

Bay Area Air Quality Management District

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

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

Browning-Ferris Industries of CA, Inc.
Facility #A2266

Facility Address:

12310 San Mateo Road
Half Moon Bay, CA 94019

Mailing Address:

12310 San Mateo Road
Half Moon Bay, CA 94019

Responsible Official

Jim Gunderson, General Manager
(650) 726-1819

Facility Contact

Jim Gunderson, General Manger
(650) 726-1819

Type of Facility:

MSW Landfill

BAAQMD Permit Division Contact:

Primary SIC:

4953

Carol S. Allen

Product:

Collection and Disposal of Solid Waste

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Ellen Garvey, 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 8/2/01);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 8/27/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 8/1/00);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through 2/25/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through 2/25/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 5/17/00);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA through 2/25/99); 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 October 1, 2001 and expires on September 30, 2006. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 31, 2006 and no earlier than September 30, 2005. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after September 30, 2006.** (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)

I. Standard Conditions

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

C. Requirement to Pay Fees

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

I. Standard Conditions

D. Inspection and Entry

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

E. Records

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

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be October 1, 2001 to March 31, 2002. The report shall be submitted by April 30, 2002. Subsequent reports shall be for the following periods: April 1st through September 30th and October 1st through March 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 October 1st to September 30th. The certification shall be submitted by October 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

I. Standard Conditions

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 should be sent to the Environmental Protection Agency at the following address:

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

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

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit 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 J. and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
1	Los Trancos Canyon Landfill: (Active Solid Waste Disposal Site with Active Gas Collection System)	Accepting MSW, agricultural waste, demolition waste, auto and tire waste, sewage sludge, and asbestos.		Max. Design Capacity (waste and cover, excluding final cover) = 49.0 E6 yd ³ (37.5 E6 m ³) Max. Waste Acceptance Rate = 3598 tons/day Max. Cumulative Waste In-Place = 22.74 million tons (20.6 million Mg)
	Upper Canyon	Vertical Wells		76 wells
	Lower Canyon	Vertical Wells Horizontal Collectors		15 wells 2142 collectors (24 headers)
5	Non-Retail Gasoline Dispensing Facility G#8524 (Phase I is Coaxial, Phase II is Vapor Balance)	1 Gasoline Nozzle 1 Gasoline Tank 2 Diesel Tanks (exempt) 2 Diesel Nozzles (exempt)	OPW 11V Above-ground Above-ground EMCO Wheaton A845 and WOG 600	10 gpm 1000 gallon capacity 1000 gallon capacity and 10,000 gallon capacity 8 gpm and 35.3 gpm

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
4	Modified Landfill Gas Flare, burning propane (during start-up only) and landfill gas	S-1	See Table IV-C	See Table IV-C	See Table VII-C
5	Replacement Landfill Gas Flare, burning propane (during start-up only) and landfill gas	S-1	See Table IV-C	See Table IV-C	See Table VII-C
6	New Landfill Gas Flare, burning propane (during start-up only) and landfill gas	S-1	See Table IV-C	See Table IV-C	See Table VII-C

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
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 included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.

NOTE:

There are differences between the current BAAQMD rules and the version 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 (8/27/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (5/2/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	N
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	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 3	Organic Compounds - Architectural Coatings (11/4/98)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y ¹
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (9/16/98)	N
SIP Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (12/9/94)	Y ¹
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 ¹
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (1/17/98)	N
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants - Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants - Lead (9/2/81)	Y ¹
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/74/98)	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 ¹
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82, Subpart F	Protection of Stratospheric Ozone – Recycling and Emissions Reduction (2/21/95)	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

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

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

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
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 included in Appendix A of this permit if the SIP requirements are different from the current BAAQMD requirements. All other text may be found in the regulations themselves.

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (10/7/98)		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	Y	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 34	Organic Compounds – Solid Waste Disposal Sites (10/6/99)		
8-34-113	Limited Exemption, Inspection and Maintenance	N	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	N	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-116	Limited Exemption, Well Raising	N	
8-34-116.1	New Fill	N	
8-34-116.2	Limits on Number of Wells Shutdown	N	
8-34-116.3	Shutdown Duration Limit	N	
8-34-116.4	Capping Well Extensions	N	
8-34-116.5	Well Disconnection Records	N	
8-34-117	Limited Exemption, Gas Collection System Components	N	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	N	
8-34-117.2	New Components are Described in Collection and Control System Design Plan	N	
8-34-117.3	Meets Section 8-34-118 Requirements	N	
8-34-117.4	Limits on Number of Wells Shutdown	N	
8-34-117.5	Shutdown Duration Limit	N	
8-34-117.6	Well Disconnection Records	N	
8-34-118	Limited Exemption, Construction Activities	N	
8-34-118.1	Construction Plan	N	
8-34-118.2	Activity is Required to Maintain Compliance with this Rule	N	
8-34-118.3	Required or Approved by Other Enforcement Agencies	N	
8-34-118.4	Emission Minimization Requirement	N	
8-34-118.5	Excavated Refuse Requirements	N	
8-34-118.6	Covering Requirements for Exposed Refuse	N	
8-34-118.7	Installation Time Limit	N	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-118.8	Capping Required for New Components	N	
8-34-118.9	Construction Activity Records	N	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	N	
8-34-301.1	Continuous Operation	N	
8-34-301.2	Collection and Control Systems Leak Limitations	N	
8-34-303a	Landfill Surface Requirements	Y	Expires 7/1/02
8-34-303b	Landfill Surface Requirements	N	7/1/02
8-34-304	Gas Collection System Installation Requirements	N	
8-34-304.1	Based on Waste Age For Inactive or Closed Areas	N	
8-34-304.2	Based on Waste Age For Active Areas	N	
8-34-304.3	Based on Amount of Decomposable Waste Accepted	N	
8-34-304.4	Based on NMOC Emission Rate	N	
8-34-305	Wellhead Requirements	N	7/1/02
8-34-305.1	Operate Under Vacuum	N	7/1/02
8-34-305.2	Temperature < 55 °C	N	7/1/02
8-34-305.3	Nitrogen < 20% or	N	7/1/02
8-34-305.4	Oxygen < 5%	N	7/1/02
8-34-405	Design Capacity Reports	N	
8-34-408	Collection and Control System Design Plans	N	
8-34-408.2	Sites With Existing Collection and Control Systems	N	
8-34-411	Annual Report	N	
8-34-412	Compliance Demonstration Tests	N	
8-34-413	Performance Test Report	N	
8-34-414	Repair Schedule for Wellhead Excesses	N	7/1/02
8-34-414.1	Records of Excesses	N	7/1/02
8-34-414.2	Corrective Action	N	7/1/02
8-34-414.3	Collection System Expansion	N	7/1/02
8-34-414.4	Operational Due Date for Expansion	N	7/1/02
8-34-415	Repair Schedule for Surface Leak Excesses	N	7/1/02
8-34-415.1	Records of Excesses	N	7/1/02
8-34-415.2	Corrective Action	N	7/1/02

