## **Bay Area Air Quality Management District**

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

### **Final**

### **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** 

**Facility Contact** 

Jim Gunderson, General Manager (650) 726-1819

Jim Gunderson, General Manger (650) 726-1819

Type of Facility: MSW Landfill BAAQMD Engineering Division

Contact:

**Primary SIC:** 4953 Carol S. Allen

**Product:** Collection and Disposal of Solid Waste

#### ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jack P. Broadbent October 1, 2007

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

Date

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#### I. STANDARD CONDITIONS

#### A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations: BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on 7/19/06);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 7/19/06);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through 1/26/99);

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

(as amended by the District Board on6/15/05);

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

(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on12/21/04);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking

(as approved by EPA through 1/26/99); and

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review

(as amended by the District Board on 4/16/03).

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

- 1. This Major Facility Review Permit was issued on October 1, 2007 and expires on September 30, 2012. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 30, 2012 and no earlier than September 30, 2011. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after September 30, 2012. If the permit renewal has not been issued by September 30, 2012, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
- 2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

#### I. Standard Conditions

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

- 4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
- 5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
- 7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
- 8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
- 9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B Public Information, Confidentiality of Business Information. (40 CFR Part 2)
- 10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
- 11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
- 12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

#### I. Standard Conditions

#### C. Requirement to Pay Fees

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

#### D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment 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, 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, 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 through September 30th. The certification shall be submitted by October 31st of each year. The certification must

#### I. Standard Conditions

list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification 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 I.J. and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
1	Los Trancos Canyon Landfill:	Accepting MSW,		Max. Design Capacity
	(Active Solid Waste Disposal Site	agricultural waste,		(waste and cover, excluding
	with Active Gas Collection	demolition waste, auto		final cover) = $49.0 \text{ E6 yd}^3$
	System)	and tire waste, sewage		$(37.5 \text{ E6 m}^3)$
		sludge, and asbestos.		Max. Waste Acceptance
				Rate = 3598 tons/day
				Max. Cumulative Waste In-
				Place = 22.74 million tons
				(20.6 million Mg)
	Gas Collection System	Vertical Wells		145 wells
		Horizontal Collectors		16 monitoring points
5	Non-Retail Gasoline Dispensing	1 Gasoline Nozzle	EW 4005	10 gpm
	Facility - G# 8524 (Phase I is	1 Gasoline Tank	Above-	1000 gallon capacity
	Two-Point, Phase II is Vapor		ground	
	Balance)	2 Diesel Tanks (exempt)	Above-	1000 gallon capacity and
			ground	
		2 Diesel Nozzles (exempt)	EMCO	10,000 gallon capacity
			Wheaton	8 gpm and 35.3 gpm
			A845 and	
			WOG 600	
12	Stockpile of Green Waste	handling and storing yard		480 tons/day and
		and green waste		70,000 tons/year

## II. Equipment

**Table II B – Abatement Devices** 

		Source(s)	Applicable	Operating	Limit or
<b>A-</b> #	Description	Controlled	Requirement	Parameters	Efficiency
7	Landfill Gas Flare,	S-1	BAAQMD	Minimum combustion	Either 98%
	60 MM BTU/hour, burning		8-34-301.3,	zone temperature of:	destruction of
	propane (during start-up		See also	1400 °F	NMOC or
	only) and landfill gas		Table IV-A	(3-hour average),	< 30 ppmv of
				See also Table VII-A	NMOC, as CH <sub>4</sub> , at
					3% O <sub>2</sub> , dry
8	Landfill Gas Flare,	S-1	BAAQMD	Minimum combustion	Either 98%
	60 MM BTU/hour, burning		8-34-301.3,	zone temperature of:	destruction of
	propane (during start-up		See also	1400 °F	NMOC or
	only) and landfill gas		Table IV-A	(3-hour average),	< 30 ppmv of
				See also Table VII-A	NMOC, as CH <sub>4</sub> ,
					at 3% O <sub>2</sub> , dry
9	Landfill Gas Flare,	S-1	BAAQMD	Minimum combustion	Either 98%
	126 MM BTU/hour, burning		8-34-301.3,	zone temperature of:	destruction of
	propane (during start-up		See also	1400 °F	NMOC or
	only) and landfill gas		Table IV-A	(3-hour average),	< 30 ppmv of
				See also Table VII-A	NMOC, as CH <sub>4</sub> ,
					at 3% O <sub>2</sub> , dry

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#### III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is:

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

#### **NOTE:**

There are differences between the current BAAQMD rules and the version of the rules in the SIP. All sources must comply with <u>both</u> 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 (7/19/06)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (7/19/06)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (6/15/05)	N
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y

## III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable	Regulation Title or	Federally Enforceable
Requirement	Description of Requirement	(Y/N)
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
BAAQMD 8-40-116	Exemption, Small Volume	Y
BAAQMD 8-40-117	Exemption, Accidental Spills	Y
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide	N

## III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
	(10/6/99)	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants - Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants - Lead (9/2/81)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants - Asbestos Containing Serpentine (7/17/91)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Code of Regulations Title 17, Section 93105	Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations (7/26/01)	N
California Code of Regulations Title 17, Section 93106	Asbestos Airborne Toxic Control Measure for Asbestos- Containing Serpentine (7/20/00)	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines (9/9/05)	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/9/05)	N
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (4/9/04)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82, Subpart F	Protection of Stratospheric Ozone – Recycling and Emissions Reduction (3/12/04)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is:

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

All other text may be found in the regulations themselves.

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD			
Regulation 1	General Provisions and Definitions (7/19/06)		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Reporting requirement for periods of inoperation > 24 hours	Y	
1-523.2	Limit on duration of inoperation	Y	
1-523.3	Reporting requirement for violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	
SIP	General Provisions and Definitions (6/28/99)		
Regulation 1			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	

## IV. Source-Specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
1-523.3	Reports of Violations	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 (applies to flares only)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD	Organic Compounds – Miscellaneous Operations (7/20/05)		
Regulation 8,			
Rule 2			
8-2-301	Miscellaneous Operations	Y	
BAAQMD			
Regulation 8,	Organic Compounds – Solid Waste Disposal Sites (6/15/05)		
Rule 34			
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-116	Limited Exemption, Well Raising	Y	
8-34-116.1	New Fill	Y	
8-34-116.2	Limits on Number of Wells Shutdown	Y	
8-34-116.3	Shutdown Duration Limit	Y	
8-34-116.4	Capping Well Extensions	Y	
8-34-116.5	Well Disconnection Records	Y	
8-34-117	Limited Exemption, Gas Collection System Components	Y	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	Y	
8-34-117.2	New Components are Described in Collection and Control System	Y	
	Design Plan		
8-34-117.3	Meets Section 8-34-118 Requirements	Y	
8-34-117.4	Limits on Number of Wells Shutdown	Y	
8-34-117.5	Shutdown Duration Limit	Y	
8-34-117.6	Well Disconnection Records	Y	

## IV. Source-Specific Applicable Requirements

# Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-118	Limited Exemption, Construction Activities	Y	
8-34-118.1	Construction Plan	Y	
8-34-118.2	Activity is Required to Maintain Compliance with this Rule	Y	
8-34-118.3	Required or Approved by Other Enforcement Agencies	Y	
8-34-118.4	Emission Minimization Requirement	Y	
8-34-118.5	Excavated Refuse Requirements	Y	
8-34-118.6	Covering Requirements for Exposed Refuse	Y	
8-34-118.7	Installation Time Limit	Y	
8-34-118.8	Capping Required for New Components	Y	
8-34-118.9	Construction Activity Records	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.3	Limits for Enclosed Flares (applies to flares only)	Y	
8-34-303	Landfill Surface Requirements	Y	
8-34-304	Gas Collection System Installation Requirements	Y	
8-34-304.1	Based on Waste Age For Inactive or Closed Areas	Y	
8-34-304.2	Based on Waste Age For Active Areas	Y	
8-34-304.3	Based on Amount of Decomposable Waste Accepted	Y	
8-34-304.4	Based on NMOC Emission Rate	Y	
8-34-305	Wellhead Requirements	Y	
8-34-305.1	Operate Under Vacuum	Y	
8-34-305.2	Temperature < 55 °C	Y	
8-34-305.3	Nitrogen < 20% or	Y	
8-34-305.4	Oxygen < 5%	Y	
	(except for wells identified in Condition # 10164, Part 18b(i))		
8-34-404	Less than Continuous Operation Petition	Y	
8-34-405	Design Capacity Reports	Y	
8-34-408	Collection and Control System Design Plans	Y	
8-34-408.2	Sites With Existing Collection and Control Systems	Y	
8-34-411	Annual Report	Y	
8-34-412	Compliance Demonstration Tests	Y	

