMD Condition # 24373, Part 2	Y		Site-Wide Cap: $\leq$ 225.0 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
Heat Input	BAAQMD Condition # 19237, Part 2	Y		$\leq$ 420 E6 BTU per day (for each engine) and $\leq$ 153,300 E6 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-29 GREEN WASTE STOCKPILES

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put	BAAQMD Condition # 24061, Part 1	Y		< 68,040 tons of green waste during any consecutive 12-month period	BAAQMD Condition # 24061, Part 4	P/E	Records of Each Load Received
Odors	BAAQMD Condition # 24061, Part 3a	N		Remove Any Odorous Stockpile: within 24 hours	BAAQMD Condition # 24061, Parts 3, 4d, and 4e	P/E	Observation for Odors and Stockpile Storage Time Limitations and Records
Total Carbon Emissions	BAAQMD 8-2-301	Y		≤ 15 pounds per day OR ≤ 300 ppmv, dry basis	None	N	NA
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No. 1 for < 3 minutes in any hour	BAAQMD Condition # 24061, Part 2	P/E	Visual Observation During All Material Handling Events

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S-30 PORTABLE GREEN WASTE GRINDING OPERATION

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No. 1 for < 3 minutes in any hour	BAAQMD Condition # 24062, Part 2	P/E	Visual Observation During Operation
Particu-late Matter (PM)	BAAQMD 6-1-311 and SIP 6-311	Y		$E = 0.026(P)^{0.67}$ where: E = Allowable Emission Rate (lb/hr); and P = Process Weight Rate (lb/hr) Maximum Allowable Emission Rate = 40 lb/hr For P >57,320 lb/hr (or P > 28.66 tons/hr)	BAAQMD Condition # 24062, Part 3	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
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		$\leq$ 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		$\leq$ 1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501.1 and 8-7-503.2	P/E	Records
Organic Com-pounds	SIP 8-5-303.2	Y		Tank Pressure Vacuum Valve Shall Be: Gas Tight or < 500 ppmv (expressed as methane above background for PRVs, as defined in SIP 8-5-206)	SIP 8-5-403 and 8-5-503	P/E (semi-annual)	Inspection with Portable Hydro-carbon Detector
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
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 8-7-301.6	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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
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
Defective Component Records Repair/ Replacement Time Limit	BAAQMD 8-7-302.4	Y		$\leq$ 7 days	BAAQMD 8-7-503.2	P/E	Records
Liquid Removal Rate	BAAQMD 8-7-302.8	Y		$\geq$ 5 ml per gallon dispensed, when dispensing rate > 5 gallons/minute	CARB EO G-70-116-F	P/E	CARB Certification Procedures
Liquid Retain from Nozzles	BAAQMD 8-7-302.12	Y		$\leq$ 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		$\leq$ 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: $\geq$ 2.5 inches of water, gauge	CARB EO G-70-116-F	P/E	CARB Certification Procedures
Pressure-Vacuum Valve Settings	SIP 8-5-303.1	Y		Pressure Setting: $\geq$ 10% of maximum working pressure or $\geq$ 0.5 psig	SIP 8-5-403 and CARB EO G-70-116-F	P/E	Inspections and CARB Certification Procedures

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
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
Discon-nection Liquid Leaks	CARB EO G-70-116-F, paragraph 12	N		$\leq$ 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 – H
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 per Day or ≤ 300 ppm, dry basis	BAAQMD Condition # 20922, Parts 4-5	P/D, P/M, and P/Q	Operating Rate Records, Wastewater Throughput Records, and 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 and P/M	Operating Rate Records and 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	VOC Content Analyses and Records
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, P/M, and P/Q	Operating Rate Records, Wastewater Throughput Records, VOC Content Analyses, and Emission Calculation Procedures

VII. Applicable Limits and Compliance Monitoring Requirements

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

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Toxic Compound Concentration Limits for Wastewater	BAAQMD Condition # 20922, Part 3	N		Compound ≤ ppbw Benzene 80 Chloroform 470 1,4 Dichlorobenzene 1020 Methylene Chloride 2530 Naphthalene 3590 Perchloroethylene 430 Trichloroethylene 1290 Vinyl Chloride 30	BAAQMD Condition # 20922, Parts 4-5	P/Q	VOC Content Analyses and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303 and SIP 6-303	Y		Ringelmann 2.0 for 3 minutes in any hour	None	N	NA
FP	BAAQMD 6-1-310 and SIP 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: $\leq$ 0.5% Sulfur by weight	BAAQMD Condition # 20801, Part 2d and CCR Title 13 Section 2281(a) (2 and 5), Title 17, Sections 93115.5 and 93115.10	P/E	Vendor Certification or Records of CARB Diesel Fuel Use