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

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	N	7/1/02
8-34-415.4	Re-monitor Excess Location Within 1 Month	N	7/1/02
8-34-415.5	If No More Excesses, No Further Re-Monitoring	N	7/1/02
8-34-415.6	Additional Corrective Action	N	7/1/02
8-34-415.7	Re-monitor Second Excess Within 10 days	N	7/1/02
8-34-415.8	Re-monitor Second Excess Within 1 Month	N	7/1/02
8-34-415.9	If No More Excesses, No Further Re-monitoring	N	7/1/02
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	N	7/1/02
8-34-415.11	Operational Due Date for Expansion	N	7/1/02
8-34-416	Cover Repairs	N	
8-34-501	Operating Records	N	
8-34-501.1	Collection System Downtime	N	
8-34-501.4	Testing	N	
8-34-501.6	Leak Discovery and Repair Records	N	
8-34-501.7	Waste Acceptance Records	N	
8-34-501.8	Non-decomposable Waste Records	N	
8-34-501.9	Wellhead Excesses and Repair Records	N	7/1/02
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	N	
8-34-501.12	Records Retention for 5 Years	N	
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	N	7/1/02
8-34-506	Landfill Surface Monitoring	N	7/1/02
8-34-508	Gas Flow Meter	N	
8-34-510	Cover Integrity Monitoring	N	
SIP Regulation 8, Rule 34	Organic Compounds – Solid Waste Disposal Sites (6/15/94)		
8-34-113	Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y ¹	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-301.1	Collection and Control Systems Leak Limitations	Y	
8-34-301.4	Continuous Operation	Y	
8-34-303	Landfill Surface Requirement	Y ¹	
8-34-501	Operating Records	Y	
8-34-501.1	Collection System Downtime	Y	
8-34-501.4	Records of Testing for Compliance with 8-34-111.3 or 301	Y	
8-34-501.6	Records Retention	Y	
8-34-503	Landfill Gas Collection System Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)		
8-40-110	Exemption, Storage Pile	Y	
8-40-112	Exemption, Sampling	Y	
8-40-113	Exemption, Non-Volatile Hydrocarbons	Y	
8-40-116	Exemption, Small Volume	N	
8-40-116.1	Volume does not exceed 1 cubic yard	N	
8-40-116.2	Volume does not exceed 8 cubic yards, organic content does not exceed 500 ppmw, may be used only once per quarter	N	
8-40-117	Exemption, Accidental Spills	N	
8-40-118	Exemption, Aeration Projects of Limited Impact	N	
8-40-301	Uncontrolled Contaminated Soil Aeration	N	
8-40-304	Active Storage Piles	N	
8-40-305	Inactive Storage Piles	N	
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/94)		
8-40-110	Exemption, Storage Pile	Y	
8-40-112	Exemption, Sampling	Y	
8-40-113	Exemption, Non-Volatile Hydrocarbons	Y	
8-40-301	Uncontrolled Aeration	Y ¹	
8-40-302	Controlled Aeration	Y ¹	
8-40-303	Storage Piles	Y ¹	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-40-403	Reporting, Aeration of Contaminated Soil	Y	
8-40-403.1	Total Quantity of Soil to be Aerated	Y	
8-40-403.2	Quantity of Soil to be Aerated per Day	Y	
8-40-403.3	Average Degree of Contamination or Total Organic Content in Soil	Y	
8-40-403.4	Chemical Composition of Contaminating Organics	Y	
8-40-403.5	Basis for Above Estimations	Y	
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)		
9-2-301	Limitations on Hydrogen Sulfide	N	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)		
11-1-302	Ground Level Concentration Limit Without Background	Y	
BAAQMD Regulation 11, Rule 3	Hazardous Pollutants – Beryllium (3/17/82)		
11-3-301	Emission Limitation	N	
11-3-303	Ambient Concentration Limits	N	
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants – Asbestos-Containing Serpentine (7/17/91)		
11-14-301	Prohibition of Use for Surfacing Operations	N	
11-14-501	Maintenance of Records	N	
40 CFR Part 60, Subpart A	Standards of Performance for New Stationary Sources – General Provisions (5/4/98)		
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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)	Multiple monitors are required 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 WWW	Standards of Performance for New Stationary Sources – Standards of Performance for Municipal Solid Waste Landfills (2/24/99)		
60.752	Standards for Air Emissions from Municipal Solid Waste Landfills	Y	
60.752(b)	Requirements for MSW Landfills with Design Capacity equal to or greater than 2.5 million Mg and 2.5 million m ³ (Large Designated Facilities)	Y	
60.752(b)(2)	Comply with all requirements in sections (b)(2)(i through iv)	Y	
60.752 (b)(2)(i)	Submit a Collection and Control System Design Plan	Y	
60.752 (b)(2)(i)(A)	The collection and control system in the Design Plan shall comply with 60.752(b)(2)(ii)	Y	
60.752 (b)(2)(i)(B)	Design Plan shall include all proposed alternatives to 60.753 through 60.758	Y	
60.752 (b)(2)(i)(C)	Design Plan shall conform to 60.759 (active collection system) or demonstrate sufficiency of proposed alternatives	Y	
60.752 (b)(2)(ii)	Install a collection and control system	Y	
60.752 (b)(2)(iii)	Route collected gases to a control system.	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.752 (b)(2)(iv)	Operate in accordance with 60.753, 60.755, and 60.756	Y	
60.752(c)	Title V Operating Permit Requirements	Y	
60.752(c)(1)	Subject date is June 10, 1996 for Landfills new or modified between May 30, 1991 and March 12, 1996	Y	
60.753	Operational Standards for Collection and Control Systems	Y	
60.753(a)	Operate a Collection System in each area or cell in which:	Y	
60.753(a)(1)	Active Cell – solid waste in place for 5 years or more	Y	
60.753(a)(2)	Closed/Final Grade – solid waste in place for 2 years or more	Y	
60.753(b)	Operate each wellhead under negative pressure unless:	Y	
60.753(b)(1)	Fire or increased well temperature or to prevent fire	Y	
60.753(b)(2)	Use of geomembrane or synthetic cover (subject to alternative pressure limits)	Y	
60.753(b)(3)	Decommissioned well after approval received for shut-down	Y	
60.753(c)	Operate each wellhead at < 55 °C, and either < 20% N ₂ or < than 5% O ₂ (or other approved alternative levels)	Y	
60.753(c)(1)	N ₂ determined by Method 3C	Y	
60.753(c)(2)	O ₂ determined by 3A and as described in (2)(i-v)	Y	
60.753(d)	Surface Leak Limit is less than 500 ppm methane above background at landfill surface. This section also describes some surface monitoring procedures.	Y	
60.753(e)	Vent all collected gases to a control system complying with 60.752(b)(2)(iii). If collection or control system inoperable, shut down gas mover and close all vents within 1 hour	Y	
60.753(g)	If monitoring demonstrates that 60.753(b), (c), or (d) are not being met, corrective action must be taken	Y	
60.754	Test Methods and Procedures	Y	
60.754(a)	NMOC Calculation Procedures for NMOC Emission Rate Reports and Comparison to 50 Mg/Year Standard	Y	
60.654(a)(1)	Calculate NMOC Emission Rate using either or both of the equations in 60.754(a)(1)(i-ii) with the listed default values	Y	
60.754 (a)(1)(i)	Equation for known year-to-year waste acceptance rate	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.754 (a)(1)(ii)	Equation for unknown year-to-year waste acceptance rate	Y	
60.754(a)(2)	Tier 1 - compare calculated NMOC emission rate to 50 Mg/year	Y	
60.754 (a)(2)(ii)	If NMOC Emission Rate \geq 50 Mg/year, comply with 60.752(b)(2) or determine a site-specific NMOC concentration and follow 60.754(a)(3).	Y	
60.754(c)	For PSD, NMOC emissions shall be calculated using AP-42	Y	
60.754(d)	Test Methods for Performance Test (Method 18 or 25C)	Y	
60.755	Compliance Provisions	Y	
60.755(a)	For Gas Collection Systems	Y	
60.755(a)(1)	Calculation Procedures for Maximum Expected Gas Generation Flow Rate	Y	
60.755 (a)(1)(i)	Equation for unknown year-to-year waste acceptance rate	Y	
60.755 (a)(1)(ii)	Equation for known year-to-year waste acceptance rate	Y	
60.755 (a)(1)(iii)	For closed or inactive and full sites with gas collection systems, actual flow rates may be used	Y	
60.755(a)(2)	Vertical wells and horizontal collectors shall be of sufficient density to meet all performance specifications	Y	
60.755(a)(3)	Measure wellhead pressure monthly. If pressure is positive, take corrective action (final corrective action = expand system within 120 days of initial positive pressure reading)	Y	
60.755(a)(4)	Expansion not required during first 180 days after startup.	Y	
60.755(a)(5)	Monitor wellheads monthly for temperature and either nitrogen or oxygen. If readings exceed limits, take corrective action up to expanding system within 120 days of first excess.	Y	
60.755(b)	Wells shall be placed in cells as described in design plan and no later than 60 days after:	Y	
60.755(b)(1)	Five years after initial waste placement in cell, for active cells	Y	
60.755(b)(2)	Two years after initial waste placement in cell, for closed/final grade cells.	Y	
60.755(c)	Procedures for complying with surface methane standard	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.755(c)(1)	Quarterly monitoring of surface and perimeter	Y	
60.755(c)(2)	Procedure for determining background concentration	Y	
60.755(c)(3)	Method 21 except probe inlet placed 5-10 cm above ground	Y	
60.755(c)(4)	Excess is any reading of 500 ppmv or more. Take corrective action indicated below (i-v).	Y	
60.755(c)(4)(i)	Mark and record location of excess	Y	
60.755(c)(4)(ii)	Repair cover or adjust vacuum. Re-monitor within 10 calendar days.	Y	
60.755(c)(4)(iii)	If still exceeding 500 ppmv, take additional corrective action. Re-monitor within 10 calendar days of 2 nd excess.	Y	
60.755(c)(4)(iv)	Re-monitor within 1 month of initial excess.	Y	
60.755(c)(4)(v)	For any location with 3 monitored excesses in a quarter, additional collectors (or other approved collection system repairs) shall be operational within 120 days of 1 st excess.	Y	
60.755(c)(5)	Monitor cover integrity monthly and repair as needed.	Y	
60.755(d)	Instrumentation and procedures for complying with 60.755(c).	Y	
60.755(d)(1)	Portable analyzer meeting Method 21	Y	
60.755(d)(2)	Calibrated with methane diluted to 500 ppmv in air	Y	
60.755(d)(3)	Use Method 21, Section 4.4 instrument evaluation procedures	Y	
60.755(d)(4)	Calibrate per Method 21, Section 4.2 immediately before monitoring.	Y	
60.755(e)	Provisions apply at all times except during startup, shutdown, or malfunction, provided the duration of these shall not exceed 5 days for collection systems or 1 hour for control systems.	Y	
60.756	Monitoring of Operations	Y	
60.756(a)	For active collection systems, install wellhead sampling port	Y	
60.756(a)(1)	Measure gauge pressure in wellhead on a monthly basis	Y	
60.756(a)(2)	Measure nitrogen or oxygen concentration in wellhead gas on a monthly basis.	Y	
60.756(a)(3)	Measure temperature of wellhead gas on a monthly basis.	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.756(b)(2)	Device that records flow to or bypass of the control device (i or ii below)	Y	
60.756(b)(2)(i)	Install, calibrate, and maintain a device that records flow to the control device at least every 15 minutes.	Y	
60.756(e)	Procedures for requesting alternative monitoring parameters	Y	
60.756(f)	Monitor surface on a quarterly basis. Closed landfills with no monitored excellencies in 3 consecutive quarters may reduce monitoring frequency to an annual basis	Y	
60.757	Reporting Requirements	Y	
60.757(a)	Submit an Initial Design Capacity Report	Y	
60.757(a)(3)	Amended Design Capacity Report required within 90 days of receiving a permitted increase in design capacity or within 90 days of an annual density calculation that results in a design capacity over the thresholds.	Y	
60.757(b)	Submit Initial and Annual NMOC Emission Rate Report	Y	
60.757(b)(3)	Sites with Collection and Control Systems operating in compliance with this subpart are exempt from (b)(1) and (b)(2) above.	Y	
60.757(c)	Submit a Collection and Control System Design Plan within 1 year of first NMOC emission rate report showing NMOC > 50 MG/year, except as follows	Y	
60.757(f)	Submit Annual Reports containing information required by (f)(1) through (f)(6)	Y	
60.757(f)(1)	Value and length of time for exceedance of parameters monitored per 60.756(a), (b) or (d)	Y	
60.757(f)(2)	Description and duration of all periods when gas is diverted from the control device by a by-pass line	Y	
60.757(f)(3)	Description and duration of all periods when control device was not operating for more than 1 hour	Y	
60.757(f)(4)	All periods when collection system was not operating for more than 5 days.	Y	
60.757(f)(5)	Location of each surface emission excess and all re-monitoring dates and concentrations.	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.757(f)(6)	Location and installation dates for any wells or collectors added as a result of corrective action for a monitored excess.	Y	
60.757(g)	Initial Performance Test Report Requirements (g)(1-6)	Y	
60.757(g)(1)	Diagram of collection system showing positions of all existing collectors, proposed positions for future collectors, and areas to be excluded from control.	Y	
60.757(g)(2)	Basis for collector positioning to meet sufficient density req.	Y	
60.757(g)(3)	Documentation supporting percentage of asbestos or non-degradable material claims for areas without a collection system.	Y	
60.757(g)(4)	For areas excluded from collection due to non-productivity, calculations and gas generation rates for each non-productive area and the sum for all nonproductive areas.	Y	
60.757(g)(5)	Provisions for increasing gas mover equipment if current system inadequate to handle maximum projected gas flow rate.	Y	
60.757(g)(6)	Provisions for control of off-site migration	Y	
60.758	Recordkeeping Requirements	Y	
60.758(a)	Design Capacity and Waste Acceptance Records (retain 5 years)	Y	
60.758(b)	Collection and Control Equipment Records (retain for life of control equipment except 5 years for monitoring data)	Y	
60.758(b)(1)	Collection System Records	Y	
60.758(b)(1)(i)	Maximum expected gas generation flow rate.	Y	
60.758(b)(1)(ii)	Density of wells and collectors	Y	
60.758(c)	Records of parameters monitored pursuant to 60.756 and periods of operation when boundaries are exceeded (retain for 5 years).	Y	
60.758(c)(2)	Records of continuous flow to control device or monthly inspection records if seal and lock for bypass valves	Y	
60.758(d)	Plot map showing location of all existing and planned collectors with a unique label for each collector (retain for life of collection system)	Y	
60.758(d)(1)	Installation date and location of all newly installed collectors	Y	
60.758(d)(2)	Records of nature, deposition date, amount, and location of asbestos or non-degradable waste excluded from control	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.758(e)	Records of any exceedance of 60.753, location of exceedance and re-monitoring dates and data (for wellheads and surface). Retain for 5 years.	Y	
60.759	Specifications for Active Collection Systems	Y	
60.759(a)	Active wells and collectors shall be at sufficient density	Y	
60.759(a)(1)	Collection System in refuse shall be certified by PE to achieve comprehensive control of surface gas emissions	Y	
60.759(a)(2)	Collection Systems (active or passive) outside of refuse shall address migration control	Y	
60.759(a)(3)	All gas producing areas shall be controlled except as described below (i-iii).	Y	
60.759(a)(3)(i)	Any segregated area of asbestos or non-degradable material only may be excluded, if documented adequately per 60.758(d).	Y	
60.759(a)(3)(ii)	Any non-productive areas may be excluded from control, provided total NMOC emissions from all excluded areas is < 1% of total NMOC emissions from landfill. Document amount, location, and age of waste and all calculations for each excluded area.	Y	
60.759(a)(3)(iii)	For calculating NMOC emissions, values for k and concentration of NMOC that have been previously approved shall be used or defaults if no values were approved. All non-degradable wastes that are being subtracted from total wastes for NMOC calculations must be documented adequately.	Y	
60.759(b)	Gas Collection System Components	Y	
60.759(b)(1)	Must be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved material and of suitable dimensions to convey projected gas amounts and withstand settling, traffic, etc.	Y	
60.759(b)(2)	Collectors shall not endanger liner, shall manage condensate and leachate, and shall prevent air intrusion and surface leaks.	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S1 - LOS TRANCOS CANYON LANDFILL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.759(b)(3)	Header connection assemblies shall include positive closing throttle valve, seals and couplings to prevent leaks, at least one sampling port, and shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved materials.	Y	
60.759(c)	Gas Mover Equipment shall be sized to handle maximum expected gas generation rate over the intended period of use.	Y	
60.759(c)(1)	For existing systems, flow data shall be used to project maximum flow rate.	Y	
60.759(c)(2)	For new systems, shall be calculated per 60.755(a)(1)	Y	
BAAQMD Condition # 10164			
Part 1	Limits on Operating Days (CEQA)	N	
Part 2	Waste Acceptance and Design Capacity Limits (Cumulative Increase)	Y	
Part 3	Waste Cover Requirements (1-301)	N	
Part 4	Road Surfacing Requirements for Parking and Maintenance Areas (6-301)	Y	
Part 5	Road Surfacing Requirements for On-Site Roadways (Cumulative Increase)	Y	
Part 6	Vehicle Speed Limit on Unpaved Roads (Cumulative Increase)	Y	
Part 7	Dust Suppressant and Water Application Requirements for Unpaved Roads (Cumulative Increase)	Y	
Part 8	Dust Control Requirements for Paved Roads (Cumulative Increase)	Y	
Part 9, subparts a.-f.	Vehicle Traffic Volume Limits (Cumulative Increase)	Y	
Part 10, subparts a.-c.	Vehicle Trip Length Limits (Cumulative Increase)	Y	
Part 11	Revegetation Requirement (CEQA)	N	
Part 12	Records (Cumulative Increase)	Y	
Part 13, subparts a.-e.	Records for Uncontrolled Areas or Cells (8-34-304)	Y	
Part 14, subpart a.	Collection System Requirements for Upper Canyon Area (2-1-301, 8-34-301.1, 8-34-305, and 40 CFR 60.752(b)(2)(ii))	Y	
Part 15, subparts a.-b.	Collection System Requirements for Lower Canyon Area (2-1-301, 8-34-301.1, 8-34-305, and 40 CFR 60.752(b)(2)(ii), 60.7555(a), and 60.759)	Y	

