Bay Area Air Quality Management District

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

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Potrero Hills Landfill, Inc.
Facility #A2039

Facility Address:
3675 Potrero Hills Lane
Suisun, CA

Mailing Address:
3260 Blume Drive, Suite 200
Richmond, CA 94806

Responsible Official	Facility Contact
~~Larry Burch, Environmental Manager~~	William B. Terry, Area President ~~Same~~ Dave Meyer, Director of Engineering
	(510) 262-16~~60~~34

Type of Facility: Landfill
Primary SIC: 4953
Product: Municipal Solid Waste

BAAQMD Permit Division Contact:
Robert T. Hull

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 5/2/01).

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

1. This Major Facility Review Permit was issued on August 15, 2003 and expires on July 31, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than February 29, 2008 and no earlier than July 31, 2007. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after July 31, 2008.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit 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)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

I. Standard Conditions

E. Records

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

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be August 15, 2003 to January 31, 2004. The report shall be submitted by February 29, 2004. Subsequent reports shall be for the following periods: February 1st through July 31st and August 1st through January 31st, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be August 1st to July 31st. The certification shall be submitted by August 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:

I. Standard Conditions

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

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

I. Severability

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

J. Miscellaneous Conditions

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

II. EQUIPMENT

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-1	Potrero Hills Sanitary Landfill, with Gas Collection System (Facility # A2039)	An active solid waste disposal site that is equipped with an active landfill gas collection system.		Maximum Design Capacity = 21.8 E6 yd^3 Maximum Waste Acceptance Rate = 4,430 tons/day Vertical Wells = ~~18~~54
~~S-10~~	~~Wood Grinder~~	~~Maxgrind~~	~~350/425~~	~~75 tons/hour~~
~~S-11~~	~~Wood Grinder Diesel IC Engine~~	~~Caterpillar~~	~~3406~~	~~425 BHP, 893 in^3, and 19 gallons/hr of diesel oil~~
S-12	Diesel IC Engine for Power Generation	John Deere	6081AF001	225 BHP, 496 in^3, and 12 gallons/hr of diesel oil
S-13	Diesel IC Engine for Power Generation	John Deere	6081AF001	225 BHP, 496 in^3, and 12 gallons/hr of diesel oil
S-14	Non-Retail Gasoline Dispensing Facility (G# 10861)	Phase I/Phase II Vapor Recovery		500 gallon capacity tank, 1 gasoline nozzle, 940,000 gal/yr

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-2	Landfill Gas Flare (Facility # A9013)	S-1	BAAQMD Regulation 8-34-301.3, see also Table IV-A	Minimum combustion zone temperature of 1400 °F (1660 °F effective 5/1/03), see also Table VII-A	Either 98% destruction of NMOC or < 30 ppmv NMOC (as CH_4 at 3% O_2, dry)
~~A-10~~	~~Water Spray System~~	~~S-10~~	~~BAAQMD Regulation 6-301~~	~~None~~	~~Ringelmann No. 1~~

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 SIP requirements is on EPA Region 9's website. The address is: ~~included at the end of this permit.~~
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 the rule until US EPA has reviewed and approved the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	N
SIP Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (10/16/02)	N
SIP Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (12/9/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants - Asbestos Containing Serpentine (7/17/91)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is: ~~included at the end of this permit~~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-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/2001)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limit on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	~~N~~Y	
SIP Regulation 1	**General Provisions and Definitions (6/28/1999)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
~~1-523.5~~	~~Maintenance and calibration~~	~~Y~~[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/1990)**		

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation (applies to A-2 Flare only)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (3/22/1995)**		
8-2-301	Miscellaneous Operations (applies to low VOC soil handling and disposal activities only)	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (10/6/1999)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-116	Limited Exemption, Well Raising	Y	
8-34-116.1	New Fill	Y	
8-34-116.2	Limits on Number of Wells Shutdown	Y	
8-34-116.3	Shutdown Duration Limit	Y	
8-34-116.4	Capping Well Extensions	Y	
8-34-116.5	Well Disconnection Records	Y	
8-34-117	Limited Exemption, Gas Collection System Components	Y	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	Y	
8-34-117.2	New Components are Described in Collection and Control System Design Plan	Y	
8-34-117.3	Meets Section 8-34-118 Requirements	Y	
8-34-117.4	Limits on Number of Wells Shutdown	Y	
8-34-117.5	Shutdown Duration Limit	Y	
8-34-117.6	Well Disconnection Records	Y	
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	

IV. Source-Specific Applicable Requirements

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A-2 LANDFILL GAS FLARE

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

IV. Source-Specific Applicable Requirements

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A-2 LANDFILL GAS FLARE

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	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 Recorded	Y	
8-34-508	Gas Flow Meter	Y	
8-34-510	Cover Integrity Monitoring	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/1995)**		
9-1-301	Limitations on Ground Level Concentrations (applies to A-2 Flare only)	Y	
9-1-302	General Emission Limitations (applies to A-2 Flare only)	Y	

IV. Source-Specific Applicable Requirements

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A-2 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/1999)**		
9-2-301	Limitations on Hydrogen Sulfide	N	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (5/4/1998)**		
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operational before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 60, Subpart Cc	**Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/1999)**		
60.36c(a)	Collection and Control Systems in Compliance by 30 months after Initial NMOC Emission Rate Report Shows NMOC Emissions $\geq$ 50 MG/year	Y	
40 CFR Part 62	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (9/20/2001)**		
62.1115	Identification of Sources	Y	

IV. Source-Specific Applicable Requirements

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A-2 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/1994)**		
63.4	Prohibited activities and circumvention	Y	~~1/16/04~~
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	~~1/16/04~~
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	~~1/16/04~~
63.6(f)	Compliance with non-opacity emission standards	Y	~~1/16/04~~
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	~~1/16/04~~
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	~~1/16/04~~
40 CFR Part 63, Subpart AAAA	**National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (1/16/2003)**		
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	~~1/16/04~~
63.1955	What requirements must I meet?	Y	~~1/16/04~~
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	~~1/16/04~~
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	~~1/16/04~~
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	~~1/16/04~~
63.1960	How is compliance determined?	Y	~~1/16/04~~
63.1965	What is a deviation?	Y	~~1/16/04~~
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	~~1/16/04~~
63.1980	What records and reports must I keep and submit?	Y	~~1/16/04~~
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	~~1/16/04~~
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	~~1/16/04~~