## IV. Source-Specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
8-34-413	Performance Test Report	Y	
8-34-414	Repair Schedule for Wellhead Excesses	Y	
8-34-414.1	Records of Excesses	Y	
8-34-414.2	Corrective Action	Y	
8-34-414.3	Collection System Expansion	Y	
8-34-414.4	Operational Due Date for Expansion	Y	
8-34-415	Repair Schedule for Surface Leak Excesses	Y	
8-34-415.1	Records of Excesses	Y	
8-34-415.2	Corrective Action	Y	
8-34-415.3	Re-monitor Excess Location Within 10 Days	Y	
8-34-415.4	Re-monitor Excess Location Within 1 Month	Y	
8-34-415.5	If No More Excesses, No Further Re-Monitoring	Y	
8-34-415.6	Additional Corrective Action	Y	
8-34-415.7	Re-monitor Second Excess Within 10 days	Y	
8-34-415.8	Re-monitor Second Excess Within 1 Month	Y	
8-34-415.9	If No More Excesses, No Further Re-monitoring	Y	
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	Y	
8-34-415.11	Operational Due Date for Expansion	Y	
8-34-416	Cover Repairs	Y	
8-34-501	Operating Records	Y	
8-34-501.1	Collection System Downtime	Y	
8-34-501.2	Emission Control System Downtime (applies to flares only)	Y	
8-34-501.3	Continuous Temperature Records for Enclosed Combustors	Y	
0.04.704.4	(applies to flares only)		
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.7	Waste Acceptance Records	Y	
8-34-501.8	Non-decomposable Waste Records	Y	
8-34-501.9	Wellhead Excesses and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.12	Records Retention for 5 Years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	

## IV. Source-Specific Applicable Requirements

Regulation Title or Description of Requirement	Enforceable	Effective
Description of Requirement		Effective
	(Y/N)	Date
Portable Hydrocarbon Detector	Y	
Well Head Monitoring	Y	
Landfill Surface Monitoring	Y	
Continuous Temperature Monitor and Recorded (applies to flares only)	Y	
Gas Flow Meter	Y	
Cover Integrity Monitoring	Y	
Organic Compounds - Aeration of Contaminated Soil and Removal of		
Underground Storage Tanks (6/15/05)		
Exemption, Storage Pile	Y	
Exemption, Sampling	Y	
Exemption, Non-Volatile Hydrocarbons	Y	
Exemption, Small Volume	Y	
Volume does not exceed 1 cubic yard	Y	
Volume does not exceed 8 cubic yards, organic content does not	Y	
exceed 500 ppmw, may be used only once per quarter		
Exemption, Accidental Spills	Y	
Exemption, Aeration Projects of Limited Impact	Y	
Uncontrolled Contaminated Soil Aeration	Y	
Active Storage Piles	Y	
Inactive Storage Piles	Y	
Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
Limitations on Ground Level Concentrations (applies to flares only)	Y	
General Emission Limitations (applies to flares only)	Y	
Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)		
Limitations on Hydrogen Sulfide	N	
	Continuous Temperature Monitor and Recorded (applies to flares only)  Gas Flow Meter  Cover Integrity Monitoring  Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)  Exemption, Storage Pile  Exemption, Sampling  Exemption, Non-Volatile Hydrocarbons  Exemption, Small Volume  Volume does not exceed 1 cubic yard  Volume does not exceed 8 cubic yards, organic content does not exceed 500 ppmw, may be used only once per quarter  Exemption, Accidental Spills  Exemption, Aeration Projects of Limited Impact  Uncontrolled Contaminated Soil Aeration  Active Storage Piles  Inactive Storage Piles  Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)  Limitations on Ground Level Concentrations (applies to flares only)  General Emission Limitations (applies to flares only)  Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)	Landfill Surface Monitoring Y Continuous Temperature Monitor and Recorded (applies to flares only) Y Gas Flow Meter Y Cover Integrity Monitoring Y Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)  Exemption, Storage Pile Y Exemption, Sampling Y Exemption, Non-Volatile Hydrocarbons Y Exemption, Small Volume Y Volume does not exceed 1 cubic yard Y Volume does not exceed 8 cubic yards, organic content does not exceed 500 ppmw, may be used only once per quarter Exemption, Accidental Spills Y Exemption, Aeration Projects of Limited Impact Y Uncontrolled Contaminated Soil Aeration Y Active Storage Piles Y Inactive Storage Piles Y Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)  Limitations on Ground Level Concentrations (applies to flares only) Y Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)

## IV. Source-Specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
40 CFR	Standards of Performance for New Stationary Sources - General		
Part 60,	<b>Provisions</b> (6/13/07)		
Subpart A			
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other	Y	
	Correspondence to the Administrator		
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)	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	Standards of Performance for New Stationary Sources – Standards of		
60, Subpart WWW	Performance for Municipal Solid Waste Landfills (9/21/06)		
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	Y	
, ,	greater than 2.5 million Mg and 2.5 million m³ (Large Designated		
	Facilities)		
60.752(b)(2)	Comply with all requirements in sections (b)(2)(i through iv)	Y	
60.752	Submit a Collection and Control System Design Plan	Y	
(b)(2)(i)			
60.752	The collection and control system in the Design Plan shall	Y	
(b)(2)(i)(A)	comply with 60.752(b)(2)(ii)		

## IV. Source-Specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.752	Design Plan shall include all proposed alternatives to 60.753	Y	
(b)(2)(i)(B)	through 60.758		
60.752	Design Plan shall conform to 60.759 (active collection	Y	
(b)(2)(i)(C)	system) or demonstrate sufficiency of proposed alternatives		
60.752	Install a collection and control system	Y	
(b)(2)(ii)			
60.752	Route collected gases to a control system.	Y	
(b)(2)(iii)			
60.752	Reduce NMOC emissions by 98% by weight or reduce	Y	
(b)(2)(iii)(B)	NMOC outlet concentration to less than 20 ppmv as		
	hexane at 3% O2, dry basis, as demonstrated by initial		
	performance test within 180 days of start-up.		
	(applies to flares only)		
60.752	Operate in accordance with 60.753, 60.755, and 60.756	Y	
(b)(2)(iv)			
60.752(c)	Title V Operating Permit Requirements	Y	
60.752(c)(1)	Subject date is June 10, 1996 for Landfills new or modified	Y	
	between May 30, 1991 and March 12, 1996		
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	Y	
	pressure limits)		
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 <sub>2</sub> or $<$ than 5%	Y	
	O <sub>2</sub> (or other approved alternative levels for wells identified in		
	Condition # 10164, Part 18b(i))		
60.753(c)(1)	N <sub>2</sub> determined by Method 3C	Y	
60.753(c)(2)	O <sub>2</sub> determined by 3A and as described in (2)(i-v)	Y	