IV. Source-Specific Applicable Requirements

**Table IV – A
 Source-specific Applicable Requirements
 S1 - LOS TRANCOS CANYON LANDFILL**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 16	Collection System Continuous Operation Requirement (8-34-301.1)	Y	
Part 17	Requirement to Control Collected Landfill Gas (8-34-301 and 8-34-303)	Y	
Part 18	Total Reduced Sulfur Compound Limit and Monitoring Requirement (Cumulative Increase and Regulation 2-6-503)	Y	
Part 19, subparts a.-b.	Placement Limits for Soil that Contains VOCs (subpart a. 8-40-301, subpart b. Cumulative Increase and 8-2-301)	Y	
Part 20, subparts a.-m.	Handling Procedures for Soil Containing Volatile Organic Compounds (8-40-301, 8-40-304 and 8-40-305)	N	
Part 33	Conditions under which non-federally enforceable portions of Regulation 8, Rules 34 and 40 will become federally enforceable (2-6-207)	Y	

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

**Table IV – B
 Source-specific Applicable Requirements
 S5 – NON-RETAIL GASOLINE DISPENSING FACILITY**

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 (12/15/99)		
8-5-301	Storage Tanks Smaller Than 150 m ³	Y	
8-5-301.1	Submerged Fill Pipe	Y	
8-5-302	Above Ground Gasoline Storage Tanks Smaller Than 75 m ³	Y	
SIP Regulation 8, Rule 5	Organic Compounds, Storage of Organic Liquids (12/20/95)		
8-5-301	Storage Tanks Smaller Than 150 m ³	Y	
8-5-301.1	Submerged Fill Pipe	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S5 – NON-RETAIL GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-302	Above Ground Gasoline Storage Tanks Smaller Than 75 m ³	Y	
BAAQMD Regulation 8, Rule 7	Organic Compounds, Gasoline Dispensing Facilities (11/17/99)		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-301	Phase I Requirements		
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers	N	
8-7-301.2	CARB Certification Requirements	N	
8-7-301.3	Submerged Fill Pipe Requirement	Y	
8-7-301.5	Maintenance and Operating Requirement	N	
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	N	
8-7-301.7	Fitting Requirements for Vapor Return Line	N	
8-7-301.12	Spill Box Drain Valve Limitation	N	
8-7-302	Phase II Requirements		
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	N	
8-7-302.6	Requirements for Bellows Nozzles	N	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	N	
8-7-302.8	Minimum Liquid Removal Rate	N	
8-7-302.9	Coaxial Hose Requirement	N	
8-7-302.10	Construction Materials Specifications	N	
8-7-302.12	Liquid Retain Limitation	N	4/1/05 (estimate)
8-7-302.13	Nozzle Spitting Limitation	N	4/1/05 (estimate)
8-7-303	Topping Off	N	
8-7-304	Certification Requirements	N	
8-7-306	Prohibition of Use	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S5 – NON-RETAIL GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-307	Posting of Operating Instructions	N	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	Y	
8-7-314	Hold Open Latch Requirements	N	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	N	
8-7-401	Equipment Installation and Modification	N	
8-7-406	Testing Requirements, New and Modified Installations	N	
8-7-501	Burden of Proof	N	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	N	
8-7-503.1	Gasoline Throughput Records	N	
8-7-503.2	Maintenance Records	N	
8-7-503.3	Records Retention Time	N	
SIP Regulation 8, Rule 7	Organic Compounds, Gasoline Dispensing Facilities (3/22/95)		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirements for Transfers into Stationary Tanks	Y	
8-7-301.2	CARB Certification and Vapor Recovery Requirements	Y	
8-7-301.3	Submerged Fill Pipe Requirement	Y	
8-7-301.4	Pressure-Vacuum Relief Valve Requirements	Y ¹	
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	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S5 – NON-RETAIL GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.5	Leak-Free and Vapor Tight Requirement for Vapor Recovery Equipment	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-310	New Tank Phase II Requirements	Y ¹	
8-7-312	Removal of Gasoline	Y ¹	
8-7-401	Equipment Installation and Modification	Y	
8-7-404	Certification of New Installations	Y ¹	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
BAAQMD Condition # 7523	Gasoline Throughput Limit (Toxic Risk Management Policy)	N	
State of California, Air Resources Board, Executive Order G-70-116-F	Certification of ConVault, Inc. Aboveground Filling/Dispensing Vapor Recovery System (11/30/95)		
Paragraph 9	Tank Design Configuration Limitations	N	
Paragraph 10	Emergency Vent and Manway Requirement	N	
Paragraph 11	Requirement to Use ARB Certified Phase I and Phase II Systems	N	
Paragraph 12	Requirements for Phase I Components and Piping Configurations	N	
Paragraph 13	Requirements for the Routing of the Coaxial Hose and for Liquid Traps	N	
Paragraph 14	P/V Valve Requirements	N	
Paragraph 15	Tank Insulation Requirements	N	
Paragraph 16	Tank Exterior Surface Requirements	N	
Paragraph 17	Requirement to Comply with Local Air District Rules	N	

IV. Source-Specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S5 – NON-RETAIL GASOLINE DISPENSING FACILITY

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Paragraph 18	Requirements for Deliveries from a Cargo Truck	N	
Paragraph 19	Leak Checking Requirements	N	
Paragraph 20	Requirement to Comply with Local Fire Official’s Requirements	N	
Paragraph 21	Requirement to Comply with Other Specified Rules and Regulations	N	
Paragraph 22	Prohibition on Alteration of Equipment, Parts, Design, or Operation	N	
Paragraph 23	This Order Supersedes EO G-70-116-E (4/1/95)	N	

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

Table IV – C
Source-specific Applicable Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW 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 (10/7/98)		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	Y	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	

IV. Source-Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 34	Organic Compounds - Solid Waste Disposal Sites (10/6/99)		
8-34-113	Limited Exemption, Inspection and Maintenance	N	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	N	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	N	
8-34-301.1	Continuous Operation	N	
8-34-301.2	Collection and Control Systems Leak Limitations	N	
8-34-301.3a	Enclosed Flare Destruction Efficiency	N	Expires 7/1/02
8-34-301.3b	Limits for Enclosed Flares	N	7/1/02
8-34-408	Collection and Control System Design Plans	N	
8-34-408.2	Sites With Existing Collection and Control Systems	N	
8-34-411	Annual Report	N	
8-34-412	Compliance Demonstration Tests	N	
8-34-413	Performance Test Report	N	
8-34-501	Operating Records	N	
8-34-501.2	Emission Control System Downtime	N	
8-34-501.3	Continuous Temperature Records for Enclosed Combustors	N	
8-34-501.4	Testing	N	
8-34-501.6	Leak Discovery and Repair Records	N	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	N	
8-34-501.12	Records Retention for 5 Years	N	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-507	Continuous Temperature Monitor and Recorded	N	
8-34-508	Gas Flow Meter	N	

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Source-specific Applicable Requirements
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A6 – NEW LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 8, Rule 34	Organic Compounds - Solid Waste Disposal Sites (6/15/94)		
8-34-113	Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y ¹	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	
8-34-301.1	Collection and Control Systems Leak Limitations	Y	
8-34-301.2	Enclosed Flare Destruction Efficiency	Y ¹	
8-34-301.4	Continuous Operation	Y	
8-34-501	Operating Records	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.3	Temperature Monitoring	Y	
8-34-501.4	Records of Testing for Compliance with 8-34-111.3 or 301	Y	
8-34-501.6	Records Retention	Y	
8-34-503	Landfill Gas Collection System Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)		
9-2-301	Limitations on Hydrogen Sulfide	N	
40 CFR Part 60, Subpart A	Standards of Performance for New Stationary Sources – General Provisions (5/4/98)		