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Liquid Fuel Sulfur Content	CCR. Title 17, Section 93115.5 (b) and CCR Title 13, Section 2281(a) (2 and 5)	N		Standby Engines in California Must Use CARB Diesel Fuel or a CARB Approved Alternative Fuel: ≤ 15 ppmw of Sulfur	CCR Title 13 Section 2281(a) (2 and 5), Title 17, Sections 93115.5 and 93115.10	P/E	CARB Diesel Fuel Content Limit, Sales Restrictions, Usage Require-ments, and Records
CO	BAAQMD Condition # 24373, Part 2	Y		Site-Wide Cap: ≤ 225.0 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
Fuel Usage	BAAQMD Condition # 20801, Part 1	Y		≤ 62,196 gallons per year	BAAQMD Condition # 20801, Part 2	P/M	Records
Operating Hours	BAAQMD 9-8-330.3	N		For Reliability Related Activities: ≤ 20 hours in a calendar year	BAAQMD 9-8-530	C and P/M	Hour Meter and Records
Operating Hours	40 CFR 63.6640 (f)(1)(ii)	Y	5/3/13	For Maintenance Checks, Readiness Testing, and Other Non-Emergency Operation: ≤ 100 hours in a calendar year	40 CFR 63.6625(f) and 63.6655(f)(2)	C and P/M	Hour Meter and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – I
Applicable Limits and Compliance Monitoring Requirements
S-193 DIESEL ENGINE (FOR FIRE PUMP AT GAS PLANT)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Operating Hours	40 CFR 63.6640 (f)(1)(iii)	Y	5/3/13	For Non-Emergency Operation: ≤ 50 hours in a calendar year	40 CFR 63.6625(f) and 63.6655(f)(2)	C and P/M	Hour Meter and Records
Operating Hours	CCR Title 17 Section 93115.6 (b)(3)(A)(1)(a)	N		For Reliability Related Activities: ≤ 20 hours in a calendar year (for engines emitting > 0.40 g/bhp-hr of diesel PM)	CCR Title 17 Section 93115.10 (d)(1) and (f)(1)	C and P/M	Hour Meter and Records
Idle Time	40 CFR 63.6625(h)	Y	5/3/13	≤ 30 minutes for start-up	None	N	NA
Maintenance Events	40 CFR Part 63, Subpart ZZZZ Table 2c 1.a.	Y	5/3/13	Change Oil and Filter: Every 500 Hours of Operation or Annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records
Maintenance Events	40 CFR Part 63, Subpart ZZZZ Table 2c 1.b.	Y	5/3/13	Inspect Air Cleaner: Every 1,000 Hours of Operation or Annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records
Maintenance Events	40 CFR Part 63, Subpart ZZZZ Table 2c 1.c.	Y	5/3/13	Inspect Hose and Belts and (if necessary) Replace Hoses and Belts: Every 500 Hours of Operation or Annually, whichever comes first	40 CFR 63.6655(e)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303 and SIP 6-303	Y		Ringelmann 2.0 for 3 minutes in any hour	None	N	NA
FP	BAAQMD 6-1-310 and SIP 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: $\leq$ 0.5% Sulfur by weight	BAAQMD Condition # 22850, Parts 3-4 and CCR Title 13 Section 2281(a) (2 and 5), Title 17, Sections 93115.5 and 93115.10	P/E	Records of CARB Diesel Fuel Use