## IV. Source-Specific Applicable Requirements

# Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.753(d)	Surface Leak Limit is less than 500 ppm methane above background at	Y	
	landfill surface. This section also describes some surface monitoring		
	procedures.		
60.753(e)	Vent all collected gases to a control system complying with	Y	
	60.752(b)(2)(iii). If collection or control system inoperable, shut down		
	gas mover and close all vents within 1 hour		
60.753(f)	Operate the control system at all times when collected gas is routed to	Y	
	the control system		
60.753(g)	If monitoring demonstrates that 60.753(b), (c), or (d) are not being	Y	
	met, corrective action must be taken		
60.754	Test Methods and Procedures	Y	
60.754(a)	NMOC Calculation Procedures for NMOC Emission Rate Reports and	Y	
	Comparison to 50 Mg/Year Standard		
60.654(a)(1)	Calculate NMOC Emission Rate using either or both of the	Y	
	equations in 60.754(a)(1)(i-ii) with the listed default values		
60.754	Equation for known year-to-year waste acceptance rate	Y	
(a)(1)(i)			
60.754	Equation for unknown year-to-year waste acceptance rate	Y	
(a)(1)(ii)			
60.754(a)(2)	Tier 1 - compare calculated NMOC emission rate to 50 Mg/year	Y	
60.754	If NMOC Emission Rate ≥ 50 Mg/year, comply with	Y	
(a)(2)(ii)	60.752(b)(2) or determine a site-specific NMOC concentration		
	and follow 60.754(a)(3).		
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	Y	
	Flow Rate		
60.755	Equation for unknown year-to-year waste acceptance rate	Y	
(a)(1)(i)			
60.755	Equation for known year-to-year waste acceptance rate	Y	
(a)(1)(ii)			

### IV. Source-Specific Applicable Requirements

# Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.755	For closed or inactive and full sites with gas collection	Y	
(a)(1)(iii)	systems, actual flow rates may be used		
60.755(a)(2)	Vertical wells and horizontal collectors shall be of sufficient	Y	
	density to meet all performance specifications		
60.755(a)(3)	Measure wellhead pressure monthly. If pressure is positive, take	Y	
	corrective action (final corrective action = expand system within		
	120 days of initial positive pressure reading)		
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	Y	
	oxygen. If readings exceed limits, take corrective action up to		
	expanding system within 120 days of first excess.		
60.755(b)	Wells shall be placed in cells as described in design plan and no later	Y	
	than 60 days after:		
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	Y	
	grade cells.		
60.755(c)	Procedures for complying with surface methane standard	Y	
60.755(c)(1)	Quarterly monitoring of surface and perimeter	Y	
60.755(c)(2)	Procedure for determining background concentration	Y	
60.755(c)(3)	Method 21 except probe inlet placed 5-10 cm above ground	Y	
60.755(c)(4)	Excess is any reading of 500 ppmv or more. Take corrective	Y	
	action indicated below (i-v).		
60.755	Mark and record location of excess	Y	
(c)(4)(i)			
60.755	Repair cover or adjust vacuum. Re-monitor within 10	Y	
(c)(4)(ii)	calendar days.		
60.755	If still exceeding 500 ppmv, take additional corrective action.	Y	
(c)(4)(iii)	Re-monitor within 10 calendar days of 2 <sup>nd</sup> excess.		
60.755	Re-monitor within 1 month of initial excess.	Y	
(c)(4)(iv)			
60.755	For any location with 3 monitored excesses in a quarter,	Y	
(c)(4)(v)	additional collectors (or other approved collection system		
	repairs) shall be operational within 120 days of 1 <sup>st</sup> excess.		

## IV. Source-Specific Applicable Requirements

# Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

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

## IV. Source-Specific Applicable Requirements

# Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
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	Y	
001727(0)(0)	with this subpart are exempt from (b)(1) and (b)(2) above.	-	
60.757(c)	Submit a Collection and Control System Design Plan within 1 year of	Y	
	first NMOC emission rate report showing NMOC > 50 MG/year,		
	except as follows		
60.757(f)	Submit Annual Reports containing information required by (f)(1)	Y	
	through (f)(6)		
60.757(f)(1)	Value and length of time for exceedance of parameters monitored	Y	
-0.777(0.40)	per 60.756(a), (b) or (d)		
60.757(f)(2)	Description and duration of all periods when gas is diverted from	Y	
	the control device by a by-pass line		
60.757(f)(3)	Description and duration of all periods when control device was	Y	
	not operating for more than 1 hour		
60.757(f)(4)	All periods when collection system was not operating for more	Y	
50 F5F(0 (5)	than 5 days.	***	
60.757(f)(5)	Location of each surface emission excess and all re-monitoring	Y	
-0(0.(5)	dates and concentrations.		
60.757(f)(6)	Location and installation dates for any wells or collectors added as	Y	
	a result of corrective action for a monitored excess.		
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	Y	
	collectors, proposed positions for future collectors, and areas to be		
	excluded from control.		
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-	Y	
	degradable material claims for areas without a collection system.		
60.757(g)(4)	For areas excluded from collection due to non-productivity,	Y	
	calculations and gas generation rates for each non-productive area		
	and the sum for all nonproductive areas.		
60.757(g)(5)	Provisions for increasing gas mover equipment if current system	Y	
	inadequate to handle maximum projected gas flow rate.		
60.757(g)(6)	Provisions for control of off-site migration	Y	

## IV. Source-Specific Applicable Requirements

# Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Applicable Requirement	Regulation Title or  Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.758	Recordkeeping Requirements	Y	
60.758(a)	Design Capacity and Waste Acceptance Records (retain 5 years)	Y	
60.758(b)	Collection and Control Equipment Records (retain for life of control equipment except 5 years for monitoring data)	Y	
60.758(b)(1)	Collection System Records	Y	
60.758 (b)(1)(i)	Maximum expected gas generation flow rate.	Y	
60.758 (b)(1)(ii)	Density of wells and collectors	Y	
60.758(b)(2)	Control System Records - enclosed combustors other than boilers or process heaters with heat input > 44 MW	Y	
60.758 (b)(2)(i)	Combustion temperature measured every 15 minutes and averaged over the same time period as the performance test	Y	
60.758 (b)(2)(ii)	Percent NMOC reduction achieved by the control device	Y	
60.758(c)	Records of parameters monitored pursuant to 60.756 and periods of operation when boundaries are exceeded (retain for 5 years).	Y	
60.758(c)(1)	Exceedances subject to record keeping are	Y	
60.758 (c)(1)(i)	All 3-hour periods when average combustion temperature was more than 28 C below the average combustion temperature during the most recent complying performance test	Y	
60.758(c)(2)	Records of continuous flow to control device or monthly inspection records if seal and lock for bypass valves	Y	
60.758(d)	Plot map showing location of all existing and planned collectors with a unique label for each collector (retain for life of collection system)	Y	
60.758(d)(1)	Installation date and location of all newly installed collectors	Y	
60.758(d)(2)	Records of nature, deposition date, amount, and location of asbestos or non-degradable waste excluded from control	Y	
60.758(e)	Records of any exceedance of 60.753, location of exceedance and remonitoring 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	

## IV. Source-Specific Applicable Requirements

## Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.759(a)(1)	Collection System in refuse shall be certified by PE to achieve	Y	
	comprehensive control of surface gas emissions		
60.759(a)(2)	Collection Systems (active or passive) outside of refuse shall	Y	
	address migration control		
60.759(a)(3)	All gas producing areas shall be controlled except as described	Y	
	below (i-iii).		
60.759	Any segregated area of asbestos or non-degradable material	Y	
(a)(3)(i)	only may be excluded, if documented adequately per		
	60.758(d).		
60.759	Any non-productive areas may be excluded from control,	Y	
(a)(3)(ii)	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.		
60.759	For calculating NMOC emissions, values for k and	Y	
(a)(3)(iii)	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.		
60.759(b)	Gas Collection System Components	Y	
60.759(b)(1)	Must be constructed of PVC, HDPE, fiberglass, stainless steel, or	Y	
	other approved material and of suitable dimensions to convey		
	projected gas amounts and withstand settling, traffic, etc.		
60.759(b)(2)	Collectors shall not endanger liner, shall manage condensate and	Y	
	leachate, and shall prevent air intrusion and surface leaks.		
60.759(b)(3)	Header connection assemblies shall include positive closing	Y	
	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.		
60.759(c)	Gas Mover Equipment shall be sized to handle maximum expected gas	Y	
	generation rate over the intended period of use.		
60.759(c)(1)	For existing systems, flow data shall be used to project maximum	Y	
` / ` /	flow rate.		