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Source-specific Applicable Requirements
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A6 – NEW LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operational before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 60, Subpart WWW	Standards of Performance for New Stationary Sources – Standards of Performance for Municipal Solid Waste Landfills (2/24/99)		
60.752	Standards for Air Emissions from Municipal Solid Waste Landfills	Y	
60.752(b)	Requirements for MSW Landfills with Design Capacity equal to or greater than 2.5 million Mg and 2.5 million m ³ (Large Designated Facilities)	Y	
60.752(b)(2)	Comply with all requirements in sections (b)(2)(i through iv)	Y	
60.752 (b)(2)(i)	Submit a Collection and Control System Design Plan	Y	
60.752 (b)(2)(i)(A)	The collection and control system in the Design Plan shall comply with 60.752(b)(2)(ii)	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.752 (b)(2)(i)(B)	Design Plan shall include all proposed alternatives to 60.753 through 60.758	Y	
60.752 (b)(2)(ii)	Install a collection and control system	Y	
60.752 (b)(2)(iii)	Route collected gases to a control system meeting the following requirements	Y	
60.752 (b)(2)(iii)(B)	Reduce NMOC emissions by 98% by weight or reduce NMOC outlet concentration to less than 20 ppmv as hexane at 3% O ₂ , dry basis, as demonstrated by initial performance test within 180 days of start-up.	Y	
60.752 (b)(2)(iv)	Operate in accordance with 60.753, 60.755, and 60.756	Y	
60.753	Operational Standards for Collection and Control Systems	Y	
60.753(e)	Vent all collected gases to a control system complying with 60.752(b)(2)(iii). If collection or control system inoperable, shut down gas mover and close all vents within 1 hour	Y	
60.753(f)	Operate the control system at all times when collected gas is routed to the control system	Y	
60.754	Test Methods and Procedures	Y	
60.754(d)	Test Methods for Performance Test (Method 18 or 25C)	Y	
60.755	Compliance Provisions	Y	
60.755(e)	Provisions apply at all times except during startup, shutdown, or malfunction, provided the duration of these shall not exceed 5 days for collection systems or 1 hour for control systems.	Y	
60.756	Monitoring of Operations	Y	
60.756(b)	Enclosed combustors shall comply with (b)(1) and (b)(2)	Y	
60.756(b)(1)	Temperature monitor and continuous recorder (not required for boilers and process heaters with capacity > 44 MW)	Y	
60.756(b)(2)	Device that records flow to or bypass of the control device	Y	
60.756 (b)(2)(i)	Install, calibrate, and maintain a device that records flow to the control device at least every 15 minutes.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.756(e)	Procedures for requesting alternative monitoring parameters	Y	
60.757	Reporting Requirements	Y	
60.757(f)	Submit Annual Reports containing information required by (f)(1) through (f)(6)	Y	
60.757(f)(1)	Value and length of time for exceedance of parameters monitored per 60.756(a), (b) or (d)	Y	
60.757(f)(2)	Description and duration of all periods when gas is diverted from the control device by a by-pass line	Y	
60.757(f)(3)	Description and duration of all periods when control device was not operating for more than 1 hour	Y	
60.757(g)	Initial Performance Test Report Requirements (g)(1-6)	Y	
60.758	Recordkeeping Requirements	Y	
60.758(b)	Collection and Control Equipment Records (retain for life of control equipment except 5 years for monitoring data)	Y	
60.758(b)(2)	Control System Records - enclosed combustors other than boilers or process heaters with heat input > 44 MW	Y	
60.758 (b)(2)(i)	Combustion temperature measured every 15 minutes and averaged over the same time period as the performance test	Y	
60.758 (b)(2)(ii)	Percent NMOC reduction achieved by the control device	Y	
60.758(c)	Records of parameters monitored pursuant to 60.756 and periods of operation when boundaries are exceeded (retain for 5 years).	Y	
60.758(c)(1)	Exceedances subject to record keeping are	Y	
60.758 (c)(1)(i)	All 3-hour periods when average combustion temperature was more than 28 C below the average combustion temperature during the most recent complying performance test	Y	
60.758(c)(2)	Records of continuous flow to control device	Y	
60.758(e)	Records of any exceedance of 60.753(e) or (f)	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 10164			
Part 18	Total Reduced Sulfur Compound Limit and Monitoring Requirement (Cumulative Increase and Regulation 2-6-503)	Y	
Part 22, subparts a.-c.	NMOC and Total Organic Compounds Destruction Efficiency Limits (8-34-301, SIP 8-34-301.2, and 40 CFR 60.752(b)(2)(iii)(B))	Y	
Part 23, subparts a.-c.	Combustion Temperature Limits (Basis: 8-34-301, 40 CFR 60.752(b)(2)(iii)(B) and 60.758(c)(1)(i), and Toxic Risk Management Policy)	Y	
Part 24	Combustion Temperature Monitoring and Recording Requirements (8-40-501.3 and 40 CFR 60.756(b)(1))	Y	
Part 25	Combustion Air Controller Requirement (2-1-403)	Y	
Part 26	Gas Flow Monitoring and Recording Requirements (40 CFR 60.756(b)(2)(i))	Y	
Part 27	Alarms and Automatic Systems Requirements (2-1-403)	Y	
Part 28	Nitrogen Oxide Emission Limit (RACT and Offsets)	Y	
Part 29	Carbon Monoxide Emission Limit (RACT and Cumulative Increase)	Y	
Part 30, subparts a.-h.	Annual Source Test Requirement (2-6-503, 8-34-301.3, 8-34-412, 40 CFR 60.752(b)(2)(iii)(B))	Y	
Part 31, subparts a.-c.	Flare Heat Input Limits (Offsets and cumulative Increase)	Y	
Part 32	Records Retention (8-34-501 and 2-6-501)	Y	
Part 33	Conditions under which non-federally enforceable portions of Regulation 8, Rules 34 and 40 will become federally enforceable (2-6-207)	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.

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.

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

Condition # 7523

For S-5, NON-RETAIL GASOLINE DISPENSING FACILITY:

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

Condition # 10164

For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

Plant 2266, Last Amended 2/18/00 per Application #380
Conditions for S-1

- *1. Landfill operations at the Los Trancos Canyon (Ox Mountain) Landfill (S-1), including the acceptance and placement of waste, earthmoving, and construction activities, shall be restricted to six days per week, Monday through Saturday. [Basis: CEQA]
2. Total waste accepted and placed at the Los Trancos Canyon Landfill (S-1) shall not exceed 835,000 tons during any consecutive twelve-month period; nor 3,598 tons during any one day. The total cumulative amount of all wastes placed in the landfill shall not exceed 22,740,000 tons. The maximum design capacity of S-1 (total volume of all wastes and cover materials placed in the landfill, excluding final cover) shall not exceed 49,000,000 cubic yards. To confirm compliance with this part, the Permit Holder of S-1 shall maintain daily records, summarized on a monthly basis, of the amount of waste accepted and placed in each area of the landfill. [Basis: Cumulative Increase]
- *3. All waste shall be covered with compacted materials meeting the requirements of the State of California. The cover frequency shall be increased as necessary to

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control odors and litter. [Basis: 1-301]

Condition # 10164

For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

4. All on-site parking and maintenance areas for vehicles and mobile equipment shall be either paved, or provided with a gravel surface and maintained as necessary to prevent dust emissions. [Basis: 6-301]
5. All on-site roadways shall be paved, except for a segment of road from the end of the paved haul road to the working face. This unpaved segment shall not exceed 1200 feet in length. Limited use access roads may also remain unpaved. Limited use access roads include fire roads and other on-site roads that are traveled infrequently for the purpose of site patrol, maintenance, or monitoring of the landfill cover, landfill gas collections system, and landfill gas control system. [Basis: Cumulative Increase]
6. The speed of vehicles on unpaved roads shall not exceed 10 mph. [Basis: Cumulative Increase]
7. All unpaved roads (excluding limited use access roads) shall be treated with 10% (wt) magnesium chloride dust suppressant solution at a rate of at least 0.5 gallons per square yard. This dust suppressant solution shall be applied at least once per calendar month, during May through October. During November through April, dust suppressant shall be applied after any dry period consisting of 30 consecutive days with less than 0.09 inches of rain per day. In addition, water shall be applied to all unpaved roads at least four times per working day. This watering schedule may be reduced during periods when there is sufficient precipitation to minimize dust emissions. [Basis: Cumulative Increase]
8. The Permit Holder of S-1 shall sweep and wash down all paved roadways at least twice per week or as necessary to maintain a clean road surface. [Basis: Cumulative Increase]
9. On-site vehicle traffic volume shall not exceed the number of round trips described below during any one day:
 - a. Transfer Trucks - 178 round trips per day
 - b. Packer Trucks - 52 round trips per day
 - c. Water Trucks - 36 round trips per day
 - d. Soil Trucks - 200 round trips per day
 - e. Misc. Heavy Equipment - 60 round trips per day
 - f. Light Duty Vehicles - 250 round trips per day

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

The Permit Holder shall apply to the District for a modification of S-1 to add any other vehicles or to increase the number of daily round trips. The Permit Holder shall maintain daily traffic records to confirm compliance with this part, except that the Permit Holder may omit the employee light duty vehicle trips from these recordkeeping requirements. [Basis: Cumulative Increase]

10. Except for the vehicles listed below, the on-site one way distance traveled by any heavy-duty vehicle (on paved roads only) shall not exceed 8,000 feet. This limitation does not apply to the following vehicle traffic, which may travel up to a maximum of 11,700 feet (one-way distance) on paved roads.
 - a. Water Trucks - 36 round trips per day
 - b. Fuel Trucks - 2 round trips per day
 - c. Employee Light-Duty Vehicles - 20 round trips per day[Basis: Cumulative Increase]
- *11. All completed landfill phases shall be revegetated in accordance with the final EIR. [Basis: CEQA]
12. The Permit Holder shall maintain appropriate records (including but not limited to: operating times, refuse acceptance rates, water and/or chemical dust suppressant application times, traffic volumes, site maps showing all paved and unpaved road lengths, etc.) to verify compliance with parts 1-11. These records shall be kept on site for at least 5 years from the date of entry and shall be made available to District personnel upon request. [Basis: Cumulative Increase]
13. In order to demonstrate compliance with Regulation 8, Rule 34, Section 304, the Permit Holder shall maintain the following records for each area or cell that is not controlled by a landfill gas collection system.
 - a. Record the date that waste was initially placed in each uncontrolled area or cell.
 - b. Record the cumulative amount of waste placed in each uncontrolled area or cell on a monthly basis.
 - c. For any areas or cells that are excluded from the collection system requirements, record the types and amounts of all non-decomposable waste placed in the area and the percentage (if any) of decomposable waste placed in the area.
 - d. Record the initial operation date for each new landfill gas well and collector.

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

- e. Maintain an accurate map of the landfill, which 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 Parts 14.a. and 15.a below. Any areas containing only non-decomposable waste shall be clearly identified. This map shall be updated at least every six months to indicate changes in refuse boundaries and to include any newly installed wells and collectors.