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #1948			
Part 1	Design capacity and waste acceptance rate limits (Regulations 2-1-301 and 2-1-234)	Y	
Part 2	Acceptance criteria for soils containing VOCs (Regulation 8-40-301)	Y	
Part 3	Emission limit for low VOC soils (Regulation 8-2-301)	Y	
Part 4	Particulate emission control measures (Regulations 2-1-403, 6-301, and 6-305)	Y	
Part 5	Control requirements for collected landfill gas (Regulation 8-34-301)	Y	
Part 6	Landfill gas collection system modification (Regulations 2-1-301, 8-34-301.1, -34-303, 8-34-304, and 8-34-305)	Y	
Part 7	Landfill gas collection system operating requirements (Regulation 8-34-301.1)	Y	
Part 8	Flare heat input limits (Regulation 2-1-301)	Y	
Part 9	Flare temperature limit (Toxic Risk Management Policy and Regulation 8-34-301.3)	Y	
Part 10	Landfill gas sulfur content limit and monitoring requirements (Regulation 9-1-302)	Y	
Part 11	Annual source test (Regulations 8-34-301.3 and 8-34-412)	Y	
Part 12	Annual landfill gas characterization test (Toxic Risk Management Policy and Regulation 8-34-412)	Y	
Part 13	Record keeping requirements (Regulations 2-1-301, 2-6-501, 6-301, 6-305, 8-2-301, 8-34-301, 8-34-304, and 8-34-501)	Y	
Part 14	Waste Acceptance/Handling Requirements (basis: Regulation 2-1-403)	N	
Part 15	Reporting periods and due dates for the Regulation 8, Rule 34 annual report (Regulation 8-34-411 and 40 CFR Part 63.1980(a))	Y	

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

IV. Source-Specific Applicable Requirements

~~Table IV – B~~
~~Source-Specific Applicable Requirements~~
~~S-10 WOOD GRINDER~~
~~A-10 WATER SPRAY~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~BAAQMD Regulation 6~~	~~Particulate Matter and Visible Emissions (12/19/1990)~~		
~~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 #20044~~			
~~Part 1~~	~~Material throughput (Cumulative Increase)~~	~~Y~~	
~~Part 2~~	~~Abatement requirement (Regulations 2-1-403, 6-301, and 6-305)~~	~~Y~~	
~~Part 3~~	~~Visible emissions and dust fallout (Regulations 1-301, 2-1-403, 6-301, and 6-305)~~	~~Y~~	
~~Part 4~~	~~Observation of emissions source (Regulations 2-1-403, 6-301, and 6-305)~~	~~Y~~	
~~Part 5~~	~~Throughput records (Cumulative Increase)~~	~~Y~~	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-11 WOOD GRINDER DIESEL IC ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/1990)**		
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	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/1995)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Condition #20046			
Part 1	Daily usage limit (Cumulative Increase)	Y	
Part 2	Annual Fuel Consumption Limit (Cumulative Increase)	Y	
Part 3	NOx emissions limit (Cumulative Increase)	Y	
Part 4	NMHC emissions limit (Cumulative Increase)	Y	
Part 5	CO emissions limit (Cumulative Increase)	Y	
Part 6	PM10 emissions limit (Cumulative Increase)	Y	
Part 7	Low sulfur fuel requirement, demonstration of sulfur content (Cumulative Increase, and Regulation 9-1-304)	Y	
Part 8	Annual source test requirement (Regulation 2-1-403)	Y	
Part 9	Observation of emissions source (Regulations 2-1-403 and 6-303)	Y	
Part 10	Daily usage, fuel consumption records (Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~D~~B
Source-Specific Applicable Requirements
S-12, S-13 DIESEL IC ENGINES FOR POWER GENERATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/1990)**		
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	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/1995)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Condition #18996			
Part 1	Low sulfur fuel requirement, demonstration of sulfur content (Cumulative Increase, and Regulation 9-1-304)	Y	
Part 2	Observation of emissions source (Regulations 2-1-403 and 6-303)	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~E~~C
Source-Specific Applicable Requirements
S-14 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 10861

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (11/27/2002)**		
8-5-301	Storage Tank Control Requirements	N	
8-5-303	Requirements for Pressure Vacuum Valves	N	
8-5-501	Records	N	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/10/2001)**		
8-5-301	Storage Tanks Smaller Than 150 m^3	Y[1]	
8-5-301.1	Submerged Fill Pipe	Y[1]	
8-5-302	Above Ground Gasoline Storage Tanks Smaller Than 75 m^3	Y[1]	
BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (11/6/2002)**		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	N	
8-7-301	Phase I Requirements		
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	
8-7-301.8	Coaxial Phase I Systems Certified by CARB prior to January 1, 1994 may not be installed on New or Modified Systems	Y	
8-7-301.9	Anti-rotational Coupler or Swivel Adapter Required	Y	
8-7-301.10	Vapor Recovery Efficiency Requirements for New and Modified Systems	Y	
8-7-301.12	Spill Box Drain Valve Limitation	Y	
8-7-301.13	Annual Vapor Tightness Test Requirement	N	
8-7-302	Phase II Requirements		
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	

IV. Source-Specific Applicable Requirements

Table IV – ~~E~~C
Source-Specific Applicable Requirements
S-14 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 10861

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	N	
8-7-302.4	Repair Time Limit for Defective Components	N	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-302.6	Requirements for Bellows Nozzles	Y	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose Requirement	Y	
8-7-302.10	Construction Materials Specifications	N	
8-7-302.12	Liquid Retain Limitation	N	
8-7-302.13	Nozzle Spitting Limitation	N	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	N	
8-7-302.15	Annual Testing Requirements for Vacuum Assist Systems	N	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	N	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-314	Hold Open Latch Requirements	Y	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing Requirements	N	
8-7-408	Periodic Testing Notification and Submission Requirements	N	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Recordkeeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	N	
SIP Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (7/25/2001)**		

IV. Source-Specific Applicable Requirements

Table IV – ~~E~~C
Source-Specific Applicable Requirements
S-14 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 10861