## IV. Source-Specific Applicable Requirements

# Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
60.759(c)(2)	For new systems, shall be calculated per 60.755(a)(1)	Y	
40 CFR Part	National Emission Standards for Hazardous Air Pollutants: General		
63, Subpart	<b>Provisions</b> (5/16/07)		
A			
63.4	Prohibited activities and circumvention	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10(b)(2)	Records for startup, shutdown, malfunction, and maintenance	Y	
(i-v)	G. G. G. L. L. L. L. G. G. D. D. L. G. D.	***	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part	National Emission Standards for Hazardous Air Pollutants: Municipal		
63, Subpart	Solid Waste Landfills (4/20/06)		
AAAA	Wilson Ja Thomas As a smaller midd this multi-mate	V	
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing	Y	
<2.1055()	40 CFR Part 60, Subpart Cc	***	
63.1955(c)	Comply with all approved alternatives to standards for collection and	Y	
	control systems plus all SSM requirements and 6 month compliance reporting requirements		
63.1960	How is compliance determined?	Y	
63.1965	What is a deviation?	Y	
63.1975	How do I calculate the 3-hour block average used to demonstrate	Y	
03.1773	compliance?	1	
63.1980	What records and reports must I keep and submit?	Y	
63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part	Y	
	60, Subpart WWW or the State Plan implementing 40 CFR Part 60,		
	Subpart Cc, except that the annual report required by 40 CFR 60.757(f)		
	must be submitted every 6 months		

## IV. Source-Specific Applicable Requirements

## Table IV – A Source-Specific Applicable Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part	Y	
	60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and		
	Reports		
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 (Regulation 1-301)	N	
Part 4	Road Surfacing Requirements for Parking and Maintenance Areas	Y	
	(Regulation 6-301)		
Part 5	Road Surfacing Requirements for On-Site Roadways	Y	
	(Cumulative Increase)		
Part 6	Vehicle Speed Limit on Unpaved Roads (Cumulative Increase)	Y	
Part 7	Dust Suppressant and Water Application Requirements for Unpaved	Y	
	Roads (Cumulative Increase)		
Part 8	Dust Control Requirements for Paved Roads (Cumulative Increase)	Y	
Part 9	Vehicle Traffic Volume Limits (Cumulative Increase)	Y	
Part 10	Vehicle Trip Length Limits (Cumulative Increase)	Y	
Part 11	Revegetation Requirement (CEQA)	N	
Part 12	Records (Cumulative Increase)	Y	
Part 13	Placement Limits for Soil that Contains VOCs	Y	
	(Regulation 8-40-301, Cumulative Increase and Regulation 8-2-301)		
Part 14	Handling Procedures for Soil Containing Volatile Organic Compounds	Y	
	(Regulations 8-40-301, 8-40-304 and 8-40-305)		
Part 15	Records for Uncontrolled Areas or Cells (Regulation 8-34-304)	Y	
Part 16	[deleted and combined with Part 17]		
Part 17	Collection System Requirements (Regulations 2-1-301, 8-34-301.1,	Y	
	8-34-305, and 40 CFR 60.752(b)(2)(ii), 60.7555(a), and 60.759)		
Part 18	Collection System Operating Requirements including Alternative	Y	
	Wellhead Limits and Associated Monitoring Requirements		
	(Regulations 8-34-301.1, 8-34-303, 8-34-304, 8-34-305, and 8-34-404, and		
	40 CFR 60.755(a) and 60.759)		

## IV. Source-Specific Applicable Requirements

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
Part 19	Requirement to Control Collected Landfill Gas	Y	
	(Regulations 8-34-301 and 8-34-303)		
Part 20	Landfill Gas Flow Rate Limit (Offsets and Cumulative Increase)	Y	
Part 21	Total Reduced Sulfur Compound Limit and Monitoring Requirement	Y	
	(Cumulative Increase and Regulation 2-6-503)		
Part 22	Permit application requirement and Limits on TAC Concentrations in	N	
	Landfill Gas (Toxic Risk Management Policy)		
Part 23	Combustion Temperature Limits (Regulation 8-34-301, 40 CFR	Y	
	60.752(b)(2)(iii)(B) and 60.758(c)(1)(i), and Toxic Risk Management		
	Policy)		
Part 24	Combustion Temperature Monitoring and Recording Requirements	Y	
	(Regulations 8-34-501.3 and 8-34-507 and 40 CFR 60.756(b)(1))		
Part 25	Combustion Air Controller Requirement (Regulation 8-34-301.3 and	Y	
	RACT for CO)		
Part 26	Gas Flow Monitoring and Recording Requirements	Y	
	(Regulations 8-34-501.10 and 8-34-508, and 40 CFR 60.756(b)(2)(i))		
Part 27	Alarms and Automatic Systems Requirements (Regulation 8-34-301)	Y	
Part 28	Nitrogen Oxide Emission Limits (RACT and Offsets)	Y	
Part 29	Carbon Monoxide Emission Limit (RACT, Cumulative Increase, and	Y	
	avoidance of Regulation 2-2-305.2)		
Part 30	Annual Source Test Requirement (Regulations 2-6-503, 8-34-301.3, 8-34-	Y	
	412, and 40 CFR 60.752(b)(2)(iii)(B))		
Part 31	Annual Gas Characterization Test (Toxic Risk Management Policy,	Y	
	Cumulative Increase, Regulations 8-34-412 and 9-1-302)		
Part 32	Records Retention (Regulations 8-34-501 and 2-6-501)	Y	
Part 33	Reporting periods and report submittal due dates for the Regulation 8,	Y	
	Rule 34 report (Regulation 8-34-411 and 40 CFR 63.1980(a))		

## IV. Source-Specific Applicable Requirements

Table IV – B
Source-Specific Applicable Requirements
S-5 Non-Retail Gasoline Dispensing Facility – G # 8524

		Federally	Future
Applicable	Regulation Title or	Enforceable	Effective
Requirement	Description of Requirement	(Y/N)	Date
BAAQMD	Organic Compounds, Storage of Organic Liquids (10/18/06)		
Regulation 8,			
Rule 5			
8-5-116	Exemption, Gasoline Storage Tanks at Gasoline Dispensing Facilities	N	
SIP	Organic Compounds, Storage of Organic Liquids (6/5/03)		
Regulation 8,			
Rule 5			
8-5-301	Storage Tank Control Requirements	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-501	Records	Y	
8-5-501.1	Types and amounts of materials stored	Y	
BAAQMD	Organic Compounds, Gasoline Dispensing Facilities (11/6/02)		
Regulation 8,			
Rule 7			
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and	Y	
	Mobile Refuelers		
8-7-301.2	CARB Certification Requirements	Y	
8-7-301.3	Submerged Fill Pipe Requirement	Y	
8-7-301.5	Maintenance and Operating Requirement	Y	
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-301.7	Fitting Requirements for Vapor Return Line	Y	
8-7-301.12	Spill Box Drain Valve Limitation	Y	
8-7-301.13	Annual Vapor Tightness Test Requirement	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	

## IV. Source-Specific Applicable Requirements

## Table IV – B Source-Specific Applicable Requirements S-5 Non-Retail Gasoline Dispensing Facility – G # 8524

Applicable Requirement	Regulation Title or  Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.6	Requirements for Bellows Nozzles	Y	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose Requirement	Y	
8-7-302.10	Construction Materials Specifications	Y	
8-7-302.12	Liquid Retain Limitation	Y	
8-7-302.13	Nozzle Spitting Limitation	Y	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-501	Burden of Proof	Y	
8-7-407	Periodic Testing Requirements	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	Y	
BAAQMD	Gasoline Throughput Limit (Toxic Risk Management Policy)	N	
Condition # 7523	31 ( """ """ """ """ """ """ """ """ """		