These records shall be kept on site for at least 5 years from the date of entry and shall be made available to District personnel upon request. [Basis: 8-34-304]

Collection and Control System Requirements

14. The Permit Holder of S-1 shall have a properly operated and properly maintained landfill gas collection system in the Upper Los Trancos Canyon Fill Area. The Permit Holder shall apply for and receive ~~written authorization~~ an Authority to Construct from the District before implementing any changes to the Collection and Control System Design Plan. Increasing or decreasing the number of wells or collectors or significantly changing the locations, depths or lengths of wells or collectors are all considered to be modifications that are subject to the Authority to Construct requirement.
 - a. This gas collection system shall consist of 76 vertical wells.
[Basis: 2-1-301, 8-34-301.1, 8-34-305, and NSPS: 40 CFR 60.752(b)(2)(ii)]
15. The Permit Holder of S-1 shall have a properly operated and properly maintained landfill gas collection system in the Lower Los Trancos Canyon Fill Area. The Permit Holder shall apply for and receive ~~written authorization~~ an Authority to Construct from the District before implementing any changes to the Collection and Control System Design Plan. Increasing or decreasing the number of wells or collectors or significantly changing the locations, depths, or lengths of wells or collectors are all considered to be modifications that are subject to the Authority to Construct requirement.
 - a. This gas collection system shall consist of ~~24~~242 horizontal collectors (monitored at ~~24~~ headers) and 15 vertical wells.

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

- b. The Permit Holder has been issued an Authority to Construct for the additional landfill gas collection system components listed below. The minimum number of wells shall be installed by no later than March 1, 2002. Specific well locations, depths, and lengths of associated piping are as described in detail in Permit Application # 3221. Wells installed pursuant to Part 15.b. shall be added to Part 15.a. via an administrative permit amendment.

<u>Minimum Collectors</u>	<u>Maximum Collectors</u>
8 horizontal	18 horizontal

[Basis: 2-1-301, 8-34-301.1, 8-34-305, and NSPS: 40 CFR 60.752(b)(2)(ii), 60.755(a) and 60.759]

16. The landfill gas collection systems described in parts 14.a. and 15.a. shall be operated continuously. Wells shall not be disconnected or removed, nor isolation valves shut completely off, unless the Permit Holder complies with all applicable requirements of Regulation 8, Rule 34, Sections 113, 116, 117, and 118. [Basis: 8-34-301.1]
17. All landfill gas collected by the horizontal and vertical landfill gas collection systems for S-1 shall be abated by Flares (A-4, A-5, or A-6). Under no circumstances shall raw landfill gas be vented to the atmosphere. This limitation does not apply to unavoidable landfill gas emissions that occur during collection system installation, maintenance, or repair performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118 or to inadvertent component or surface leaks that do not exceed the limits specified in 8-34-301.2 or 8-34-303. [Basis: 8-34-301 and 8-34-303]
18. The concentration of total reduced sulfur compounds in the collected landfill gas shall not exceed 92 ppmv as H₂S. Total reduced sulfur compounds in the collected landfill gas shall be monitored as a surrogate for monitoring sulfur dioxide in control systems exhaust. In order to demonstrate compliance with this part, the Permit Holder shall measure the total sulfur content in collected landfill gas on a quarterly basis using a draeger tube. 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: Cumulative Increase and Regulation 2-6-503]

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

Conditions for Contaminated Soil Daily Cover Operations

19. The Permit Holder of the S-1 Active Landfill shall not handle soil containing volatile organic compounds (VOCs) or use soil containing VOCs as cover material, unless the following provisions are met.
 - a. The Permit Holder satisfies all requirements of Regulation 8, Rule 40, Sections 116, 117, or 118; or
[Basis: 8-40-301]
 - b. The Permit Holder can demonstrate that the soil is not “contaminated” as defined in Regulation 8-40-205 (contains less than or equal to 50 ppmw of VOCs); and the Permit Holder places no more than 118.75 tons/day and no more than 31,800 tons/year of such soil in the landfill (disposal and cover use combined). These placement limits do not apply to the placement of soil that has no known contamination of VOCs.
[Basis: Cumulative Increase and 8-2-301]

- *20. Handling Procedures for Soil Containing Volatile Organic Compounds
 - a. The procedures listed below in subparts b-l do not apply if the following criteria are satisfied. However, the record keeping requirements in subpart m below are applicable.
 - i. The Permit Holder has appropriate documentation demonstrating that either the organic content of the soil or the organic concentration above the soil is below the “contaminated” level (as defined in Regulation 8, Rule 40, Sections 205, 207, and 211). The handling of soil containing VOCs in concentrations below the “contaminated” level is subject to Part 19 above.
 - ii. The Permit Holder has no documentation to prove that soil is not contaminated, but source of the soil is known and there is no reason to suspect that the soil might contain organic compounds.
 - b. The Permit Holder shall provide notification to the Compliance and Enforcement Division of the Permit Holder’s intention to accept contaminated soil at the facility at least 24 hours in advance of receiving the contaminated soil. The Permit Holder shall provide an estimate of the amount of contaminated soil to be received, the degree of contamination (range and average VOC Content), and the type or source of contamination.

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

- c. Any soil received at the facility that is known or suspected to contain volatile organic compounds (VOCs) shall be handled as if the soil were contaminated, unless the Permit Holder receives test results proving that the soil is not contaminated. To prove that the soil is not contaminated, the Permit Holder shall collect soil samples in accordance with Regulation 8-40-601 within 24 hours of receipt of the soil by the facility. The organic content of the collected soil samples shall be determined in accordance with Regulation 8-40-602.
 - i. If these test results indicate that the soil is still contaminated or if the soil was not sampled within 24 hours of receipt by the facility, the Permit Holder must continue to handle the soil in accordance with the procedures subparts d-1 below, until the soil has completed treatment or has been placed in a final disposal location and adequately covered. Storing soil in a temporary stockpile or pit is not considered treatment. Co-mingling, blending, or mixing of soil lots is not considered treatment.
 - ii. If these test results indicate that the soil – as received at the facility – has an organic content of 50 ppmw or less, then the soil may be considered to be not contaminated and need not be handled in accordance with the procedures listed in subparts d-1 below, but shall be handled in accordance with Part 19 above.
- d. Any contaminated soil received at the facility shall be clearly identified as contaminated soil, shall be handled in accordance with subparts e-1 below, and shall be segregated from non-contaminated soil. Contaminated soil lots may not be co-mingled, blended, or otherwise mixed with non-contaminated soil lots prior to treatment, reuse, or disposal. Mixing soil lots in an attempt to reduce the overall concentration of the contaminated soil or to circumvent any requirements or limits is strictly prohibited.

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

- e. On-site handling of contaminated soil shall be limited to no more than two on-site transfers per soil lot. For instance, unloading soil from off-site transport vehicles into a temporary storage pile is considered one transfer. Moving soil from a temporary storage pile to a staging area is considered one transfer. Moving soil from a temporary storage pile to a final disposal site is considered one transfer. Moving soil from a staging area to a final disposal site is considered one transfer. Therefore, unloading soil from off-site transport into a temporary storage pile and then moving the soil from that temporary storage pile to the final disposal site is allowed. Unloading soil from off-site transport into a staging area and then moving the soil from that staging area to the final disposal site is allowed. However, unloading soil from off-site transport to a temporary storage pile, moving this soil to a staging area, and then moving the soil again to a final disposal site is three on-site transfers and is not allowed.
- f. If the contaminated soil has an organic content of less than 500 ppmw, the contaminated soil shall either be treated or deposited in a final disposal site or transported off-site for treatment, within 90 days of receipt at the facility.
- g. If the contaminated soil has an organic content 500 ppmw or more, the contaminated soil shall either be treated or deposited in a final disposal site or transported off-site for treatment, within 45 days of receipt at the facility.
- h. All active storage piles shall meet the requirements of Regulation 8-40-304 by using water sprays, vapor suppressants or approved coverings to minimize emissions. The exposed surface area of any active storage pile (including the active face at a landfill) shall be limited to 6000 ft². The types of storage piles that may become subject to these provisions include (but are not limited to) truck unloading areas, staging areas, temporary stockpiles, soil on conveyors, bulldozers or trucks, the active face of a landfill, or other permanent storage pile at the final disposal location.

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Condition # 10164

For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

- i. All inactive storage piles shall meet the requirements of Regulation 8-40-305 including the requirement to cover contaminated soil during periods of inactivity longer than one hour. The types of storage piles that may become subject to these provisions include (but are not limited to) soil on trucks or other on-site equipment, staging areas, temporary stockpiles, and the permanent storage pile at the final disposal location. District approved coverings for inactive storage piles include continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) or encapsulating vapor suppressants (with re-treatment as necessary to prevent emissions).
- j. The Permit Holder must:
 - i. Keep contaminated soil covered with continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) whenever soil is to be stored in temporary stockpiles or during on-site transport in trucks. Soil in trucks shall not be left uncovered for more than 1 hour.
 - ii. Establish a tipping area for contaminated soils near the active face that is isolated from the tipping area for other wastes.
 - iii. Spray contaminated soil with water or vapor suppressant immediately after dumping the soil from a truck at the tipping area.
 - iv. Ensure that all contaminated soil is transferred from the tipping area to the active face immediately after spraying with water or vapor suppressant.
 - v. Ensure that contaminated soil in the tipping area is not disturbed by subsequent trucks. Trucks shall not drive over contaminated soil in the tipping area or track contaminated soil out of the tipping area on their wheels.
 - vi. Spray contaminated soil on the active face with water or vapor suppressant (to keep the soil visibly moist) until the soil can be covered with an approved covering.
 - vii. Limit the area of exposed soil on the active face to no more than 6000 ft².
 - viii. Ensure that contaminated soil spread on the active face is completely covered on all sides with one of the following approved coverings: at least 6 inches of clean compacted soil, at least 12 inches of compacted garbage, or at least 12 inches of compacted green waste.
 - ix. Ensure that covering of soil on the active face is completed within one hour of the time that the soil was first dumped from a

VI. Permit Conditions

truck at the tipping area.

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

- k. Contaminated soil shall not be used as daily, intermediate, or final cover material for landfill waste operations unless the requirements of Regulation 8, Rule 40, Sections 116 or 117 have been satisfied.
- l. Contaminated soil is considered to be a decomposable solid waste pursuant to Regulation 8, Rule 34. All contaminated soil disposed of at a site shall be included in any calculations of the amount of decomposable waste in place for annual reporting requirements or for purposes of 8-34-111 or 8-34-304.
- m. The Permit Holder shall keep the following records for each lot of soil received, in order to demonstrate on-going compliance with the applicable provisions of Regulation 8, Rule 40.
 - i. For all soil received by the facility (including soil with no known contamination), record the arrival date at the facility, the soil lot number, the amount of soil in the lot, the organic content or organic concentration of the lot (if known), the type of contamination (if any), and keep copies of any test data or other information that documents whether the soil is contaminated (as defined in 8-40-205) or not contaminated, with what, and by how much.
 - ii. If the soil is tested for organic content after receipt by the facility, a report with the sampling date, test results, and the date results were received.
 - iii. For all on-site handling of contaminated soil, use a checklist or other approved method to demonstrate that appropriate procedures were followed during all on-site handling activities. One checklist shall be completed for each day and for each soil lot (if multiple lots are handled per day).
 - iv. For soil aerated in accordance with 8-40-116 or 117 record the soil lot number, the amount of soil in the lot, the organic content, the final placement date, the final placement location, and describe how the soil was handled or used on-site.
 - v. For final disposal at a landfill, record on a daily basis the soil lot number, the amount of soil placed in the landfill, the disposal date, and the disposal location.