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.3	Proper Operation and Free of Defects Requirements	Y[1]	
8-7-302.4	Repair Time Limit for Defective Components	Y[1]	
8-7-302.10	Construction Materials Specifications	Y[1]	
8-7-302.12	Liquid Retain Limitation	Y[1]	
8-7-302.13	Nozzle Spitting Limitation	Y[1]	
8-7-306	Prohibition of Use	Y[1]	
8-7-503.3	Records Retention Time	Y[1]	
BAAQMD Condition #14098	**Gasoline Throughput Limit (Toxic Risk Management Policy)**	N	
BAAQMD Condition #16516	**Annual Static Pressure Performance Test (Toxic Risk Management Policy)**	N	
State of California, Air Resources Board, Executive Order G-70-142-B	**Certification of a Phase I Vapor Recovery System for Aboveground Gasoline Storage Tanks (9/9/1994)**		
Paragraph 11	Applicability of Order	N	
Paragraph 12	Requirements for Phase I Components	N	
Paragraph 13	Requirements for Fuel Delivery Components	N	
Paragraph 14	Requirement to Comply with Local Air District Rules	N	
Paragraph 15	Requirement to Comply with Local Fire Official's Requirements	N	
Paragraph 16	Leak Free Equipment and Fittings	N	
Paragraph 17	Requirement to Comply with Other Specified Rules and Regulations	N	
Paragraph 18	Prohibition on Alteration of Equipment, Parts, Design, or Operation	N	
Paragraph 19	This Order Supersedes EO G-70-142-A (11/19/92)	N	

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

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 #1948
For: S-1 Solid Waste Landfill With Gas Collection System and A-2 Landfill Gas Flare

1. 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 4430 tons in any day. (Basis: Regulation 2-1-301)
   b. The total cumulative amount of all waste placed in the landfill shall not exceed 13.1 million 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 that a higher limit will not result in an increase of any daily or annual emission level. (Basis: Regulation 2-1-301 and 2-1-234)
   c. The maximum design capacity of the landfill (total volume of all wastes and cover materials placed in the landfill, excluding final cover) shall not exceed 21.8 million cubic yards. (Basis: Regulation 2-1-301)

2. This facility is not subject to Regulation 8, Rule 40 because the landfill does not accept contaminated soil (soil containing more than 50 ppmw of volatile organic compounds, VOCs). The following types of materials may be accepted:

   a. Materials for which 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 Regulation 8, Rule 40, Sections 205, 207, and 211).
   b. Materials for which the Permit Holder lacks documentation to prove that the 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.
   c. Materials which the Permit Holder plans to test in order to determine the VOC contamination level in the soil, provided that the material is sampled within 24 hours of receipt by this site and is handled as if the soil were contaminated until the Permit Holder receives the test results. The Permit Holder shall collect soil samples in accordance with Regulation 8-40-601. The organic content of the collected soil samples shall be determined in accordance with Regulation 8-40-602.

VI. Permit Conditions

Condition #1948
For: S-1 Solid Waste Landfill With Gas Collection System and A-2 Landfill Gas Flare

i. If the test results indicate that the soil is 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 Regulation 8, Rule 40, until the soil has been removed from this site or has completed treatment. 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 the test results indicate that the soil, as received at this site, has an organic content of 50 ppmw or less, then the soil need not be handled in accordance with Regulation 8, Rule 40 any longer.

(basis: Regulation 8-40-301)

3. The Permit Holder shall limit the quantity of low VOC soil (soil that contains 50 ppmw or less of VOCs) disposed of per day so that no more than 15 pounds of total carbon could be emitted to the atmosphere per day. In order to demonstrate compliance with this condition, the Permit Holder shall maintain the following records in a District approved log.

a. Record on a daily basis the amount of low VOC soil disposed of in the landfill or used as cover material in the landfill. This total amount (in units of pounds per day) is Q in the equation in subpart c. below.

b. Record on a daily basis the VOC content of all low VOC soils disposed of or used as cover material. This VOC Content (C in the equation below) should be expressed as parts per million by weight as total carbon.

c. Calculate and record on a daily basis the VOC Emission Rate (E) using the following equation:

$$E = Q * C / 10^6$$

(basis: Regulation 8-2-301)

4. 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. Paved roadways at the facility shall be kept sufficiently clear of dirt and debris as necessary to prevent visible particulate emissions from vehicle traffic or wind. (basis: Regulations 2-1-403, 6-301, and 6-305)

VI. Permit Conditions

Condition #1948
For: S-1 Solid Waste Landfill With Gas Collection System and A-2 Landfill Gas Flare

5. All collected landfill gas shall be vented to properly operating Landfill Gas Flare (A-2). 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: Regulation 8-34-301)

6. The Permit Holder shall apply for and receive an Authority to Construct before modifying the landfill gas collection system. Increasing or decreasing the number of wells or collectors, changing the length of collectors, or changing the locations of wells or collectors are all considered to be modifications that are subject to the Authority to Construct requirement. Adding or modifying risers, laterals, or header pipes are not subject to this Authority to Construct requirement.

   a. The Permit Holder has been issued a Permit to Operate for the landfill gas collection system components listed below. The authorized number of landfill gas collection system components is the baseline count listed below plus any components added and minus any components decommissioned pursuant to Part 2b as evidenced by start-up/shut-down notification letters submitted to the District.

      Vertical Wells: 18
      Horizontal Collectors: 28

      ~~The Permit Holder has been issued a Permit to Operate for the landfill gas collection system components listed below. Well and collector locations, depths, and lengths are as described in detail in Permit Application #16418.~~

      ~~Current~~
      ~~Total Number of Vertical Wells: 18~~

   b. The Permit Holder has been issued an Authority to Construct (Application #11204) for the landfill gas collection system modifications described below.