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Liquid Fuel Sulfur Content	CCR. Title 17, Section 93115.5 (a) and CCR Title 13, Section 2281(a) (2 and 5)	N		Standby Engines in California Must Use CARB Diesel Fuel or a CARB Approved Alternative Fuel: ≤ 15 ppmw of Sulfur	BAAQMD Condition # 22850, Parts 3-4 and CCR Title 13 Section 2281(a) (2 and 5), Title 17, Sections 93115.5 and 93115.10	P/E	CARB Diesel Fuel Content Limit, Sales Restrictions, Usage Require-ments, and Records
Fuel Require-ment	40 CFR 60.4207(b)	Y		Must Use Diesel Fuel That Meets the Requirements of 40 CFR 80.510(b): ≤ 15 ppmw of Sulfur Cetane Index ≥ 40 or Aromatic ≤ 35% by volume	BAAQMD Condition # 22850, Parts 3-4	P/E	Records
Operating Hours	BAAQMD Condition # 22850, Part 1	Y		For Reliability Related Activities: ≤ 50 hours in a calendar year	BAAQMD Condition # 22850, Parts 3-4	C and P/M	Hour Meter and Records
Operating Hours	BAAQMD 9-8-330.3	N		For Reliability Related Activities: ≤ 50 hours in a calendar year	BAAQMD 9-8-530	C and P/M	Hour Meter and Records
Operating Hours	CCR Title 17 Section 93115.6 (a)(3)(A) (1)(c)	N		For Reliability Related Activities: ≤ 50 hours in a calendar year	CCR Title 17 Section 93115.10 (d)(1) and (f)(1)	C and P/M	Hour Meter and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S-199 EMERGENCY STANDBY DIESEL ENGINE GENSET (FLARE STATION); S-200 EMERGENCY STANDBY DIESEL ENGINE GENSET (WWTP); S-201 EMERGENCY STANDBY DIESEL ENGINE GENSET (MAINTENANCE SHOP)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition # 24373, Part 2	Y		Site-Wide Cap: ≤ 225.0 tons of CO during any consecutive rolling 12-month period	BAAQMD Condition # 24373, Part 3	P/M	Records
Tier Standards	40 CFR 60.4205(b)	Y		Meet Applicable Tier Standard: NMHC+NOx: ≤ 4.0 g/kW-hr CO: ≤ 3.5 g/kW-hr PM: ≤ 0.20 g/kW-hr and ≤ 20% Opacity during acceleration ≤ 15% Opacity during lugging ≤ 50% Opacity during peaks	40 CFR 89.112-113	P/E	Engine Certification Require-ments
CARB Tier Standards	CCR Title 17 Section 93115.6 (a)(3)(A)(1)(a)	N		Meet Applicable CARB Tier Standard: NMHC+NOx: ≤ 4.0 g/kW-hr CO: ≤ 3.5 g/kW-hr PM: ≤ 0.20 g/kW-hr	CCR Title 17 Section 93115.6(3)	P/E	Engine Certification Require-ments

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-210 LIQUEFIED NATURAL GAS PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-18-301	N		No Equipment Shall Have Fugitive Emission Leaks > 100 ppmv of VOC, unless discovered by the operator, minimized within 24 hours, and repaired within 7 days	BAAQMD 8-18-401, 501, and 502	P/Q	Inspection with Portable Hydro-carbon Detector and Records
VOC	BAAQMD 8-18-302	N		No Valves Shall Have Fugitive Emission Leaks > 100 ppmv of VOC, unless discovered by the operator, minimized within 24 hours, and repaired within 7 days, or it complies with 8-18-306	BAAQMD 8-18-401, 501, and 502	P/Q	Inspection with Portable Hydro-carbon Detector and Records
VOC	BAAQMD 8-18-303	N		No Pumps or Compressors Shall Have Fugitive Emission Leaks > 500 ppmv of VOC, unless discovered by the operator, minimized within 24 hours, and repaired within 7 days, or it complies with 8-18-306	BAAQMD 8-18-401, 501, and 502	P/Q	Inspection with Portable Hydro-carbon Detector and Records
VOC	BAAQMD 8-18-304	N		No Connectors Shall Have Fugitive Emission Leaks > 100 ppmv of VOC, unless discovered by the operator, minimized within 24 hours, and repaired within 7 days, or it complies with 8-18-306	BAAQMD 8-18-401, 501, and 502	P/Q	Inspection with Portable Hydro-carbon Detector and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-210 LIQUEFIED NATURAL GAS PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-18-305	N		No Pressure Relief Devices Shall Have Fugitive Emission Leaks > 500 ppmv of VOC, unless discovered by the operator, minimized within 24 hours, and repaired within 7 days	BAAQMD 8-18-401, 501, and 502	P/Q	Inspection with Portable Hydro-carbon Detector and Records
Liquid Leaks	BAAQMD 8-18-307	N		None Allowed, unless discovered by the operator, minimized within 24 hours, and repaired within 7 days	BAAQMD 8-18-403 and 502	P/D	Visual Inspection and Records
TOC (Total Organic Com-pounds Plus Methane)	BAAQMD 8-34-301.2	Y		Component Leak Limit: $\leq$ 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 # 24255, Part 3	Y		$\geq$ 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
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		$\leq$ 240 hours per year and $\leq$ 5 consecutive days	BAAQMD 8-34-501.2	P/D	Operating Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S-210 LIQUEFIED NATURAL GAS PLANT