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

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

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

Conditions for A-4, A-5, and A-6

22. Each Flare (A-4, A-5, and A-6) shall meet all of the following requirements:
 - a. For each flare, the destruction efficiency of total hydrocarbons shall not be less than 98% by weight. [Basis: 8-34-301.3, SIP 8-34-301.2]; and
 - b. For each flare, the destruction efficiency for total non-methane organic compounds (NMOC) shall not be less than 98% by weight unless the outlet NMOC concentration is less than 20 ppmv, expressed as hexane at 3% oxygen on a dry basis. [Basis: 40 CFR 60.752(b)(2)(iii)(B)]; and
 - c. Effective July 1, 2002, for each flare, the destruction efficiency for total non-methane organic compounds (NMOC) shall not be less than 98% by weight unless the outlet NMOC concentration is less than 30 ppmv, expressed as methane at 3% oxygen on a dry basis. This subpart is not federally enforceable unless EPA approves the October 6, 1999 version of Regulation 8, Rule 34 into the SIP. [Basis: 8-34-301.3]

23. Each Flare (A-4, A-5, and A-6) shall operate at the minimum combustion zone temperature indicated in subparts a-c below. These minimum temperatures shall be adjusted via an administrative permit amendment, if a flare source test demonstrates compliance with all applicable requirements at a different temperature. The minimum combustion zone temperature for a flare shall be equal to the average combustion zone temperature determined during the most recent complying source test minus 50 degrees F, provided that the minimum combustion zone temperature is not less than 1200 degrees F.
 - a. The A-4 Landfill Gas Flare shall operate at a minimum combustion zone temperature of at least 1600 degrees F, averaged over any 3-hour period.
 - b. The A-5 Landfill Gas Flare shall operate at a minimum combustion zone temperature of at least 1455 degrees F, averaged over any 3-hour period.
 - c. The A-6 Landfill Gas Flare shall operate at a minimum combustion zone temperature of at least 1407 degrees F, averaged over any 3-hour period. [Basis: 8-34-301, NSPS: 40 CFR 60.752(b)(2)(iii)(B), 60.758(c)(1)(i), and Toxic Risk Management Policy]

24. Each Flare (A-4, A-5, and A-6) shall be equipped with a temperature monitor with readout display and a continuous temperature recorder. One or more thermocouples shall be placed in the primary combustion zone of the flare and shall accurately indicate flare combustion zone temperature at all times. [Basis: 8-34-501.3, NSPS: 40 CFR 60.756(b)(1)]

25. Each Flare (A-4, A-5, and A-6) shall be equipped with automatic combustion air

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controls. [Basis: 2-1-403]

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

26. Each Flare (A-4, A-5, and A-6) shall be equipped with a properly maintained and properly calibrated flow meter to measure gas flow into each flare. Gas flow shall be recorded at least every 15 minutes. [Basis: NSPS: 40 CFR 60.756(b)(2)(i)]
27. Each Flare (A-4, A-5, and A-6) shall be equipped with an automatic gas shutoff valve, local and remote alarms, and an automatic restart system. [Basis: 2-1-403]
28. The concentration of nitrogen oxides (NO_x) in the outlet from any Flare (A-4, A-5, or A-6) shall not exceed 0.042 pounds per million BTU. [Basis: RACT and Offsets]
29. The concentration of carbon monoxide (CO) in the outlet from any Flare (A-4, A-5, or A-6) shall not exceed 0.2 pounds per million BTU. [Basis: RACT and Cumulative Increase]
30. In order to demonstrate compliance with Parts 28 and 29 above, Regulation 8, Rule 34, Section 301.3 and 40 CFR 60.752(b)(2)(iii)(B), the Permit Holder shall ensure that a District approved source test is conducted annually on each Landfill Gas Flare (A-4, A-5, and A-6). The source tests shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. 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 (CO₂), nitrogen (N₂), oxygen (O₂), methane (CH₄), total non-methane hydrocarbons (NMOC), and total hydrocarbons (THC) in the landfill gas;
 - c. the heat input to the flare (BTU/hour);
 - d. stack gas flow rate from the flare (dry basis);
 - e. concentrations (dry basis) of NO_x, CO, CH₄, NMOC, THC, and O₂ in the flare stack gas;
 - f. the emission rate per heat input (pounds/MM BTU) for NO_x and CO
 - g. the CH₄, NMOC, and THC destruction efficiencies achieved by the flare; and
 - h. the average combustion temperature in the flare during the test period.The Source Test Section of the District shall be contacted to obtain its approval of the source test procedures. The Source Test Section shall be notified at least 7 days in advance of each source test. The source test report shall be submitted to

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the Compliance and Enforcement Division within 45 days after the test date.
[Basis: 2-6-503, 8-34-301.3, 8-34-412, and 40 CFR 60.752(b)(2)(iii)(B)]

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For S-1, LOS TRANCOS CANYON LANDFILL; A-4, MODIFIED LANDFILL GAS FLARE; A-5, REPLACEMENT LANDFILL GAS FLARE; AND A-6, NEW LANDFILL GAS FLARE:

31. The heat input to each of the Flares (A-4, A-5, and A-6) shall not exceed the limits described below for each flare.
 - a. The heat input to A-4 shall not exceed 720 MM BTU during any one day nor 262,800 MM BTU during any consecutive 12-month period.
 - b. The heat input to A-5 shall not exceed 1440 MM BTU during any one day nor 525,600 MM BTU during any consecutive 12 month period.
 - c. The heat input to A-6 shall not exceed 3024 MM BTU during any one day nor 1,103,760 MM BTU during any consecutive 12 month period.[Basis: Offsets and Cumulative Increase]

32. The Permit Holder shall retain all records related to compliance with parts 22-31 for a minimum of 5 years. Such records include source test reports, continuous temperature records, gas flow rate records, and start-up and shut-down dates and times. All records shall be kept on site and made available to District staff upon request. [Basis: 8-34-501, 2-6-501]

33. The non-federally enforceable portions of Regulation 8, Rules 34 and 40, will be federally enforceable when EPA approves the latest rules into the State Implementation Plan or into the State Plan for Municipal Solid Waste Landfills. The Title V permit shall be amended using administrative amendment procedures. [Basis: Regulation 2-6-207]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installation Dates	BAAQMD 8-34-304.1	N		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 # 10164, Part 13, subparts a.-e.	P/E	Records
Collection System Installation Dates	BAAQMD 8-34-304.2	N		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 # 10164, Part 13, subparts a.-e.	P/E	Records

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Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installation Dates	BAAQMD 8-34-304.3	N		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 # 10164, Part 13, subparts a.-e.	P/E	Records
Collection System Installation Dates	40 CFR 60.753 (a)(2) and 60.755 (b)(2)	Y		For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	40 CFR 60.758(a), (d)(1) and (d)(2), and 60.759(a)(3)	P/E	Records
Collection System Installation Dates	40 CFR 60.753 (a)(1) and 60.755 (b)(1)	Y		For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	40 CFR 60.758(a), (d)(1) and (d)(2)	P/E	Records
Gas Flow	BAAQMD 8-34-301 and 301.1 and BAAQMD Condition # 10164, Parts 16 and 17	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD Condition # 10164, Part 26	C	Gas Flow Meter and Recorder

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Flow	BAAQMD 8-34-301 and 301.1	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD 8-34-501.10 and 508 (effective 7/1/02)	C	Gas Flow Meter and Recorder (every 15 minutes); effective 7/1/02
Gas Flow	SIP 8-34-301 and 301.4	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	SIP 8-34-501.1	P/D	Operating Records
Gas Flow	40 CFR 60.753(a) and (e)	Y		Operate a Collection System in each area or cell and vent all collected gases to a properly operating control system	40 CFR 60.756(b)(2) (i) and 60.758(c)(2)	C	Gas Flow Meter and Recorder (every 15 minutes)
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	N		240 hours/year nor 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating Records
Collection and Control Systems Shutdown Time	SIP 8-34-113.2	Y ¹		12 hours/calendar month	SIP 8-34-501.1	P/D	Operating Records

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Startup Shutdown or Malfunction	40 CFR 60.755(e)	Y		5 days per event	40 CFR 60.7(b), 60.757(f)(2) and (f)(4)	P/D	Operating Records (all occurrences and duration of each)
Periods of Inoperation for Parametric 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
Continuous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors
Wellhead Pressure	BAAQMD 8-34-305.1	N	7/1/02	< 0 psig	BAAQMD 8-34-414, 501.9 and 505.1	P/M	Monthly Inspection and Records
Wellhead Pressure	40 CFR 60.753(b)	Y		< 0 psig	40 CFR 60.755(a)(3), 60.756(a)(1), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Temperature of Gas at Wellhead	BAAQMD 8-34-305.2	N	7/1/02	< 55 °C	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly Inspection and Records

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Temperature of Gas at Wellhead	40 CFR 60.753(c)	Y		< 55 °C	40 CFR 60.755(a)(5), 60.756(a)(3), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Gas Concentrations at Wellhead	BAAQMD 8-34-305.3 or 305.4	N	7/1/02	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
Gas Concentrations at Wellhead	40 CFR 60.753(c)	Y		N ₂ < 20% OR O ₂ < 5%	40 CFR 60.755(a)(5), 60.756(a)(2), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Well Shutdown Limits	BAAQMD 8-34-116.2	N		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	N		24 hours per well	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.4	N		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-117.6 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.5	N		24 hours per well	BAAQMD 8-34-117.6 and 501.1	P/D	Records

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Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-301.2	N		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	SIP 8-34-301.1	Y		1000 ppmv as methane (component leak limit)	SIP 8-34-503	P/Q	Quarterly Inspection with OVA
TOC	BAAQMD 8-34-303a	Y	Expires 7/1/02	1000 ppmv as methane at 3 inches above surface	40 CFR 60.755(c)(1), (4) and (5), 60.756(f), and 60.758(c) and (e)	P/M, Q and E	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspection Times for Leaking Areas, and Records

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Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC	BAAQMD 8-34-303b	N	7/1/02	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 Reinspection Times for Leaking Areas, and Records
TOC	SIP 8-34-303	Y ¹		1000 ppmv as methane at 3 inches above surface	40 CFR 60.755(c)(1), (4) and (5), 60.756(f), and 60.758(c) and (e)	P/M, Q and E	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspection Times for Leaking Areas, and Records

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Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC	40 CFR 60.753(d)	Y		<500 ppmv as methane at 5-10 cm from surface	40 CFR 60.755(c)(1), (4) and (5), 60.756(f), and 60.758(c) and (e)	P/M, Q and E	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspection Times for Leaking Areas, and Records
Total Carbon	BAAQMD 8-2-301	Y		15 pounds/day or 300 ppm, dry basis only for aeration or use as cover soil of soil containing \leq 50 ppmw of volatile organic compounds	BAAQMD Condition # 10164, Part 20, subpart m.	P/E	Records
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD Condition # 10164, Part 19, subpart b.	Y		118.75 tons per day and 31,800 tons per year of soil containing VOCs	BAAQMD Condition # 10164, Part 20, subpart m.	P/E	Records