      Installation of up to 36 new vertical wells
      Installation of up to 14 horizontal trench collectors
      Decommissioning of up to 9 horizontal trench collectors

   (basis: Regulations 2-1-301, 8-34-301.1, 8-34-303, 8-34-304, 8-34-305)

Condition #1948

VI. Permit Conditions

For: S-1 Solid Waste Landfill With Gas Collection System and A-2 Landfill Gas Flare

7. The landfill gas collection system in Part 6 shall be operated continuously. Wells shall not be shut off, disconnected or removed from operation without written authorization from the APCO, unless the Permit Holder complies with all applicable requirements of Regulation 8, Rule 34, Sections 113, 116, 117, and 118. (basis: Regulation 8-34-301.1)

8. The heat input to the A-2 Landfill Gas Flare shall not exceed 1,080 million BTU per day and shall not exceed 394,200 million BTU per year. In order to demonstrate compliance with this part, the Permit Holder shall calculate and record, on a monthly basis, the maximum daily and total monthly heat input to the flare based on: (a) the landfill gas flow rate recorded pursuant to part 13.h., (b) the average methane concentration in the landfill gas measured in most recent source test, and (c) a high heating value for methane of 1013 BTU per cubic foot at 60 degrees F. (basis: Regulation 2-1-301)

9. The combustion zone temperature of the A-2 Landfill Gas Flare shall be maintained at a minimum of 1,660 degrees F, averaged over any 3-hour period, during all times that landfill gas is being combusted in the flare. If a source test demonstrates compliance with all applicable requirements at a different temperature, the APCO may revise the minimum combustion zone temperature limit in accordance with the procedures identified in Regulation2-6-414 or 2-6-415, based on the following criteria: (1) the minimum combustion zone temperature measured during the most recent complying source test minus 50 degrees F, (2) the minimum combustion zone temperature shall not be less than 1,400 degrees F. (Basis: Regulation 8-34-301.3)

10. Total reduced sulfur compounds in the collected landfill gas shall be monitored as a surrogate for monitoring sulfur dioxide in control system's exhaust. The concentration of total reduced sulfur compounds in the collected landfill gas shall not exceed 1300 ppmv (dry). In order to demonstrate compliance with this part, the Permit Holder shall measure the hydrogen sulfide content in collected landfill gas on a quarterly basis using a draeger tube. Compliance with the total sulfur limit is assumed if the hydrogen sulfide content is found to be equal to or less than 1000 ppmv. The landfill gas sample shall be taken from the main landfill gas header. The Permit Holder shall follow the manufacturer's recommended procedures for using the draeger tube and interpreting the results. The Permit Holder shall conduct the first draeger tube test no later than 3 months after the issue date of the MFR Permit and quarterly thereafter. (basis: Regulation 9-1-302)

Condition #1948

For: S-1 Solid Waste Landfill With Gas Collection System and A-2 Landfill Gas Flare

VI. Permit Conditions

11. In order to demonstrate compliance with Regulation 8, Rule 34, Sections 301.3 and 412, the Permit Holder shall ensure that a District approved source test is conducted annually on the Landfill Gas Flare (A-2). The annual 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 THC, CH_4, NMOC, and O_2 in the flare stack gas;
    e. the NMOC destruction efficiency achieved by the flare; and
    f. the average combustion temperature in the flare during the test period.

    Annual source tests shall be conducted no earlier than 9 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and to the Source Test Section within 45 days of the test date. (basis: Regulations 2-1-301, 8-34-301.3, and 8-34-412)

12. The Permit Holder shall conduct a characterization of the landfill gas concurrent with the annual source test required by part 11 above. The landfill gas sample shall be drawn from the main landfill gas header. In addition to the compounds listed in part 11.b, the landfill gas shall be analyzed for the following compounds:

Acrylonitrile	Ethylene dibromide
Benzene	Fluorotrichloromethane
Carbon disulfide	Hexane
Carbon tetrachloride	Hydrogen sulfide
Chlorobenzene	Isopropyl alcohol
Chlorodifluoromethane	Methylethylketone
Chloroethane	Methylene chloride
Chloroform	Perchloroethylene
1,1 Dichloroethane	Toluene
1,1 Dichloroethene	1,1,1 Trichloroethane

Condition #1948
For: S-1 Solid Waste Landfill With Gas Collection System and A-2 Landfill Gas Flare

VI. Permit Conditions

1,2 Dichloroethane	1,1,2,2 Tetrachloroethane
1,4 Dichlorobenzene	Trichloroethylene
Dichlorodifluoromethane	Vinyl chloride
Dichlorofluoromethane	Xylenes
Ethylbenzene	

All concentrations shall be reported on a dry basis. The test report shall be submitted to the Compliance and Enforcement Division within 45 days of the test date. (basis: Toxic Risk Management Policy and Regulation 8-34-412)

13. In order to demonstrate compliance with the above conditions, the Permit Holder shall maintain the following records in a District approved logbook.
    a. Record the total amount of municipal solid waste received at S-1 on a daily basis. Summarize the daily waste acceptance records for each calendar month.
    b. For each area or cell that is not controlled by a landfill gas collection system, maintain a record of the date that waste was initially placed in the area or cell. Record the cumulative amount of waste placed in each uncontrolled area or cell on a monthly basis.
    c. If the Permit Holder plans to exclude an uncontrolled area or cell from the collection system requirement, the Permit Holder shall also record the types and amounts of all non-decomposable waste placed in the area and the percentage (if any) of decomposable waste placed in the area.
    d. Maintain daily records of low VOC soil acceptance rate and emissions, pursuant to part 3.
    e. 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 roadway cleaning activities. All records shall be summarized on a monthly basis.
    f. Record the initial operation date for each new landfill gas well and collector.

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Condition #1948

For: S-1 Solid Waste Landfill With Gas Collection System and A-2 Landfill Gas Flare

g. 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 7. 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.

h. Record the operating times and the landfill gas flow rate to the A-2 Landfill Gas Flare on a daily basis. Summarize these records on a monthly basis. Calculate and record the heat input to A-2, pursuant to part 8.

i. Maintain continuous records of the combustion zone temperature for the A-2 Landfill Gas Flare during all hours of operation.

j. Maintain records of all test dates and test results performed to maintain compliance with parts 10, 11, and 12 above or any applicable rule or regulation.

k. Maintain records of landfill gas condensate injection throughput and the duration of the injection on a daily basis.

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

14. The Potrero Hills Landfill is subject to the following waste acceptance and waste handling requirements: (basis: Regulation 2-1-403)

a. No Class I wastes may be disposed on onsite without prior BAAQMD approval except for ash from a waste-to-energy plant burning municipal waste, owned and operated by Solano Garbage Company under a BAAQMD permit. All other necessary state, federal, and local permits must be obtained before such disposal is allowed.

b. At the end of each operating day, the working face and all other exposed refuse shall be covered with a 6" minimum layer of soil such that no refuse is left exposed.