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Through-put	BAAQMD Condition # 24255, Part 2	Y		< 1950 E6 BTU during any one day	BAAQMD Condition # 24255, Part 4	P/D	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 included in Section VII, Applicable Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301 and SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; or US EPA Reference Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources
BAAQMD 6-1-303 and SIP 6-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; or US EPA Reference Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources
BAAQMD 6-1-310 and SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling, or For combustion equipment: US EPA Reference Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-311 and SIP 6-311	Process Weight Rate Based Emissions Limits	Manual of Procedures, Volume IV, ST-15, Particulates Sampling, or US EPA Reference Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 8-2-301 and SIP 8-2-301	Total Organic Compound (TOC) Mass and Concentration Limitations for Miscellaneous Operations	For Operations Other Than Aeration of VOC-Laden Soil: Manual of Procedures, Volume IV, ST-7, Organic Compounds; or US EPA Reference Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or US EPA Reference Method 25A , Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer For Aeration of VOC Laden Soil: BAAQMD Regulation 8-40-604 measurement procedures and US EPA Method 21, Determination of Volatile Organic Compound Leaks (or any method determined to be equivalent by the US EPA and approved by the APCO)
SIP 8-5-303.2	Gas Tight Requirement for PRV	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-7-301.6	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.5	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.8	Liquid Removal Rate	Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility Liquid Removal Devices or ARB Test Method TP-201.6 Determination of Liquid Removal of Vapor Recovery Systems of Dispensing Facilities
BAAQMD 8-7-302.12	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet)
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 8-8-303 and 8-8-204	POC Leaks	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-18-301-305	VOC Leaks	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.2	Collection and Control System Component Leak Limitations	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.3	NMOC Emission Limits for Enclosed Flares	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or US EPA Reference Methods 18, 25, 25A, or 25C
BAAQMD 8-34-301.4	NMOC Emission Limits for Other Control Devices	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or US EPA Reference Methods 18, 25, 25A, or 25C
BAAQMD 8-34-303	Landfill Surface Leak Limit	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-305.1	Wellhead Gauge Pressure	APCO Approved Device

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-34-305.2	Wellhead Temperature	APCO Approved Device
BAAQMD 8-34-305.3	Wellhead Nitrogen	US EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-305.4	Wellhead Oxygen	US EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-412	Compliance Demonstration Test	US 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 8-40-116.2	Organic Content Limit for Small Volume Exemption	BAAQMD 8-40-601 and US EPA Reference Methods 8015B and 8021B
BAAQMD 8-40-301	Limits on Uncontrolled Aeration of Contaminated Soil	BAAQMD 8-40-601 and US EPA Reference Methods 8015B and 8021B; or US EPA Reference Method 21
BAAQMD 9-1-301	Limitations on Ground Level Concentrations (SO_2)	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-1-302	General Emission Limitation (SO_2)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling
BAAQMD 9-1-304	Liquid 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 and SIP 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 and SIP 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