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S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type																				
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-116.1 and BAAQMD Condition # 10164, Parts 19.a. and 20	N		1 cubic yard per project	BAAQMD Condition # 10164, Part 20, subpart m.	P/E	Records																				
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-116.2 and BAAQMD Condition # 10164, Parts 19.a. and 20	N		8 cubic yards per project, provided organic content \leq 500 ppmw and limited to 1 exempt project per 3 month period	BAAQMD 8-40-116.2 and BAAQMD Condition # 10164, Part 20, subpart m.	P/E	Records																				
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-301 and BAAQMD Condition # 10164, Parts 19.a. and 20	N		Prohibited for Soil with Organic Content >50 ppmw unless exempt per BAAQMD 8-40-116, 117, or 118	BAAQMD Condition # 10164, Part 20, subpart m.	P/E	Records																				
Amount of Contaminated Soil Aerated or Used as Cover	SIP 8-40-301	Y ¹		<table border="0"> <tr> <td>Organic Content</td> <td>Amount</td> </tr> <tr> <td>ppmw</td> <td>yd³/day</td> </tr> <tr> <td>50-99</td> <td>600</td> </tr> <tr> <td>100-499</td> <td>120</td> </tr> <tr> <td>500-999</td> <td>60</td> </tr> <tr> <td>1000-1999</td> <td>30</td> </tr> <tr> <td>2000-2999</td> <td>15</td> </tr> <tr> <td>3000-3999</td> <td>10</td> </tr> <tr> <td>4000-4999</td> <td>8</td> </tr> <tr> <td>5000+</td> <td>0.1</td> </tr> </table>	Organic Content	Amount	ppmw	yd ³ /day	50-99	600	100-499	120	500-999	60	1000-1999	30	2000-2999	15	3000-3999	10	4000-4999	8	5000+	0.1	BAAQMD Condition # 10164, Part 20, subpart m.	P/E	Records
Organic Content	Amount																										
ppmw	yd ³ /day																										
50-99	600																										
100-499	120																										
500-999	60																										
1000-1999	30																										
2000-2999	15																										
3000-3999	10																										
4000-4999	8																										
5000+	0.1																										

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S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Amount of Accidental Spillage	BAAQMD 8-40-117 and BAAQMD Condition # 10164, Parts 19.a. and 20	N		Soil Contaminated by Accidental Spillage of ≤ 5 Gallons of Liquid Organic Compounds		N	
Total Aeration Project Emissions	BAAQMD 8-40-118 and BAAQMD Condition # 10164, Parts 19.a. and 20	N		150 pounds per project and toxic air contaminant emissions per year <BAAQMD Table 2-1-316 limits	BAAQMD Condition # 10164, Part 20, subpart m.	P/E	Records
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for 3 minutes in any hour	BAAQMD Condition # 10164, Part 12	P/D	Records of Water and Dust Suppressant Application
Waste Received	BAAQMD Condition # 10164, Part 2	Y		3,598 tons per day and 835,000 tons per 12-month period	BAAQMD Condition # 10164, Part 12	P/D	Records
Cumulative Waste In-Place	BAAQMD Condition # 10164, Part 2	Y		22,740,000 tons (20,600,000 Mg)	BAAQMD Condition # 10164, Parts 12 and 13	P/D	Records of Waste Placed in Landfill

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Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Design Capacity	BAAQMD Condition # 10164, Part 2	Y		49,000,000 yd ³ (37,500,000 m ³) of all wastes and cover materials (excluding final cover)	BAAQMD Condition # 10164, Parts 12, 13, and 20.m.	P/D	Records of Materials Placed in Landfill
Unpaved Road Length	BAAQMD Condition # 10164, Part 5	Y		1200 feet from paved haul road to working face	BAAQMD Condition # 10164, Part 12	P/E	Site Maps
Vehicle Speed	BAAQMD Condition # 10164, Part 6	Y		10 mph on unpaved roads		N	
Dust Suppressant Application Rate for Unpaved Roads	BAAQMD Condition # 10164, Part 7	Y		0.5 gallons per square yard of 10% magnesium chloride applied once per calendar month between May 1 and November 1 and once every 30 consecutive dry days between November 1 and May 1	BAAQMD Condition # 10164, Part 12	P/E	Records
Water Application Rate for Unpaved Roads	BAAQMD Condition # 10164, Part 7	Y		four times per day on dry days and as needed on wet days	BAAQMD Condition # 10164, Part 12	P/D	Records
Cleaning Rate for Paved Roads	BAAQMD Condition # 10164, Part 8	Y		sweep and wash twice per week or as necessary	BAAQMD Condition # 10164, Part 12	P/E	Records

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Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9, subpart a	Y		178 round trips per day for transfer trucks	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9, subpart b	Y		52 round trips per day for packer trucks	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9, subpart c	Y		36 round trips per day for water trucks	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9, subpart d	Y		200 round trips per day for soil trucks	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9, subpart e	Y		60 round trips per day for miscellaneous heavy equipment	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9, subpart f	Y		250 round trips per day for light duty vehicles (excluding employee vehicles)	BAAQMD Condition # 10164, Part 12	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Truck Traffic Trip Length	BAAQMD Condition # 10164, Part 10	Y		8000 feet (one way) on paved roads for all heavy-duty vehicles except water trucks, fuel trucks, and employee light duty vehicles	BAAQMD Condition # 10164, Part 12	P/E	Site Maps
Truck Traffic Trip Length	BAAQMD Condition # 10164, Part 10, subpart a.	Y		11,700 feet (one-way) for water trucks (36 round trips per day)	BAAQMD Condition # 10164, Part 12.	P/E,D	Site Maps and Records
Truck Traffic Trip Length	BAAQMD Condition # 10164, Part 10, subpart b.	Y		11,700 feet (one-way) for fuel trucks (2 round trips per day)	BAAQMD Condition # 10164, Part 12.	P/E,D	Site Maps and Records
Truck Traffic Trip Length	BAAQMD Condition # 10164, Part 10, subpart c.	Y		11,700 feet (one-way) for employee light duty vehicles (20 round trips per day)	BAAQMD Condition # 10164, Part 12.	P/E,D	Site Maps and Records
H ₂ S	BAAQMD 9-2-301	N		Property Line ground level limits ≤ 0.06 ppm Averaged over 3 minutes and ≤ 0.03 ppm Averaged over 60 minutes		N	
Total Reduced Sulfur Content in Landfill Gas	BAAQMD Condition # 10164, Part 18	Y		92 ppmv as H ₂ S	BAAQMD Condition # 10164, Part 18	P/Q	Sulfur Analysis of landfill gas only

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S1 – LOS TRANCOS CANYON LANDFILL

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Lead	BAAQMD 11-1-302	Y		Ground Level Concentration $\leq 1.0 \mu\text{g}/\text{m}^3$ averaged over 24 hours		N	
Beryllium	BAAQMD 11-3-301 or 303	N		10 grams / 24 hours or $0.01 \mu\text{g}/\text{m}^3$ averaged over 30 days		N	
Serpentine Material	BAAQMD 11-14-301	N		Surfacing Material $\leq 5\%$ Asbestos	BAAQMD 11-14-501	P/D	Records of Testing and Receipts
Operating Time	BAAQMD Condition # 10164, Part 1	N		Monday through Saturday	BAAQMD Condition # 10164, Part 12	P/D	Records

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.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S5 – NON-RETAIL GASOLINE DISPENSING FACILITY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Through-put	BAAQMD Condition # 7523	N		400,000 gallons per 12-month period	BAAQMD 8-7-503.1	P/A	Records
Through-put (exempt from Phase I)	BAAQMD 8-7-114 and SIP 8-7-114	Y		1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501 and 8-7-503.2 and SIP 8-7-501	P/E	Records
Organic Compounds	BAAQMD 8-7-301.2	N		All Phase I Systems Shall Meet the Emission Limitations of the Applicable CARB Certification		N	
Organic Compounds	SIP 8-7-301.2	Y ¹		All Phase I Systems Shall Recover \geq 95% of Gasoline Vapors, During Bulk Loading Events		N	
Organic Compounds	BAAQMD 8-7-301.6	N		All Phase I Equipment (except components with allowable leak rates) shall be leak free (\leq 3 drops/minute) and vapor tight	CARB EO G-70-116-F, paragraph 19	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S5 – NON-RETAIL GASOLINE DISPENSING FACILITY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Compounds	SIP 8-7-301.6	Y		All Phase I Equipment (except P/V Relief Valves) Shall be leak free (≤ 3 drops/minute) and vapor tight	CARB EO G-70-116-F, paragraph 19	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Compounds	BAAQMD 8-7-302.5	N		All Phase II Equipment (except components with allowable leak rates or at the nozzle/fill-pipe interface) Shall Be: leak free (≤ 3 drops/minute) and vapor tight	CARB EO G-70-116-F, paragraph 19	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Compounds	SIP 8-7-302.5	Y		All Phase II Equipment Shall Be: leak free (≤ 3 drops/minute) and vapor tight	CARB EO G-70-116-F, paragraph 19	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S5 – NON-RETAIL GASOLINE DISPENSING FACILITY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Compounds	CARB EO G-70-116-F, paragraph 10	N		Any Emergency Vent or Manway Shall Be: leak free	CARB EO G-70-116-F, paragraph 19	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Compounds	SIP 8-7-312	Y ¹		Vapor Recovery System Shall Recover 95% of Gasoline Vapors, when gasoline is transferred from tanks to delivery vehicles		N	
Defective Component Repair/ Replacement Time Limit	BAAQMD 8-7-302.4 and SIP 8-7-302.4	Y		7 days		N	
Liquid Removal Rate	BAAQMD 8-7-302.8	N		≥ 5 ml per gallon dispensed, when dispensing rate > 5 gallons/minute		N	
Liquid Retain from Nozzles	BAAQMD 8-7-302.12	N	4/1/05 (estimate)	100 ml per 1000 gallons dispensed		N	
Nozzle Spitting	BAAQMD 8-7-302.13	N	4/1/05 (estimate)	1.0 ml per nozzle per test		N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S5 – NON-RETAIL GASOLINE DISPENSING FACILITY

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Pressure-Vacuum Valve Settings	BAAQMD 8-7-316 and CARB EO G-70-116-F, paragraph 14	N		Pressure Setting: 2.5 inches of water, gauge		N	
Pressure-Vacuum Valve Settings	BAAQMD 8-5-302	Y		Pressure Setting: 10% of maximum working pressure or at least 0.5 psig		N	
Pressure-Vacuum Valve Settings	SIP 8-5-302	Y		Pressure Setting: 10% of maximum working pressure or at least 0.5 psig		N	
Pressure-Vacuum Valve Settings	SIP 8-7-301.4	Y ¹		Pressure Setting: 1-3 inches of water, gauge		N	
Disconnection Liquid Leaks	CARB EO G-70-116-F, paragraph 12	N		10 ml per disconnect, averaged over 3 disconnect operations	CARB EO G-70-116-F, paragraph 19	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

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.