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Condition #1948
For: S-1 Solid Waste Landfill With Gas Collection System and A-2 Landfill Gas Flare

c. Alternative daily cover including digested, dewatered, municipal sewage sludge (biosolids) and/or wood chips may be used provided that dust and/or odor from the alternative cover are not present on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. If a public nuisance situation occurs, Potrero Hills Landfill shall cease using alternative cover materials until the problem has been identified and corrected to the satisfaction of the APCO.

15. The annual report required by BAAQMD Regulation 8-34-411 shall be submitted in two semi-annual increments. The reporting period for the first increment of the Regulation 8-34-411 annual report that is submitted subsequent to the issuance of the MFR Permit for this site shall be from December 1, 2003 through January 31, 2004. This first increment report shall be submitted by February 29, 2004. The reporting periods and report submittal due dates for all subsequent increments of the Regulation 8-34-411 report shall be synchronized with the reporting periods and report submittal due dates for the semi-annual MFR Permit monitoring reports that are required by Section I.F of the MFR Permit for this site. (basis: Regulation 8-34-411 and 40 CFR Part 63.1980(a))

Condition # 14098
For: S-14, Non-Retail Gasoline Dispensing Facility G# 10861

Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 940,000 gallons in any consecutive 12-month period. (basis: Toxic Risk Management Policy)

Condition #16516
For: S-14, Non-Retail Gasoline Dispensing Facility G# 10861

The Static Pressure Performance Test (Leak Test) ST-38 shall be successfully conducted at least once in each twelve consecutive month period after the date of successful completion of the startup Static Pressure Performance Test. Test results shall be submitted to BAAQMD within 20 days of the test date. (basis: Regulations 8-7-301.6 and 8-7-302.5)

Condition #18996

VI. Permit Conditions

For: S-12, S-13, Diesel IC Engines for Electrical Power Generation

1. Only low sulfur fuel (<0.5% sulfur by weight) shall be combusted at S-12 and S-13. The maximum sulfur content of the fuel shall be demonstrated by vendor certification. (basis: Regulation 9-1-304)

2. The exhaust of the Diesel IC Engines S-12 and S-13 shall be observed for visible smoke during all periods of operation. If persistent smoke is detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulation 6-303, Regulation 2-1-403)

~~**Condition #20044**~~
~~For: S-10, Wood Grinder and A-10, Water Sprays~~

~~1. The total amount of material ground by S-10 shall not exceed 222,525 tons in any consecutive 12-month period. (basis: Cumulative Increase)~~

~~2. The Wood Grinder (S-10) shall be abated by a wet suppression system (A-10) at all times in which it is in operation. (basis: Regulations 2-1-403, 6-301, and 6-305)~~

~~3. Visible dust emissions from S-10 shall not exceed Ringelmann 1.0 (equivalent to 20% opacity) for a period or periods aggregating more than 3 minutes in any one hour or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (basis: Regulations 1-301, 2-1-403, 6-301, and 6-305)~~

~~4. In order to ensure compliance with part 3, observation for visible particulate emissions is required at all times that S-10 is operating. If visible emissions are detected, the operator shall take the necessary corrective action to stop the emissions. (basis: Regulations 2-1-403, 6-301, and 6-305)~~

~~5. In order to demonstrate compliance with part 1, the owner/operator of S-10 shall keep dated records of the amount of material processed at this source in a District approved log. These records shall be totaled on a monthly basis and shall be available for inspection by District personnel for a period of 5 years from the date on which a record is made. (basis: Cumulative Increase)~~

VI. Permit Conditions

~~**Condition #20046**~~
~~For: S-11, Wood Grinder Diesel IC Engine~~

~~1. The S-11 Wood Grinder Engine shall not operate for more than 14 hours during any calendar day. (basis: Cumulative Increase)~~

~~2. The total consumption of diesel fuel by the S-11 diesel engine in shall not exceed 57,857 gallons in any consecutive 12-month period. (basis: Cumulative Increase)~~

~~3. Emissions of nitrogen oxides (NOx) from S-11 shall not exceed 7.2 grams per brake-horsepower-hour (500 ppmv at 15% oxygen), as determined by the applicable BAAQMD Source Test Method. If the NOx emission limit is not met, the owner/operator shall retard the engine fuel injection timing by a minimum of 4 degrees from the manufacturer's standard timing to be deemed compliant with the aforementioned NOx emission limitation. (basis: Cumulative Increase)~~

~~4. Emissions of non-methane hydrocarbons (NMHC) from S-11 shall not exceed 1.5 grams per brake-horsepower-hour, as determined by the applicable BAAQMD Source Test Method. (basis: Cumulative Increase)~~

~~5. Emissions of carbon monoxide (CO) from S-11 shall not exceed 2.8 grams per brake-horsepower-hour, as determined by the applicable BAAQMD Source Test Method. (basis: Cumulative Increase)~~

~~6. Emissions of particulate (PM10) from S-11 shall not exceed 0.10 grains per dry standard cubic foot, as determined by the applicable BAAQMD Source Test Method. (basis: Cumulative Increase)~~

~~7. Only very low sulfur fuel (<0.05% sulfur by weight) shall be combusted at S-11. The maximum sulfur content of the fuel shall be demonstrated by vendor certification. (basis: Cumulative Increase and Regulation 9-1-304)~~

VI. Permit Conditions

Condition #20046

For: S-11, Wood Grinder Diesel IC Engine

8. In order to demonstrate compliance with parts 2 through 5, the Permit Holder shall conduct annual source tests to determine the emission factors for NOx, NMHC, CO, and PM10 at the exhaust of the engine. An initial source test shall be conducted within 90 days of the issuance date of the Title V permit. Annual source tests shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division within 45 days of the test date. (basis: Regulation 2-1-403)

9. The exhaust of the Tub Grinder Engine S-11 shall be observed for visible smoke during all periods of operation. If persistent smoke is detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulations 2-1-403 and 6-303)