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-8-304.1	NO_x Emission Limit for Compression-Ignited Engines (51 to 175 bhp)	For Source Tests: Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling; and For Quarterly Compliance Checks Conducted Pursuant to Regulation 9-8-503: Portable NO_x, and O_2 Analyzers calibrated and used in accordance with manufacturer's recommended procedures with NO_x readings averaged over a consecutive 15-minute period
BAAQMD 9-8-304.1	CO Emission Limit for Compression-Ignited Engines (51 to 175 bhp)	For Source Tests: Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling; and For Quarterly Compliance Checks Conducted Pursuant to Regulation 9-8-503: Portable CO and O_2 Analyzers calibrated and used in accordance with manufacturer's recommended procedures
BAAQMD 9-8-305	NO_x Emission Limit (delayed compliance option) for Compression-Ignited Engines (model year 1996 or later)	For Source Tests: Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling; and For Quarterly Compliance Checks Conducted Pursuant to Regulation 9-8-503: Portable NO_x, and O_2 Analyzers calibrated and used in accordance with manufacturer's recommended procedures with NO_x readings averaged over a consecutive 15-minute period
BAAQMD 9-8-305	CO Emission Limit (delayed compliance option) for Compression-Ignited Engines (model year 1996 or later)	For Source Tests: Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling; and For Quarterly Compliance Checks Conducted Pursuant to Regulation 9-8-503: Portable CO and O_2 Analyzers calibrated and used in accordance with manufacturer's recommended procedures
BAAQMD 9-9-301.1 and SIP 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
BAAQMD 9-9-301.2	NO_x Limit for Gas Turbines	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60.8	Performance Tests	US 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	US 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	US 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
40 CFR 60.752 (b)(2)(iii)(B)	NMOC Outlet Concentration and Destruction Efficiency Limits	US 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
40 CFR 60.753(b)	Wellhead Pressure	APCO Approved Device
40 CFR 60.753(c)	Temperature, N_2, and O_2 concentration in wellhead gas	US EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
40 CFR 60.753(d)	Methane Limit at Landfill Surface	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
40 CFR 60.758 (c)(1)(i)	Flare Combustion Zone Temperature Limit	Temperature Monitor and continuous recorder meeting the requirements of 40 CFR Part 60.756(b)(1)

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Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 80.510(b)	Diesel Fuel Sulfur, Cetane, and Aromatic Content Limits	ASTM D2622-94 or other ASTM or ISO approved test methods
40 CFR 89.112	Tier Standards (NMHC+NOx, CO, and PM) for Off-Road CI Engines	US EPA Approved Certification Procedures for Off-Road CI Engines
40 CFR 89.113	Smoke and Opacity Standards for Off-Road CI Engines	US EPA Approved Certification Procedures for Off-Road CI Engines
CCR, Title 13, Section 2281 (a)(2 and 5)	Liquid Fuel Sulfur Content Limit	ASTM D2622-94 or CARB Approved Equivalent
CCR, Title 17, Section 93115.6(a)(3)(A)(1)(a)	CARB Tier Standards (NMHC+NOx, CO, and PM) for Off-Road CI Engines	CARB or US EPA Approved Certification Procedures for Off-Road CI Engines
CCR, Title 17, Section 93116.3 (b)(2)	Diesel PM Limit for New Portable Compression-Ignition Engines	The CARB Certified PM Emission Rate, which is a weighted average of PM emissions that are determined using the ISO 8178 test methods for the five Type D2 test cycles, while the engines are fired on CARB approved fuel.
CCR Title 17, Section 93116.3 (c)(1)	Fleet Average PM Emission Limit for Portable Diesel-Fired Engines	Fleet Average Calculation Procedures Identified in CCR Title 17, Section 93116.3(d)
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 8	Gas Turbine Heat Input Limits	APCO approved gas flow meter and APCO approved calculation procedure described in BAAQMD Condition # 18773, Part 8
BAAQMD Condition # 18773, Part 9	Gas Turbine Combustion Chamber Discharge Temperature Limits	APCO Approved Device
BAAQMD Condition # 18773, Part 10	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 # 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 US EPA Reference Methods 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 a US 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 Limits	Manual of Procedure, Volume IV, ST-13A, Oxides of Nitrogen, 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 # 19235, Part 8	Flare CO Emission Limits	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	US EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
BAAQMD Condition # 19235, Part 13	Flare Source Test	Manual of Procedure, Volume IV, ST-7, Organic Compounds, ST-13A, Oxides of Nitrogen, Continuous Sampling, ST-6, Carbon Monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; OR US EPA Reference Methods 18, 25, 25A, or 25C and Method 20
BAAQMD Condition # 19235, Part 14	Gas Characterization Test	US EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
BAAQMD Condition # 19235, Part 17a	Limit on NMOC Concentration in Landfill Gas	US 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 Condition # 19235, Part 17a	Fugitive POC Emission Limits	APCO Approved Emission Calculation Procedures Identified in BAAQMD Condition # 19235 Part 17b