## IV. Source-Specific Applicable Requirements

## Table IV – B Source-Specific Applicable Requirements S-5 Non-Retail Gasoline Dispensing Facility – G # 8524

Applicable Requirement	Regulation Title or  Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition # 16516	Static Pressure Testing Requirement (Regulation 8-7-407)	Y	
State of California, Air Resources Board, Executive Order G-70-116-F	Certification of ConVault, Inc. Aboveground Filling/Dispensing Vapor Recovery System (11/30/95)		
Paragraph 9	Tank Design Configuration Limitations	N	
Paragraph 10	Emergency Vent and Manway Requirement	N	
Paragraph 11	Requirement to Use ARB Certified Phase I and Phase II Systems	N	
Paragraph 12	Requirements for Phase I Components and Piping Configurations	N	
Paragraph 13	Requirements for the Routing of the Coaxial Hose and for Liquid Traps	N	
Paragraph 14	P/V Valve Requirements	N	
Paragraph 15	Tank Insulation Requirements	N	
Paragraph 16	Tank Exterior Surface Requirements	N	
Paragraph 17	Requirement to Comply with Local Air District Rules	N	
Paragraph 18	Requirements for Deliveries from a Cargo Truck	N	
Paragraph 19	Leak Checking Requirements	N	
Paragraph 20	Requirement to Comply with Local Fire Official's Requirements	N	
Paragraph 21	Requirement to Comply with Other Specified Rules and Regulations	N	
Paragraph 22	Prohibition on Alteration of Equipment, Parts, Design, or Operation	N	
Paragraph 23	This Order Supersedes EO G-70-116-E (4/1/95)	N	

## IV. Source-Specific Applicable Requirements

## Table IV – C Source-Specific Applicable Requirements S-12 STOCKPILES OF GREEN WASTE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD			
Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD			
Condition			
#16315			
Part 1	Limit on Yard and Green Waste Received (Cumulative Increase)	Y	
Part 2	Watering Requirements (Regulations 6-301, 6-305, and 2-6-503)	Y	
Part 3	Maximum Storage Time for Incoming Waste Prior to Processing (Regulation 1-301)	N	
Part 4	Maximum Storage Time for Chipped Waste After Processing (Regulation 1-301)	N	
Part 5	Maximum Storage Time for "Odorous" Stockpile (Regulation 1-301)	N	
Part 6	Public Nuisance Control Measures (Regulation 1-301)	N	
Part 7	Record Keeping Requirements (Cumulative Increase and Regulations 1-301, 2-6-501, 6-301, and 6-305)	Y	

### V. SCHEDULE OF COMPLIANCE

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

#### VI. PERMIT CONDITIONS

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

#### **Condition # 7523**

For: S-5 Non-retail Gasoline Dispensing Facility - G # 8524:

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-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

- \*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 control odors and litter. (Basis: Regulation 1-301)
- 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: Regulation 6-301)

#### VI. Permit Conditions

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

- 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:

Transfer Trucks - 178 round trips per day a. Packer Trucks - 52 round trips per day b. - 36 round trips per day Water Trucks c. - 200 round trips per day Soil Trucks d. Misc. Heavy Equipment 60 round trips per day e. Light Duty Vehicles - 250 round trips per day

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)

#### VI. Permit Conditions

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

- 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
    b. Fuel Trucks
     36 round trips per day
     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. 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 Part 14 below; or (Basis: Regulation 8-40-301)
  - b. The Permit Holder can demonstrate that the soil is VOC-laden soil (soil containing VOCs that is not "contaminated"), or other materials for which the Permit Holder has appropriate documentation demonstrating that either the organic content of the soil or the organic concentration above the soil is below the contaminated level as defined in Regulation 8-40-205 (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 VOC-laden 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 or to contaminated soil. (Basis: Cumulative Increase and Regulation 8-2-301)

#### VI. Permit Conditions

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

- 14. 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 13 above.
    - ii. The Permit Holder has no documentation to prove that soil is not contaminated, but source of the soil is known and there is no reason to suspect that the soil might contain organic compounds.
  - b. The Permit Holder shall provide notification to the Compliance and Enforcement Division of the Permit Holder's intention to accept contaminated soil at the facility at least 24 hours in advance of receiving the contaminated soil. The Permit Holder shall provide an estimate of the amount of contaminated soil to be received, the degree of contamination (range and average VOC Content), and the type or source of contamination.
  - c. Any soil received at the facility that is known or suspected to contain volatile organic compounds (VOCs) shall be handled as if the soil were contaminated, unless the Permit Holder receives test results proving that the soil is not contaminated. To prove that the soil is not contaminated, the Permit Holder shall collect soil samples in accordance with Regulation 8-40-601 within 24 hours of receipt of the soil by the facility. The organic content of the collected soil samples shall be determined in accordance with Regulation 8-40-602.
    - i. If these test results indicate that the soil is still contaminated or if the soil was not sampled within 24 hours of receipt by the facility, the Permit Holder must continue to handle the soil in accordance with the procedures subparts d-l below, until the soil has 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.

#### **Condition # 10164**

- ii. If these test results indicate that the soil as received at the facility has an organic content of 50 ppmw or less, then the soil may be considered to be not contaminated and need not be handled in accordance with the procedures listed in subparts d-l below, but shall be handled in accordance with Part 13 above.
- d. Any contaminated soil received at the facility shall be clearly identified as contaminated soil, shall be handled in accordance with subparts e-l below, and shall be segregated from non-contaminated soil. Contaminated soil lots may not be co-mingled, blended, or otherwise mixed with non-contaminated soil lots prior to treatment, reuse, or disposal. Mixing soil lots in an attempt to reduce the overall concentration of the contaminated soil or to circumvent any requirements or limits is strictly prohibited.
- e. On-site handling of contaminated soil shall be limited to no more than 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 final disposal site 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.

#### **Condition # 10164**

- 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 ft<sup>2</sup>. The types of storage piles that may become subject to these provisions include (but are not limited to) truck unloading areas, staging areas, temporary stockpiles, soil on conveyors, bulldozers or trucks, the active face of a landfill, or other permanent storage pile at the final disposal location.
- i. All inactive storage piles shall meet the requirements of Regulation 8-40-305 including the requirement to cover contaminated soil during periods of inactivity longer than one hour. The types of storage piles that may become subject to these provisions include (but are not limited to) soil on trucks or other on-site equipment, staging areas, temporary stockpiles, and the permanent storage pile at the final disposal location. District approved coverings for inactive storage piles include continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) or encapsulating vapor suppressants (with re-treatment as necessary to prevent emissions).
- j. The Permit Holder must:
  - i. Keep contaminated soil covered with continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) whenever soil is to be stored in temporary stockpiles or during on-site transport in trucks. Soil in trucks shall not be left uncovered for more than 1 hour.
  - ii. Establish a tipping area for contaminated soils near the active face that is isolated from the tipping area for other wastes.
  - iii. Spray contaminated soil with water or vapor suppressant immediately after dumping the soil from a truck at the tipping area.
  - iv. Ensure that all contaminated soil is transferred from the tipping area to the active face immediately after spraying with water or vapor suppressant.
  - 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.

#### **Condition # 10164**

- vii. Limit the area of exposed soil on the active face to no more than 6000 ft<sup>2</sup>.
- viii. Ensure that contaminated soil spread on the active face is completely covered on all sides with one of the following approved coverings: at least 6 inches of clean compacted soil, at least 12 inches of compacted garbage, or at least 12 inches of compacted green waste.
- ix. Ensure that covering of soil on the active face is completed within one hour of the time that the soil was first dumped from a truck at the tipping area.
- k. Contaminated soil shall not be used as daily, intermediate, or final cover material for landfill waste operations unless the requirements of Regulation 8, Rule 40, Sections 116 or 117 have been satisfied.
- 1. 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).