10. The Permit Holder shall maintain daily records in an APCO approved logbook indicating the hours of operation of the engine and the amount of fuel consumed by the engine. These records shall be kept on site and made available for inspection by District personnel for a period of at least 5 years from the date on which a record is made. (basis: Cumulative Increase)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installa-tion Dates	BAAQMD 8-34-304.1	Y		For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13b-c and 13f-g	P/E	Records
Collection System Installa-tion Dates	BAAQMD 8-34-304.2	Y		For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13b-c and 13f-g	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installa-tion Dates	BAAQMD 8-34-304.3	Y		For Any Uncontrolled Areas or Cells: collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 tons of decomposable waste	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13a-c and 13f-g	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 # 1948, Parts 5, 6, and 7	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD Condition # 1948, Parts 13f-h	P/D	Records of Landfill Gas Flow Rates, Collection and Control Systems Downtime, and Collection System Components
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		Less than 240 hours/year and less than 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors
Contin-uous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors
Wellhead Pressure	BAAQMD 8-34-305.1	Y		< 0 psig	BAAQMD 8-34-414, 501.9 and 505.1	P/M	Monthly Inspection and Records
Temper-ature of Gas at Wellhead	BAAQMD 8-34-305.2	Y		< 55 ^{o}C	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly Inspection and Records
Gas Concen-trations at Wellhead	BAAQMD 8-34-305.3 or 305.4	Y		N_2 < 20% **OR** O_2 < 5%	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	P/M	Monthly Inspection and Records
Well Shutdown Limits	BAAQMD 8-34-116.2	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-116.3	Y		24 hours per well	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.4	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-117.6 and 501.1	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Well Shutdown Limits	BAAQMD 8-34-117.5	Y		24 hours per well	BAAQMD 8-34-117.6 and 501.1	P/D	Records
TOC (Total Organic Com-pounds Plus Methane)	BAAQMD 8-34-301.2	Y		1000 ppmv as methane (component leak limit)	BAAQMD 8-34-501.6 and 503	P/Q	Quarterly Inspection of collection and control system components with OVA and Records
TOC	BAAQMD 8-34-303	Y		500 ppmv as methane at 2 inches above surface	BAAQMD 8-34-415, 416, 501.6, 506 and 510	P/M, Q, and E	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspec-tion Times for Leaking Areas, and Records
Non-Methane Organic Com-pounds (NMOC)	BAAQMD 8-34-301.3	Y		98% removal by weight OR < 30 ppmv, dry basis @ 3% O_2, expressed as methane (applies to A-2 Flare only)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 1948, Part 11	P/A	Initial and Annual Source Tests and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Temperature of Combustion Zone (CT)	BAAQMD Condition # 1948, Part 9	Y		CT $\geq$ 1400 °F, averaged over any 3-hour period (applies to A-2 Flare only)	BAAQMD 8-34-501.3 and 507, and BAAQMD Condition # 1948, Part 13i	C	Temperature Sensor and Recorder (continuous)
Temperature of Combustion Zone (CT)	BAAQMD Condition # 1948, Part 9	Y		CT $\geq$ 1660 °F, averaged over any 3-hour period (applies to A-2 Flare only)	BAAQMD 8-34-501.3 and 507, and BAAQMD Condition # 1948, Part 13i	C	Temperature Sensor and Recorder (continuous)
Total Carbon	BAAQMD 8-2-301	Y		15 pounds/day or 300 ppm, dry basis (applies only to aeration of or use as cover soil of soil containing $\leq$ 50 ppmw of volatile organic compounds)	BAAQMD Condition # 1948, Part 3	P/D	Records
Volatile Organic Compounds	BAAQMD Condition # 1948, Part 2	Y		Facility shall not accept soil containing more than 50 ppmw of VOC	BAAQMD Condition # 1948, Parts 2 and 13d	P/E	Records
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 minutes/hr (applies to S-1 Landfill operations)	BAAQMD Condition # 1948, Part 13e	P/E, M	Records of all site watering and road cleaning events
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 minutes/hr (applies to A-2 Flare)	None	N	NA

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		$\leq$ 0.15 grains/dscf (applies to A-2 Flare only)	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 (applies to A-2 Flare only)	None	N	NA
SO_2	BAAQMD Regulation 9-1-302	Y		$\leq$ 300 ppm (dry basis) (applies to A-2 Flare only)	BAAQMD Condition # 1948, Parts 10 and 13j	P/Q	Sulfur analysis of landfill gas
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 1948, Part 10	Y		$\leq$ 1300 ppmv ($\leq$ 1000 ppmv hydrogen sulfide)	BAAQMD Condition # 1948, Parts 10 and 13j	P/Q	Sulfur analysis of landfill gas
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
Amount of Waste Accepted	BAAQMD Condition # 1948, Part 1	Y		$\leq$ 4430 tons/day and $\leq$ 13,100,000 tons (cumulative amount of all wastes) and $\leq$ 21,800,000 yd^3 (cumulative amount of all wastes and cover materials)	BAAQMD Condition # 1948, Part 13a	P/D	Records
Heat Input	BAAQMD Condition # 1948, Part 8	Y		$\leq$ 1,080 MM BTU per day and $\leq$ 394,200 MM BTU per year	BAAQMD Condition # 1948, Part 8	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 POTRERO HILLS SANITARY LANDFILL
A-2 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Startup Shutdown or Mal-function Pro-cedures	40 CFR 63.6(e)	Y	1/16/04	Minimize Emissions by Implementing SSM Plan	40 CFR 63.1980(a-b)	P/E	Records (all occurrences, duration of each, corrective actions)

~~Table VII – B~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~S-10 WOOD GRINDER~~
~~A-10 WATER SPRAY~~

~~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 Regulation 6-301~~	~~Y~~		~~Ringelmann 1.0 for 3 minutes in any hour~~	~~BAAQMD Condition # 20044, Part 4~~	~~P/E~~	~~Observation of Operations~~
~~Opacity~~	~~BAAQMD Condition # 20044, Part 4~~	~~Y~~		~~Ringelmann 1.0~~	~~BAAQMD Condition # 20044, Part 4~~	~~P/E~~	~~Observation of Operations~~
~~FP~~	~~BAAQMD Regulation 6-311~~	~~Y~~		~~40 lb/hr (throughput = 75 tons/hr)~~	~~None~~	~~N~~	~~NA~~
~~Usage~~	~~BAAQMD Condition # 20044, Part 1~~	~~Y~~		~~222,525 tons in any consecutive 12-month period~~	~~BAAQMD Condition # 20044, Part 5~~	~~P/E/M~~	~~Material Processing Records~~