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 19235, Part 19b	Fugitive PM10 Emission Rate Limit	APCO Approved Emission Calculation Procedures Described in BAAQMD Condition # 19235, Part 19i
BAAQMD Condition # 19235, Part 19c	Road Surface Silt Loading Limit	Sample Collection Procedures Described in US EPA Document AP-42 Appendix C.1.2 and Sample Analysis Procedures Described in US EPA Document AP-42 Appendix C.2.
BAAQMD Condition # 19235, Part 19d	Road Surface Material Silt Content	Sample Collection Procedures Described in US EPA Document AP-42 Appendix C.1.1 and Sample Analysis Procedures Described in US EPA Document AP-42 Appendix C.2.
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 US 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

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 19237, Part 9	Corrected CO Concentration Limit in Engine Exhaust	Testing frequency and procedures described in BAAQMD Condition # 19237, Part 9 using APCO approved portable flue gas analyzer to measure for CO and O_2 in engine exhaust
BAAQMD Condition # 19237, Part 10	Internal Combustion Engine Source Test	Manual of Procedure, Volume IV, ST-7, Organic Compounds, ST-13A, Oxides of Nitrogen, Continuous Sampling, ST-6, Carbon Monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; OR US EPA Reference Methods 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.
BAAQMD Condition # 24255, Part 2	LNG Plant Heat Input Limits	APCO approved gas flow meter, methane concentration measurement by gas chromatograph, and APCO approved calculation procedure described in BAAQMD Condition # 24255, Part 4
BAAQMD Condition # 24373, Parts 1 and 2	CO Emission Rate Limits for Individual Combustion Sources and for the Total Site	BAAQMD Emission Calculation Procedures Identified in BAAQMD Condition # 24373, Part 3
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

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Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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-43 ALTAMONT LANDFILL - WASTE AND COVER MATERIAL DUMPING

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 S-43 Altamont Landfill - Waste and Cover Material Dumping Operations, 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 an active landfill, the storage, handling, reuse (such as for cover material), and disposal of soil that contains volatile organic compounds (VOC) results in the transfer of some of the VOCs from the soil into the atmosphere. This pollutant transfer process is called aeration. Soil which has an organic content exceeding 50 ppmw or that registers an organic concentration greater than 50 ppmv (expressed as methane, C1) at the soil surface is defined as "contaminated" soil in Regulation 8-40-205. VOC-laden soil is soil that contains some VOCs but that has less VOCs than the contaminated soil thresholds above. The aeration of contaminated soil is subject to Regulation 8, Rule 40. However, the aeration of the low concentration VOC-laden soils is subject to Regulation 8, Rule 2.

IX. Permit Shield

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). Thus, an operator may verify compliance with Regulation 8-2-301 by either demonstrating compliance with the 15 pound/day total carbon limit or by demonstrating compliance with the 300 ppmv total carbon concentration limit. Condition # 19235, Part 20 identifies these two compliance options. Part 20a specifies emission limits, acceptance limits, emission calculation procedures, and record keeping requirements that assure compliance with the 15 pound/day total carbon emission limit. Part 20b discusses the alternative measures that may be used to verify compliance with the 300 ppmv total carbon concentration limit.

If the operator chooses to demonstrate compliance with Regulation 8-2-301 using Condition #19235 Part 20b, the operator will be required to use the Regulation 8-40-604 test procedures to verify that the soil is not contaminated (i.e., does not contain more than 50 ppmw of VOC or will not emit more than 50 ppmv of VOC from the surface of the soil). Since soil found not to be contaminated using the procedures of 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 that occurs in the atmosphere during aeration of VOC-laden soil will also be less than 300 ppmv (total carbon, dry basis) as determined by the procedures of Regulation 8-2-601. Since this VOC-laden soil aeration operation will comply with the total carbon concentration limit (< 300 ppmv), it will also comply 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 that any aeration of such soil will comply 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.