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Heat Input	BAAQMD Condition # 10164, Part 31, subpart a.	Y		A-4 720 MM BTU per day and 262,800 MM BTU per 12-month period	BAAQMD Condition # 10164, Part 26	C	Gas Flow Meter and Recorder
Heat Input	BAAQMD Condition # 10164, Part 31, subpart b.	Y		A-5 1,440 MM BTU per day and 525,600 MM BTU per 12-month period	BAAQMD Condition # 10164, Part 26	C	Gas Flow Meter and Recorder
Heat Input	BAAQMD Condition # 10164, Part 31, subpart c.	Y		A-6 3,024 MM BTU per day and 1,103,760 MM BTU per 12-month period	BAAQMD Condition # 10164, Part 26	C	Gas Flow Meter and Recorder
Gas Flow	BAAQMD Condition # 10164, Part 17	Y		Vent all collected gases to a properly operating control system.	BAAQMD Condition # 10164, Parts 26 and 27	C	Gas Flow Meter and Recorder, Automatic Shut-Off Valves, and Alarms
Gas Flow	BAAQMD 8-34-301, 301.1, and 301.3	Y		Vent all collected gases to a properly operating control system and operate control system continuously.	BAAQMD 8-34-501.10 and 508 (effective 7/1/02)	C	Gas Flow Meter and Recorder (every 15 minutes); effective 7/1/02

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Flow	SIP 8-34-301, 301.2, and 301.4	Y		Vent all collected gases to a properly operating control system and operate control system continuously.	SIP 8-34-501.2 and BAAQMD Condition # 10164, Parts 26 and 27	P/D and C	Operating Records, Flow Meter and Recorder, Automatic Shut-Off Valves, and Alarms
Gas Flow	40 CFR 60.752 (b)(2)(iii) and 60.753(e) and (f)	Y		Vent all collected gases to a properly operating control system and operate control system at all times when gas is vented to it	40 CFR 60.756(b)(2) (i) and 60.758(c)(2)	C	Gas Flow Meter and Recorder (every 15 minutes)
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	N		240 hours/year	BAAQMD 8-34-501.2	P/D	Operating Records
Collection and Control Systems Shutdown Time	SIP 8-34-113.2	Y ¹		12 hours/calendar month	SIP 8-34-501.2	P/D	Operating Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Control System Startup Shutdown or Mal-function	40 CFR 60.755(e)	Y		1 hour per event	40 CFR 60.7(b), 60.757(f)(2) and (f)(3)	P/D	Operating Records (all occurrences and duration of each)
TOC	BAAQMD 8-34-301.3a and BAAQMD Condition # 10164, Part 22, subpart a.	N	Expires 7/1/02	98% removal by weight	BAAQMD Condition # 10164, Part 30, subparts a., b., d., e., g., and h.	P/A	Annual Source Tests
TOC	SIP 8-34-301.2 and BAAQMD Condition # 10164, Part 22, subpart a.	Y		98% removal by weight	BAAQMD Condition # 10164, Part 30, subparts a., b., d., e., g., and h.	P/A	Annual Source Tests
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-301.3b and BAAQMD Condition # 10164, Part 22, subpart c.	N	7/1/02	98% removal by weight OR < 30 ppmv dry @ 3% O ₂ , expressed as methane	BAAQMD 8-34-412 and BAAQMD Condition # 10164, Part 30, subparts a., b., d., e., g., and h.	P/A	Initial and Annual Source Tests

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NMOC	40 CFR 60.752(b) (2)(iii)(B) and BAAQMD Condition # 10164, Part 22, subpart b.	Y		98% removal by weight OR < 20 ppmv dry @ 3% O ₂ , expressed as hexane	40 CFR 60.8 and 60.752(b) (2)(iii)(B) and 60.758 (b)(2)(ii) and BAAQMD Condition # 10164, Part 30, subparts a., b., d., e., g., and h.	P/A	Initial and Annual Source Tests
Temperature of Combustion Zone (CT)	BAAQMD Condition # 10164, Part 23, subparts a.-c.	Y		A-4: CT ≥ 1600 °F A-5: CT ≥ 1455 °F A-6: CT ≥ 1407 °F (all temperature limits are averaged over any 3-hour period)	BAAQMD 8-34-501.3 and 507, SIP 8-34-501.3 and BAAQMD Condition # 10164, Part 24	C	Temperature Sensor and Recorder (continuous)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Temperature of Combustion Zone (CT)	40 CFR 60.758 (c)(1)(i)	Y		CT (3-hour average) $\geq (CT_{PF} - 28 \text{ }^\circ\text{C})$, where CT_{PF} is the average combustion temperature during the most recent complying performance test	40 CFR 60.756(b)(1) and 60.758 (b)(2)(i)	C	Temperature Sensor and Recorder (measured every 15 minutes and averaged over performance test time period and 3-hours)
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-301.2	N		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	SIP 8-34-301.1	Y		1000 ppmv, as methane (component leak limit)	SIP 8-34-503	P/Q	Quarterly Inspection with OVA
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for 3 minutes in any hour	BAAQMD 8-34-501.3 and 507, SIP 8-34-501.3 BAAQMD Condition # 10164, Part 24	C	Temperature Sensor and Recorder (continuous)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		0.15 grains/dscf		N	
SO ₂	BAAQMD 9-1-301	Y		Property Line Ground Level Limits ≤0.5 ppm for 3 min., ≤0.25 ppm for 60 min., ≤0.05 ppm for 24 hrs.		N	
SO ₂	BAAQMD 9-1-302	Y		≤ 300 ppm (dry)	BAAQMD Condition # 10164, Part 18	P/Q	Sulfur Analysis of landfill gas only
H ₂ S	BAAQMD 9-2-301	N		Property Line ground level limits ≤ 0.06 ppm Averaged over 3 minutes and ≤ 0.03 ppm Averaged over 60 minutes		N	
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 10164, Part 18	Y		92 ppmv as H ₂ S	BAAQMD Condition # 10164, Part 18	P/Q	Sulfur Analysis of landfill gas only
NO _x	BAAQMD Condition # 10164, Part 28	Y		0.042 pounds / MM BTU from each flare	BAAQMD Condition # 10164, Part 30, subparts c.-f.	P/A	Annual Source Tests
CO	BAAQMD Condition # 10164, Part 29	Y		0.2 pounds / MM BTU from each flare	BAAQMD Condition # 10164, Part 30, subparts c.-f.	P/A	Annual Source Tests

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
A4 – MODIFIED LANDFILL GAS FLARE
A5 – REPLACEMENT LANDFILL GAS FLARE
A6 – NEW LANDFILL GAS FLARE

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors
Continuous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors

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.

VIII. TEST METHODS

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

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate
BAAQMD 8-2-301	Total Carbon Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A
SIP 8-7-301.2 ¹	Phase I Vapor Recovery Efficiency	Manual of Procedures, Volume IV, ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency or ARB Test Method TP 201.1 Determination of Efficiency of Phase I Vapor Recovery Systems of Dispensing Facilities without Assist Processors
BAAQMD 8-7-301.6	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.5	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.8	Liquid Removal Rate	Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility Liquid Removal Devices or ARB Test Method TP-201.6 Determination of Liquid Removal of Vapor Recovery Systems of Dispensing Facilities
BAAQMD 8-7-302.12	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet)
BAAQMD 8-7-302.13	Nozzle Spitting	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet)

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**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
SIP 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
SIP 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
SIP 8-7-312	Vapor Recovery Efficiency During Transfer of Gasoline from Tanks to Delivery Vehicles	Manual of Procedures, Volume IV, ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency or ARB Test Method TP 201.1 Determination of Efficiency of Phase I Vapor Recovery Systems of Dispensing Facilities without Assist Processors
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

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**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
SIP 8-34-301.1	Collection and Control Systems Leak Limitations	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
SIP 8-34-301.2 ¹	Flare Limit	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A
SIP 8-34-303	Landfill Surface Emissions	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-40-116.2	Organic Content Limit for Small Volume Exemption	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B
BAAQMD 8-40-301	Limits on Uncontrolled Aeration of Contaminated Soil	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21
SIP 8-40-301 ¹	Limits on Uncontrolled Aeration of Contaminated Soil	BAAQMD 8-40-601 and EPA Reference Methods 8010 or 8015
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 9-2-301	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 11-1-302	Ground Level Concentration Limit Without Background (lead)	Manual of Procedures, Volume VI, Part 2, Atmospheric Sampling of Ground Level Lead Concentrations, Sections 2.1 General and 2.2 Mass Emission Limitations
BAAQMD 11-3-301	Emission Limitation (beryllium)	Test waste in accordance with EPA SW-846 and calculate emissions in accordance with EPA AP-42
BAAQMD 11-14-301	Prohibition of Use for Surfacing Operations (asbestos serpentine)	ARB Test Method 435, Determination of Asbestos Content of Serpentine Aggregate
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

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**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 60.752 (b)(2)(iii)(B)	NMOC Outlet Concentration and Destruction Efficiency Limits	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
40 CFR 60.753(b)	Wellhead Pressure	APCO Approved Device
40 CFR 60.753(c)	Temperature, N ₂ , and O ₂ concentration in wellhead gas	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
40 CFR 60.753(d)	Methane Limit at Landfill Surface	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD Condition # 10164		
Part 18	Limit for Total Reduced Sulfur Compounds in Landfill Gas	Draeger Tube: used in accordance with manufacturer's recommended procedures
Part 19, subpart b. and Part 20	Acceptance Criteria for VOC Contaminated Soil	EPA Reference Methods 8015B, 8021B, or any method determined to be equivalent by the US EPA and approved by the APCO
Part 22	NMOC Destruction Efficiency Limit and NMOC Outlet Concentration Limit	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
Part 22	Total Organic Compound Destruction Efficiency 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
Part 23, subparts a.-c.	Combustion Temperature Limit for Each Flare	APCO Approved Device
Part 28	NO _x Limit	Manual of Procedures, Volume IV, Oxides of Nitrogen, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 20 and APCO Approved Calculation Procedure

VIII. Test Methods

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
Part 29	CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 10 and APCO Approved Calculation Procedure
CARB EO G-70-116-F, paragraph 10	Leak Free Emergency Vent or Manway	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
CARB EO G-70-116-F, paragraph 12	Disconnection Liquid Leaks for Phase I Systems	BAAQMD Enforcement Division, Policies and Procedures, Regulation 8, Rule 33, Bulk Gasoline Distribution Facilities and Gasoline Delivery Vehicles Guidelines, Section 5.B.1.

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.

IX. PERMIT SHIELD

Not Applicable

X. GLOSSARY

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CEQA

California Environmental Quality Act

CFR

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

CO

Carbon Monoxide

Cumulative Increase

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

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

X. Glossary

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 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP

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

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

Major Facility

A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MFR

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

MOP

The District's Manual of Procedures.

NAAQS

National Ambient Air Quality Standards

NESHAPs

National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC

Non-methane Hydrocarbons (same as NMOC).

NMOC

Non-methane Organic Compounds (same as NMHC).

NO_x

Oxides of nitrogen.

X. Glossary

X. Glossary

NSPS

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

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO_x, PM₁₀, and SO₂.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Total Particulate Matter

PM₁₀

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD

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

SIP

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

X. Glossary

SO₂

Sulfur dioxide

THC

Total Hydrocarbons includes all NMHC plus methane (same as TOC).

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 includes all NMOC plus methane (same as THC).

TSP

Total Suspended Particulate

VOC

Volatile Organic Compounds

Units of Measure:

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

XI. APPLICABLE STATE IMPLEMENTATION PLAN

See Attachments