VII. Applicable Limits and Compliance Monitoring Requirements

~~Table VII – C~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~S-11 WOOD GRINDER DIESEL IC ENGINE~~

~~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 Regulation 6-303~~	~~Y~~		~~Ringelmann 2.0 for 3 minutes in any hour~~	~~BAAQMD Condition # 20046, Part 9~~	~~P/E~~	~~Observation for Visible Smoke~~
~~FP~~	~~BAAQMD Regulation 6-310~~	~~Y~~		~~0.15 gr/dscf~~	~~BAAQMD Condition # 20046, Part 8~~	~~P/A~~	~~Annual Source Test~~
~~PM10~~	~~BAAQMD Condition # 20046, Part 6~~	~~Y~~		~~0.10 gr/dscf~~	~~BAAQMD Condition # 20046, Part 8~~	~~P/A~~	~~Annual Source Test~~
~~NOx~~	~~BAAQMD Condition # 20046, Part 3~~	~~Y~~		~~7.2 g/bhp-hr~~	~~BAAQMD Condition # 20046, Part 8~~	~~P/A~~	~~Annual Source Test~~
~~NMHC~~	~~BAAQMD Condition # 20046, Part 4~~	~~Y~~		~~1.5 g/bhp-hr~~	~~BAAQMD Condition # 20046, Part 8~~	~~P/A~~	~~Annual Source Test~~
~~CO~~	~~BAAQMD Condition # 20046, Part 5~~	~~Y~~		~~2.8 g/bhp-hr~~	~~BAAQMD Condition # 20046, Part 8~~	~~P/A~~	~~Annual Source Test~~
~~SO_2~~	~~BAAQMD Regulation 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 Regulation 9-1-304~~	~~Y~~		~~Fuel Sulfur Limit 0.5%~~	~~BAAQMD Condition # 20046, Part 7~~	~~P/E~~	~~Vendor Certification~~
~~SO_2~~	~~BAAQMD Condition # 20046, Part 7~~	~~Y~~		~~Fuel Sulfur Limit 0.05%~~	~~BAAQMD Condition # 20046, Part 7~~	~~P/E~~	~~Vendor Certification~~

VII. Applicable Limits and Compliance Monitoring Requirements

~~**Table VII – C**~~
~~**Applicable Limits and Compliance Monitoring Requirements**~~
~~**S-11 WOOD GRINDER DIESEL IC ENGINE**~~

~~Type of Limit~~	~~Citation of Limit~~	~~FE Y/N~~	~~Future Effective Date~~	~~Limit~~	~~Monitoring Requirement Citation~~	~~Monitoring Frequency (P/C/N)~~	~~Monitoring Type~~
~~Operating Time~~	~~BAAQMD Condition # 20046, Part 1~~	~~Y~~		~~14 hours per calendar day~~	~~BAAQMD Condition # 20046, Part 10~~	~~P/D~~	~~Records of Operating Hours~~
~~Fuel Consumption~~	~~BAAQMD Condition # 20046, Part 2~~	~~Y~~		~~57,857 gallons of diesel in any consecutive 12-month period~~	~~BAAQMD Condition # 20046, Part 10~~	~~P/D~~	~~Fuel Usage Records~~

Table VII – ~~D~~B
Applicable Limits and Compliance Monitoring Requirements
S-12, S-13 DIESEL IC ENGINES FOR POWER GENERATION

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 Regulation 6-303	Y		Ringelmann 2.0 for 3 minutes in any hour	BAAQMD Condition # 18996, Part 2	P/E	Observation for Visible Smoke
FP	BAAQMD Regulation 6-310	Y		0.15 gr/dscf	None	N	NA
SO_2	BAAQMD Regulation 9-1-301	Y		Property Line Ground Level Limits: $\leq$ 0.5 ppm for 3 minutes and $\leq$ 0.25 ppm for 60 min. and $\leq$0.05 ppm for 24 hours	None	N	NA
SO_2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	BAAQMD Condition # 18996, Part 1	P/E	Vendor Certification
SO_2	BAAQMD Condition # 18996, Part 1	Y		Fuel Sulfur Limit 0.5%	BAAQMD Condition # 18996, Part 1	P/E	Vendor Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – ~~E~~C
Applicable Limits and Compliance Monitoring Requirements
S-14 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 10861

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 # 14098	N		940,000 gallons per 12-month period	BAAQMD 8-7-503.1	P/A	Records
Through-put (exempt from Phase I)	BAAQMD 8-7-114	Y		1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501 and 8-7-503.2	P/E	Records
Organic Com-pounds	BAAQMD 8-7-301.6	Y		All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤3 drops/minute) and vapor tight	BAAQMD Condition # 16516	P/A	Static Pressure Performance Test, ST-38
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	BAAQMD Condition # 16516	P/A	Static Pressure Performance Test, ST-38