#### VI. Permit Conditions

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

- 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: Regulations 8-40-301, 8-40-304 and 8-40-305)

- 15. 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.
  - 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. 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: Regulation 8-34-304)

16. [deleted and combined with Part 17]

#### VI. Permit Conditions

#### **Condition # 10164**

- 17. The Permit Holder of S-1 shall have a properly operated and properly maintained landfill gas collection system in both the Lower and Upper Canyon Fill Areas. (Basis: Regulations 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)
  - a. The authorized number of landfill gas collection system components is the baseline count listed below plus any components installed and minus any components decommissioned pursuant to subpart 17b, as evidenced by start-up and decommissioning notification letters submitted to the District.
    - 145 vertical wells
    - 16 monitoring points for horizontal collectors
  - b. The Permit Holder has been issued an Authority to Construct for the landfill gas collection system alterations listed below pursuant to Permit Application # 15190. All collection system alterations shall comply with subparts 17b(i-vii) below. Wells installed pursuant to Part 17b shall be added to Part 17a in accordance with the procedures identified in Regulations 2-6-414 or 2-6-415.
    - i. The authorized collection system alterations are:
      - Install up to 62 vertical gas collection wells.
      - Permanently decommission up to 15 vertical wells
      - Install up to 5 horizontal collectors
      - Permanently decommission up to 5 horizontal collectors
    - ii. The Permit Holder shall apply for and receive an Authority to Construct from the District before implementing any changes to the landfill gas collection system that is described in subpart 17a. Installing, decommissioning, and relocating vertical wells and horizontal collectors are alterations that are subject to this Authority to Construct requirement, unless this change constitutes a replacement as define in subpart 17b(iii) below.

#### VI. Permit Conditions

#### **Condition # 10164**

- Replacement of landfill gas collection system components with iii. identical or functionally equivalent components will not be deemed an alteration and will not subject to the Authority to Construct requirement under the following circumstances. If a well or collector will be shut down and replaced by a new well or collector in essentially the same location as the old component and this decommission/installation will be accomplished in accordance with Regulations 8-34-117 and 8-34-118, then this activity shall be considered a component replacement that is not subject to the Authority to Construct requirement. For each individual well or collector replacement, this subpart authorizes a maximum vacuum disconnection time of five consecutive days for compliance with Regulation 8-34-117.5. The disconnected component and the new component shall not be counted toward the subpart 17b(i) limits; the numbers of replacement wells and replacement collectors are not limited. Alterations, repairs, or replacements of non-perforated piping sections (such as risers, laterals, or header pipes), piping connectors, or valves are not subject to the Authority to Construct requirement.
- iv. At least three days prior to initiating operation of a well or collector installed pursuant to subpart 17b, the Permit Holder shall submit a start-up notice to the District that contains the component ID number for each new well or collector and the anticipated initial start-up date for each new component.
- v. For each well or collector that is permanently decommissioned after June 19, 2007, the Permit Holder shall submit a decommissioning notice to the District within no later than three working days after the component was disconnected from vacuum system. This decommissioning notice shall contain the component ID for each well or collector that was decommissioned, the date and time that each component was disconnected from the vacuum system, and the reason the component was decommissioned.

#### VI. Permit Conditions

#### **Condition # 10164**

- vi. Within six months of installing a new component or permanently decommissioning an existing component, the Permit Holder shall prepare an updated map of the landfill gas collection system that identifies the ID numbers and locations of all operable wells and collectors. On this map or in accompanying documentation, the Permit Holder shall summarize all component changes that were made since the last map was prepared. The previous collection system map, the updated collection system map, and the component change summary shall be provided to District staff upon request.
- vii. If the Permit Holder has a net reduction (number of decommissioned components minus the number of installed components) of more than five components within a 120-day period, the Permit Holder shall submit a more comprehensive decommissioning notice to the District. In addition to the information required by subpart 17b(v), this comprehensive decommissioning notice shall include the maps and documentation required by subpart 17b(vi), shall identify all component changes that have occurred but that are not included on the most recently updated map, shall identify any components that are temporarily disconnected from vacuum pursuant to subpart 18c, shall provide estimated vacuum reconnection dates for these components, shall include a list of all well installations that are expected to occur within the next 120 days, and shall discuss the reasons why this reduction in gas collection components is not expected to result in surface emission leaks. Upon request, the Permit Holder shall provide wellhead monitoring data, surface leak monitoring data, records of repair attempts made to date, and other information to support the need for a net collection component reduction of more than five wells. The District may require additional surface monitoring to verify that this net component reduction is not causing landfill surface leaks. The District will notify the Permit Holder in writing of any additional surface monitoring that is required pursuant to this subpart.

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#### **Condition # 10164**

- 18. Operating Requirements for Landfill Gas Collection Systems and Collection System Components:
  - a. The landfill gas collection systems described in Part 17a shall be operated continuously, unless the Permit Holder complies with all applicable provisions of Regulation 8, Rule 34, Section 113. Individual 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, and 117 or with Part 18c below. (Basis: Regulations 8-34-301.1 and 8-34-404)
  - b. Each landfill gas collection system component listed in Part 17a shall be operated in compliance with the wellhead limits of Regulation 8-34-305, unless an alternative wellhead limit has been approved for that component, as identified in subpart b(i), and the Permit Holder complies with all of the additional requirements for that component, as identified in subparts b(ii-vii). (Basis: Regulations 8-34-303, 8-34-304, 8-34-305, 40 CFR 60.755(a) and 60.759)
    - i. The nitrogen and oxygen concentration limits in Regulation 8-34-305.3 and 8-34-305.4 shall not apply to the landfill gas collection wells listed below, provided that the oxygen concentration in each of the following wells does not exceed 15% by volume.

EW-1A	EW-W04	EW-W07	EW-W09
EW-W10	EW-W13	EW-W17	EW-W21
EW-W34	EW-W38	EWE-W40	EW-W41
EW-PEW01	EW-PEW02	EW-PEW03	EW-PEW04
EW-PEW06	EW-PEW15	EW-W-1L	EW-W-1-V
EW-W-1-W	EW-W-1-X	EW-W-2-A	and HC-F06

- ii. The Permit Holder shall demonstrate compliance with the alternative wellhead oxygen limit in subpart b(i) by monitoring each wellhead for oxygen on a monthly basis, in accordance with the provisions of Regulations 8-34-505 and 8-34-604.
- iii. All test dates, wellhead oxygen concentration data, any deviations from the subpart b(i) limit, repair actions, repair dates, remonitoring dates and results, and compliance restoration dates shall be recorded in a District approved log and made available to District staff upon request in accordance with Regulations 8-34-34-501.4, 8-34-501.9, and 8-34-414.

#### VI. Permit Conditions

#### **Condition # 10164**

- iv. To demonstrate that the alternative wellhead oxygen limit in subpart b(i) will not cause surface emission leaks, the Permit Holder shall conduct additional surface emission monitoring in the vicinity of each component listed in subpart b(i). For each component in subpart b(i), the Permit Holder shall maintain a map showing the location of the buried collection component and identifying the approximate radius of influence for the component. For each component in subpart b(i), the Permit Holder shall monitor for landfill surface emissions - in accordance with Regulations 8-34-506 and 8-34-607 – at three representative points on the landfill surface that are within the radius of influence of the component and that are not more than 15 meters from the surface location of the component. This additional surface emission monitoring shall be conducted on a monthly basis for a period of at least six consecutive months.
- v. If no excesses of the Regulation 8-34-303 surface emission limit are detected in the vicinity of a component for six consecutive months, the Permit Holder may discontinue the additional monthly surface emission monitoring in the vicinity of that component and shall continue with the routine quarterly surface emission monitoring requirements in the vicinity of that component.
- vi. If one or more excesses of the Regulation 8-34-303 surface emission limit are detected in the vicinity of a component during a six consecutive month period, the Permit Holder shall follow all applicable requirements for recording and reporting the excess and shall follow the Regulation 8-34-415 repair schedule for landfill surface leak excesses. The additional monthly surface emission monitoring in the vicinity of that component shall continue until either the no surface excess requirements of subpart b(v) have been achieved or the repair and compliance restoration requirements of subpart b(vii) have been satisfied.