X. Revision History

Renewal Revision (Application # 18233): December 19, 2012

- Add and revise text in Sections I, III, IV, VII, and VIII to conform to current standard text.
- Correct and update regulatory references and amendment dates throughout the permit.
- Create two new tables in Section II: Table II-C to identify significant sources and Table II-D to identify exempt equipment.
- Incorporate source number changes into this permit that were implemented pursuant to the BAAQMD annual permit renewal process. The active landfill, Source S-2, was split into three sources (S-2, S-43, and S-44) that represent different processes and activities that occur at active landfills. The new source numbers were added to Tables II-A, IV-A, VII-A, IX-A and Condition # 19235.
- Remove sources that have been shut down from Table II-A (S-190, S-194, S-195, S-196, S-197, and S-198), delete the associated tables (Tables IV-G and VII-G for S-190 and Tables IV-I and VII-I for S-194, S-195, and S-196), remove S-197 and S-198 from Tables IV-H and VII-H, and delete or revise the associated permit conditions (BAAQMD Condition #20800, #20801, and #20812).
- Add new equipment identified in BAAQMD NSR Application # 17215 to the permit. Add the S-29 Green Waste Stockpiles to Table II-A, create the associated Tables IV-E and VII-E, and add the associated Condition #24061. Add a significant source (S-30 Portable Green Waste Grinding Operation) to Table II-C, create Tables IV-F and VII-F for S-30, and add Condition #24062. Add the exempt portable engine that provides power to S-30 (S-31 PERP Diesel Engine for Green Waste Grinder) to Table II-D.
- Add new equipment identified in BAAQMD NSR Application # 16526 to the permit. Add three emergency standby diesel engines (S-199, S-200, and S-201) to Table II-A, create the associated Tables IV-J and VII-J, and add Condition #22850.
- Add new equipment identified in BAAQMD NSR Application # 19045 to the permit. Add the S-210 Liquefied Natural Gas Plant to Table II-A, create the associated Tables IV-K and VII-K, and add Condition #24255.
- Add new equipment identified in BAAQMD NSR Application # 19206 to the permit. Add the A-16 Landfill Gas Flare to Tables II-A, IV-A, and VII-A, and to Condition #19235.

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- Add exempt portable engines and the associated control devices (S-206, A-206, S-208, A-208, S-217, A-207, S-218, A-209) described in BAAQMD NSR Permit Applications #17305 and #21312 to Table II-D.
- Add several missing BAAQMD and federal regulations to Table III, and add several new California regulations to Table III.
- Renumber Tables IV-E and VII-E as Tables IV-G and VII-G, Tables IV-F and VII-F as Tables IV-H and VII-H, and Tables IV-H and VII-H as Tables IV-I and VII-I.
- Add public nuisance restriction to Table IV-A
- SIP Regulation 6 was revised and renumbered as BAAQMD Regulation 6, Rule 1. Incorporate these changes into Tables IV-A, IV-B, IV-D, IV-I, VII-A, VII-B, VII-D, and VII-I and in Condition # 19235.
- Throughout the permit, replace condition bases citing the Toxic Risk Management Policy (TRMP) with the appropriate regulatory citation from BAAQMD Regulation 2, Rule 5, which was adopted in 2005 and amended in 2010.
- For the Altamont Landfill (S-2, S-43, and S-44) and associated flares (A-15 and A-16), update Tables IV-A, VII-A, and VIII and Condition #19235 by incorporating changes made pursuant to: NSR Application #14814 for a landfill expansion. These revisions include the addition of future applicable NSPS requirements: 40 CFR Part 60, Subpart WWW. Also, incorporate landfill gas collection system changes made pursuant to Applications #15948, #20251, and #23198 and permit corrections made pursuant to Applications #21044 and #22039.
- Add Condition # 24373, which established a site-wide cap on CO emissions pursuant to BAAQMD NSR Application #18819, to Tables IV-A, VII-A, IV-B, VII-B, IV-D, VII-D, IV-I, VII-I, IV-J, and VII-J.
- In Tables IV-B and VII-B, add the revisions to BAAQMD Regulation 9 - Rule 9, remove non-applicable federal provisions related to landfill gas control, and add the new gas turbine NESHAP (40 CFR Part 63, Subpart YYYY).
- In Tables IV-C and VII-C, add the revisions to BAAQMD Regulation 8 - Rule 8.
- In Tables IV-D and VII-D, add the revisions to BAAQMD Regulation 9 - Rule 8, remove non-applicable federal provisions related to landfill gas control, and add the new IC engine NESHAP (40 CFR Part 63, Subpart ZZZZ).