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate
BAAQMD 6-311	Process Weight Rate Based Emissions Limits	Manual of Procedures, Volume IV, ST-15, Particulates Sampling, or Calculate Emissions in Accordance with EPA AP-42 Procedures
BAAQMD 8-2-301	Organic Compound Emission Limitation for Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A
BAAQMD 8-7-301.6	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.5	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.8	Liquid Removal Rate	Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility Liquid Removal Devices or ARB Test Method TP-201.6 Determination of Liquid Removal of Vapor Recovery Systems of Dispensing Facilities
BAAQMD 8-7-302.12	Liquid Retain from Nozzles	CARB Test Procedure TP-201.2E; or CARB determined equivalent
BAAQMD 8-7-302.13	Nozzle Spitting	CARB Test Procedure TP-201.2D; or CARB determined equivalent
SIP 8-7-302.12	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses
SIP 8-7-302.13	Nozzle Spitting	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-34-301.2	Collection and Control System Leak Limitations	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.3	Limits for Flares	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
BAAQMD 8-34-303	Landfill Surface Requirements	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-305.1	Wellhead Gauge Pressure	APCO Approved Device
BAAQMD 8-34-305.2	Wellhead Temperature	APCO Approved Device
BAAQMD 8-34-305.3	Wellhead Nitrogen	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-305.4	Wellhead Oxygen	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-412	Compliance Demonstration Test	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
BAAQMD 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, or ST-19B, Total Sulfur Oxides, Integrated Sample
BAAQMD 9-1-304	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
BAAQMD 9-2-301	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
40 CFR 60.8	Performance Tests	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 1948, Part 2	Acceptance Criteria for Soils containing VOCs (VOC determination)	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21
BAAQMD Condition # 1948, Part 3	Emission Limit for Low VOC Soils	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21 and APCO Approved Calculation Procedure Described in BAAQMD Condition # 1948, Part 3
BAAQMD Condition # 1948, Part 8	Heat Input Limits	APCO approved gas flow meter and APCO approved calculation procedure described in BAAQMD Condition # 1948, Part 8
BAAQMD Condition # 1948, Part 9	Flare Combustion Temperature Limit	APCO Approved Device
BAAQMD Condition # 1948, Part 10	Landfill Gas Sulfur Content Limit	Draeger Tube: measuring hydrogen sulfide, used in accordance with manufacturer's recommended procedures
BAAQMD Condition # 16516	Static Pressure Performance Test	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks
BAAQMD Condition # 18996, Part 1	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
~~BAAQMD Condition # 20044, Part 3~~	~~Ringelmann No. 1 Limitation~~	~~Manual of Procedures, Volume I, Evaluation of Visible Emissions~~
~~BAAQMD Condition # 20046, Part 3~~	~~IC Engine NOx Limit~~	~~Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling~~
~~BAAQMD Condition # 20046, Part 4~~	~~IC Engine NMHC Limit~~	~~Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C~~
~~BAAQMD Condition # 20046, Part 5~~	~~IC Engine CO Limit~~	~~Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling~~
~~BAAQMD Condition # 20046, Part 6~~	~~IC Engine PM10 Limit~~	~~Manual of Procedures, Volume IV, ST-15, Particulate~~

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
~~BAAQMD Condition # 20046, Part 7~~	~~Fuel Sulfur Content~~	~~Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil~~

IX. PERMIT SHIELD

Not Applicable.

X. REVISION HISTORY

Final Title V Permit: **August 15, 2003**

Administrative Amendment: **January 5, 2004**

- Revised reporting dates in Condition # 1948, Part 15.
- Added Section X Revision History and renumbered subsequent sections.

Minor Revision (Application #11205): **January, 2006**

- Change the Responsible Official from Larry Burch to Dave Meyer Change the Facility Contact to Dave Meyer.
- Update the number of Vertical Gas Collection Wells given in Table IIA from 18 to 54 wells
- Remove the Wood Grinder S-10, the Diesel IC Engine for the Wood Grinder, S-11, and the Water Spray System for the Wood Grinder, A-11 from Tables IIA and IIB. This equipment is no longer located at the facility.
- Add language to Section III to clarify that this section contains requirements that may apply to temporary sources.
- Modify Sections III and IV to state that SIP standards are now found on EPA's website and are not included as part of the permit. The updated website address has been added.
- Delete SIP Regulation 1-523.5 "Maintenance and Calibration" in Table IV-A. BAAQMD Regulation 1-523.5 is now SIP approved and federally enforceable.
- Remove the future effective dates for 40 CFR Part 63 in Table IV-A.
- Remove Tables IV-B and IV-C and Tables VII-B and VII-C because the Wood Grinder S-10 and the Diesel IC Engine for the Wood Grinder, S-11 are no longer located at the facility. Change the letter designations of the remaining tables accordingly.
- Modify Condition #1948, Part 6 to account for the additions and removal of equipment as specified in Authority to Construct #11204.
- Delete Conditions #20044 and #20046 because the Wood Grinder S-11 and the Diesel IC Engine for the Wood Grinder, S-11 have been removed.
- Add a paragraph to the standard text of Section VII to state that Sections I-VI take precedence if there is a conflict with the VII Tables.
- Remove test methods for requirements pertaining to S-10 and S-11 from Table VIII.
- Remove Section XII "Applicable State Implementation Plan". The address for EPA's website is now found in Sections III and IV.

XI. GLOSSARY

ACT
Federal Clean Air Act

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

ARB
Air Resources Board (same as CARB)

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

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

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CARB
California Air Resources Board (same as ARB)

CEQA
California Environmental Quality Act

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

CH4 or CH_4
Methane

CO
Carbon Monoxide

XI. Glossary

CT
Combustion Zone Temperature

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

District
The Bay Area Air Quality Management District

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.

GDF
Gasoline Dispensing Facility

H2S or H_2S
Hydrogen Sulfide

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

XI. Glossary

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.

LFG
Landfill gas

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

MAX or Max.
Maximum

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

MIN or Min.
Minimum

MOP
The District's Manual of Procedures.

MSW
Municipal solid waste

MW
Molecular weight

N_2 or N2
Nitrogen

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

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

XI. Glossary

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx or NO_x
Oxides of nitrogen.

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

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

O2 or O_2
Oxygen

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

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

POC
Precursor Organic Compounds

PM
Particulate Matter

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

XI. Glossary

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.

PV or P/V Valve
Pressure / Vacuum Valve

RMP
Risk Management Plan

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

SO2 or SO_2
Sulfur dioxide

SSM
Startup, Shutdown, or Malfunction

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

THC
Total Hydrocarbons (NMHC + Methane)

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

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

TPH
Total Petroleum Hydrocarbons

XI. Glossary

TRMP
Toxic Risk Management Policy

TRS
Total Reduced Sulfur

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Symbols:

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

Units of Measure:

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

XI. Glossary

mm	=	million
MM	=	million
MM BTU	=	million BTU
MMcf	=	million cubic feet
Mg	=	mega grams
ppb	=	parts per billion
ppbv	=	parts per billion, by volume
ppm	=	parts per million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scf	=	standard cubic feet
scfm	=	standard cubic feet per minute
sdcf	=	standard dry cubic feet
sdcfm	=	standard dry cubic feet per minute
yd	=	yard
yd^3	=	cubic yards
yr	=	year

~~XII.APPLICABLE STATE IMPLEMENTATION PLAN~~

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

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