#### **Condition # 10164**

- If excesses of the Regulation 8-34-303 surface emission limit are vii. detected in the vicinity of a component for three or more monitoring events during a six consecutive month period, the subpart b(i) alternative wellhead oxygen limit shall be revoked for that component. The Permit Holder shall conduct all necessary repairs to the landfill gas collection well, to any piping associated with the well or the remote wellhead monitoring system, to valves, flanges, or other connectors, and to any test ports or other openings that are necessary to eliminate air intrusion into the well or the monitoring point, to prevent impairment of vacuum application or vacuum adjustment at the collection well, and to restore the collection well and associated monitoring point to proper function. The Permit Holder shall complete all of the above repairs and any necessary landfill surface repairs and shall restore compliance with the Regulation 8-34-303 surface emission limit (in the vicinity of that component) and the Regulation 8-34-305.4 wellhead oxygen concentration limit by the earlier of the following dates: (a) within 120 days of the date that the first excess was discovered if the three excess events are discovered within a single quarterly period pursuant to the re-monitoring requirements of 8-34-415 or (b) within 60 days of detection of the third excess.
- c. The Permit Holder may temporarily disconnect individual wells or collectors from the vacuum system, provided that all requirements of this subpart are satisfied. (Basis: Regulation 8-34-404)
  - i. No more than five (5) landfill gas collection system components (wells or collectors) may be temporarily disconnected from the vacuum system at any one time pursuant to subpart 18c.
  - ii. For each individual well or collector that is disconnected from the vacuum system pursuant to subpart 18c, the total vacuum system disconnection time shall not exceed 120 days during any 12-month period.
  - iii. Collection system components that are disconnected from the vacuum system are not subject to wellhead limits (Regulation 8-34-305 or subpart 18b above) or to monthly wellhead monitoring requirements (Regulation 8-34-505) during this vacuum disconnection time.

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#### **Condition # 10164**

- iv. Wells or collectors that are temporarily disconnected from the vacuum system continue to be subject to the component leak limit (Regulation 8-34-301.2) and the quarterly leak testing requirement (Regulation 8-34-503) at all times. In addition, the Permit Holder shall conduct the following component leak monitoring at each component that has been disconnected from the vacuum system pursuant to subpart 18c: test for component leaks using the procedures identified in Regulation 8-34-602 within 10 calendar days of disconnection from vacuum and again within 1 month of disconnection from vacuum. If a component leak is detected at the well, the Permit Holder shall take all steps necessary to reduce the leak below the applicable limit, including reconnecting the well to the vacuum system, if no other corrective action measures are successful within the time frames allowed by Rule 34.
- v. For each well disconnection event, the Permit Holder shall record each affected well ID number, all well disconnection dates and times, all well reconnection dates and times, all related monitoring dates and monitoring results in a District approved log. This log shall also include an explanation of why the temporary well shut down was necessary and shall describe all adjustments or repairs that were made in order to allow this well to operate continuously, to reduce leaks, or to achieve compliance with an applicable limit. All records shall be retained for a minimum of five years and shall be made available to District staff upon request.

#### **VI. Permit Conditions**

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

- 19. All collected landfill gas shall be abated by Landfill Gas Flares (A-7, A-8, or A-9). A minimum of one landfill gas flare shall be used to control landfill gas collected from the upper canyon area. A minimum of one landfill gas flare shall be used to control landfill gas collected from the lower canyon area, provided that the total landfill gas collection rate (averaged over the previous three months and excluding shut-down time) is not more than 2012 scfm, expressed as landfill gas with 50% methane (dry basis) at 70 degrees F and 1 atmosphere. If this total average landfill gas collection rate is more than 2012 scfm, a minimum of two flares shall be used to control landfill gas collected from the lower canyon area. Raw landfill gas shall not be vented to the atmosphere, except for unavoidable landfill gas emissions that occur during collection system installation, maintenance, or repair performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118 and for inadvertent component or surface leaks that do not exceed the limits specified in 8-34-301.2 or 8-34-303. (Basis: Regulations 8-34-301 and 8-34-303)
- 20. The combined landfill gas flow rate to all the Flares (A-7, A-8, and A-9) shall not exceed 3807.6 million standard cubic feet during any consecutive 12-month period. For comparison to this limit, the landfill gas flow rate shall be corrected to 50% methane (dry basis), 70 degrees F, and 1 atmosphere. In order to demonstrate compliance with this part, the Permit Holder shall:
  - a. determine and record, on a monthly basis, the methane content (dry basis) of the landfill gas in each landfill gas collection system header (upper canyon header and lower canyon header),
  - b. calculate and record, on a monthly basis, the total landfill gas flow rate (expressed as 50% methane, dry basis, at 70 degrees F and 1 atmosphere) for each landfill gas collection system,
  - c. calculate and record, on a monthly basis, the total landfill gas flow rate to all flares (expressed as 50% methane, dry basis, at 70 degrees F and 1 atmosphere), and
  - d. maintain records of all calculation procedures and measured values that were used to determine the total corrected landfill gas flow rate to the flares.

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

#### **VI. Permit Conditions**

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

- 21. The concentration of total reduced sulfur compounds in the collected landfill gas shall not exceed 150 ppmv as H<sub>2</sub>S. Total reduced sulfur compounds in the collected landfill gas shall be monitored as a surrogate for monitoring sulfur dioxide in control systems exhaust. Total reduced sulfur compounds in the landfill gas shall be determined on an annual basis pursuant to Part 31. (Basis: Cumulative Increase and Regulation 2-6-503)
- \*22. The Permit Holder shall submit a permit application for a Change of Permit Conditions, if any site-specific landfill gas characterization test indicates that the landfill gas at this site contains any of the following compounds at a level greater than the concentration listed below. The Permit Application shall be submitted to the District, within 45 days of receipt of test results indicating a concentration above the levels listed below. (Basis: Toxic Risk Management Policy)

Compound	Concentration (ppbv)
Acrylonitrile	500
Benzene	10,000
Carbon Tetrachloride	100
Chloroform	100
1,4 Dichlorobenzene	500
Ethylene Dibromide	100
Ethylene Dichloride	500
Ethylidene Dichloride	10,000
Methylene Chloride	30,000
Perchloroethylene	10,000
1,1,2,2 Tetrachloroethane	500
Trichloroethylene	5,000
Vinyl Chloride	5,000

23. Each Flare (A-7, A-8, and A-9) shall operate at the minimum combustion zone temperature indicated in subparts a-c below. If a source test demonstrates compliance with all applicable requirements at a different temperature, the APCO may revise the minimum combustion zone temperature limit in accordance with the procedures identified in Regulations 2-6-414 or 2-6-415 and the following criteria. 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 1400 degrees F.

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

- a. The A-7 Landfill Gas Flare shall operate at a minimum combustion zone temperature of at least 1400 degrees F, averaged over any 3-hour period.
- b. The A-8 Landfill Gas Flare shall operate at a minimum combustion zone temperature of at least 1400 degrees F, averaged over any 3-hour period.
- c. The A-9 Landfill Gas Flare shall operate at a minimum combustion zone temperature of at least 1400 degrees F, averaged over any 3-hour period.