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- In Tables IV-G and VII-G, add the missing requirements from SIP Regulation 8 - Rule 5 and the new NESHAP requirements from 40 CFR Part 63, Subpart CCCCCC.
- In Table IV-H and Condition # 20922 delete Part 6 because it is obsolete.
- In Tables IV-I and VII-I, add the revisions to BAAQMD Regulation 9 - Rule 8, the new IC engine NESHAP (40 CFR Part 63, Subpart ZZZZ), and the CARB ATCM for stationary diesel engines.
- In Condition # 16516, replace the current text with revised standard text for GDFs.
- Update Conditions #18873 and #19237 pursuant to condition changes requested in Application # 22039.
- In Condition # 20801, Part 2, add the ability to use purchase records for CARB diesel fuel instead of records of vendor fuel oil sulfur content certifications as a means of demonstrating compliance with the Regulation 9-1-304 liquid fuel sulfur content limit.
- In Condition # 24062, add monitoring requirements in Parts 2 and 3 to demonstrate compliance with BAAQMD Regulation 6, Rule 1 and SIP Regulation requirements.
- Add symbols to Tables VII-A through VII-I to clarify limits.
- For Table VIII, add missing test methods for existing requirements, add test methods for all new limits, and remove obsolete or unnecessary test methods.
- Clarify the applicability of the permit shield in Section IX. It applies to the aeration of VOC-laden soil, which may occur at S-43 during the transfer, storage, or re-use of VOC-laden.
- Add this permit renewal to the Section X Revision History.
- Add terms to the Section XI Glossary.

Administrative Amendment (Application # 23962): **May 28, 2013**

- Correct typographical errors in TAC concentration limits listed in Condition # 19235, Part 12 and in Table VII-A.
- Increase ethylene dichloride limit in Condition # 19235, Part 12 and in Table VII-A.

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
Airborne Toxic Control Measure

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

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

C1
An organic chemical compound with one carbon atom, for example: methane

XI. Glossary

C3
An organic chemical compound with three carbon atoms, for example: propane

C5
An organic chemical compound with five carbon atoms, for example: pentane

C6
An organic chemical compound with six carbon atoms, for example: hexane

C_6H_6
Benzene

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CARB
California Air Resources Board (same as ARB)

CCDT
Combustion Chamber Discharge Temperature (for gas turbines)

CCR
California Code of Regulations

CEC
California Energy Commission

CEM
A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

CEQA
California Environmental Quality Act

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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

CI
Compression Ignition

CIWMB
California Integrated Waste Management Board

CO
Carbon Monoxide

CO2 or CO_2
Carbon Dioxide

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

CT
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

XI. Glossary

E6, E9, E12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53E6 equals (4.53) x (106) = (4.53) x (10x10x10x10x10x10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EG
Emission Guidelines

EO
Executive Order

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.

FR
Federal Register

GDF
Gasoline Dispensing Facility

GHG
Greenhouse Gas

GLM
Ground Level Monitor

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Grains
1/7000 of a pound

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

H2S or H_2S
Hydrogen Sulfide

H2SO4 or H_2SO_4
Sulfuric Acid

H&SC
Health and Safety Code

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

Hg
Mercury

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

IC
Internal Combustion

LEA
Local Enforcement Agency

LFG
Landfill gas

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

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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.

Long ton
2200 pounds

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.

MSDS
Material Safety Data Sheet

MSW
Municipal solid waste

MW
Molecular weight

N2 or N_2
Nitrogen

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NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

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

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx or NO_x
Oxides of nitrogen.

NO2 or NO_2
Nitrogen Dioxide.

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

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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.

PERP
Portable Equipment Registration Program

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

PM2.5 or $PM_{2.5}$
Particulate matter with aerodynamic equivalent diameter of less than or equal to 2.5 microns

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

PTO
Permit to Operate

PV or P/V Valve or PRV
Pressure/Vacuum Relief Valve

RICE
Reciprocating Internal Combustion Engine

XI. Glossary

RMP
Risk Management Plan

RWQCB
Regional Water Quality Control Board

S
Sulfur

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

Short ton
2000 pounds

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

SO2 or SO_2
Sulfur dioxide

SO3 or SO_3
Sulfur trioxide

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.

TAC
Toxic Air Contaminant (as identified by CARB)

TBACT
Best Available Control Technology for Toxics

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THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Units

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

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

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Policy

TRS
Total Reduced Sulfur, which is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO_2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO_2 by the combustion process.

TSP
Total Suspended Particulate

TVP
True Vapor Pressure

VOC
Volatile Organic Compounds

VMT
Vehicle Miles Traveled

VOC
Volatile Organic Compounds

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WM
Waste Management

Symbols:

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

Units of Measure:

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

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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