(Basis: Regulation 8-34-301.3, NSPS: 40 CFR 60.752(b)(2)(iii)(B), 60.758(c)(1)(i), and Toxic Risk Management Policy)

- 24. Each Flare (A-7, A-8, and A-9) 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: Regulations 8-34-501.3 and 8-34-507, and NSPS: 40 CFR 60.756(b)(1))
- 25. Each Flare (A-7, A-8, and A-9) shall be equipped with automatic combustion air controls. (Basis: Regulation 8-34-301.3 and RACT for CO)
- 26. Each Flare (A-7, A-8, and A-9) 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: Regulations 8-34-501.10 and 8-34-508, and NSPS: 40 CFR 60.756(b)(2)(i))
- 27. Each Flare (A-7, A-8, and A-9) shall be equipped with an automatic gas shutoff valve, local and remote alarms, and an automatic restart system. (Basis: Regulation 8-34-301)
- 28. Nitrogen Oxide (NO<sub>x</sub>) emissions from Flares A-7, A-8, or A-9 shall not exceed 0.052 pounds of NO<sub>x</sub> (calculated as NO<sub>2</sub>) per million BTU. The Permit Holder may demonstrate compliance with this emission rate limit by having a nitrogen oxide concentration in the flare exhaust of no more than 39 ppmv of NO<sub>x</sub>, corrected to 3% oxygen, dry basis. An exhaust concentration measurement of more than 39 ppmv of NO<sub>x</sub> shall not be deemed a violation of this part, if the Permit Holder can demonstrate that NO<sub>x</sub> emissions did not exceed 0.052 lbs/MM BTU during the test period. (Basis: RACT and Offsets)

#### **VI. Permit Conditions**

#### **Condition # 10164**

- 29. Carbon Monoxide (CO) emissions from Flares A-7, A-8, or A-9 shall not exceed 0.15 pounds of CO per million BTU. The Permit Holder may demonstrate compliance with this emission rate limit by having a carbon monoxide concentration in the flare exhaust of no more than 184 ppmv of CO, corrected to 3% oxygen, dry basis. An exhaust concentration measurement of more than 184 ppmv of CO shall not be deemed a violation of this part, if the Permit Holder can demonstrate that CO emissions did not exceed 0.15 lbs/MM BTU during the test period. (Basis: RACT, Cumulative Increase, and avoidance of Regulation 2-2-305.2)
- 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-7, A-8, and A-9). The source tests shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. Each annual source test shall determine the following:
  - a. landfill gas flow rate to the flare (dry basis);
  - b. concentrations (dry basis) of carbon dioxide (CO<sub>2</sub>), nitrogen (N<sub>2</sub>), oxygen (O<sub>2</sub>), methane (CH<sub>4</sub>), and total non-methane hydrocarbons (NMOC) in the landfill gas;
  - c. landfill gas flow rate (sdcfm) and heat input rate (MM BTU/hour) to the flare:
  - d. stack gas flow rate from the flare (dry basis);
  - e. concentrations (dry basis) of NO<sub>x</sub>, CO, CH<sub>4</sub>, NMOC, and O<sub>2</sub> in the flare stack gas;
  - f. emission rate per heat input (pounds/MM BTU) for NO<sub>x</sub> and CO
  - g. NMOC destruction efficiency achieved by the flare; and
  - h. average combustion zone temperature in the flare during the test period. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 45 days of the test date. (Basis: Regulations 2-6-503, 8-34-301.3, 8-34-412, and 40 CFR 60.752(b)(2)(iii)(B))

#### **VI. Permit Conditions**

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

31. The Permit Holder shall conduct a characterization of the landfill gas at the site on an annual basis. The landfill gas samples shall be drawn from the main landfill gas headers (one sample from the upper canyon header and one sample from the lower canyon header) concurrent with the annual source test required by Part 30 above. In addition to the compounds listed in Part 30b, the landfill gas shall be analyzed for the organic and sulfur compounds listed below. All concentrations shall be reported on a dry basis. The test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 45 days of the test date. (Basis: Toxic Risk Management Policy, Cumulative Increase, and Regulations 8-34-412 and 9-1-302)

Organic Compounds	Organic Compounds	Sulfur Compounds
acrylonitrile	ethylene dibromide	carbon disulfide
benzene	fluorotrichloromethane	carbonyl sulfide
carbon tetrachloride	hexane	dimethyl sulfide
chlorobenzene	isopropyl alcohol	ethyl mercaptan
chlorodifluoromethane	methyl ethyl ketone	hydrogen sulfide
chloroethane	methylene chloride	methyl mercaptan
chloroform	perchloroethylene	
1,1 dichloroethane	toluene	
1,1 dichlorethene	1,1,1 trichloroethane	
1,2 dichlorethane	1,1,2,2 tetrachloroethane	
1,4 dichlorbenzene	trichloroethylene	
dichlorodifluoromethane	vinyl chloride	
dichlorofluoromethane	xylenes	
ethylbenzene		

32. The Permit Holder shall retain all records related to compliance with parts 18-31 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: Regulations 8-34-501 and 2-6-501)

#### **VI. Permit Conditions**

#### **Condition # 10164**

For: S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare; and A-9 Landfill Gas Flare:

33. The annual report required by BAAQMD Regulation 8-34-411 shall be submitted in two semi-annual increments. The reporting period for the first increment of the Regulation 8-34-411 annual report that is submitted subsequent to the issuance of the MFR Permit for this site shall be from December 1, 2002 through September 30, 2003. This first increment report shall be submitted by October 31, 2003. The reporting periods and report submittal due dates for all subsequent increments of the Regulation 8-34-411 report shall be synchronized with the reporting periods and report submittal due dates for the semi-annual MFR Permit monitoring reports that are required by Section I.F. of the MFR Permit for this site. (Basis: Regulation 8-34-411 and 40 CFR Part 63.1980(a))

#### **VI. Permit Conditions**

#### **Condition # 16315**

For: S-12 Stockpile of Green Waste:

- 1. The total amount of yard and green waste received at S-12 shall not exceed 480 tons during any day and shall not exceed 70,000 tons during any consecutive 12-month period. (Basis: Cumulative Increase)
- 2. The wood unloading, stockpiling, and loading operations that constitute S-12 Stockpiles shall be watered down as necessary to prevent visible dust emissions. Dry, dusty material shall be watered down before unloading from truck beds as necessary to prevent visible emissions. To ensure compliance with this part, the Permit Holder shall visually observe all unloading, stockpiling, and loading operations and shall immediately initiate corrective actions if any visible dust emissions are detected. (Basis: Regulations 6-301, 6-305, and 2-6-503)
- \*3. All green wood waste loads (i.e., yard waste, tree trimmings, leaves, and brush) shall be processed within 72 hours of the time they are received to prevent wood decomposition and odors. (Basis: Regulation 1-301)
- \*4. Chipped wood waste shall be removed from the S-12 Stockpiles within 72 hours of placement. This chipped wood waste may be placed in the Landfill (S-1) as refuse or used as daily cover material for the Landfill, provided that the Permit Holder complies with all requirements and/or conditions specified by the California Integrated Waste Management Board. (Basis: Regulation 1-301)
- \*5. Any wood waste or chipped wood waste stockpiles deemed to be odorous by a District inspector shall be removed within 24 hours. (Basis: Regulation 1-301)
- \*6. If the Permit Holder receives two or more Violation Notices from the District for "Public Nuisance" in any consecutive 12 month period, the Permit Holder of this facility shall submit to the District, within 30 days, an application to modify the Permit to Operate to include the following control measures as applicable or any other measures that the District deems necessary and appropriate. (Basis: Regulation 1-301)
  - a. Reduction of the allowable stockpile time,
  - b. Application of odor inhibitor solutions on stockpiles, or
  - c. Discontinuation of green waste stockpiling during the ozone season or other appropriate time period.

#### **VI. Permit Conditions**

#### **Condition # 16315**

For: S-12 Stockpile of Green Waste:

- 7. In order to demonstrate compliance with Parts 1-4, the Permit Holder shall maintain the following records:
  - a. Record the date, time, and amount of yard and green waste received at a stockpile.
  - b. Summarize the amount of yard and green waste received on a monthly basis.
  - c. Record the date, time, and amount of yard and green waste removed from the stockpile.
  - d. Record the date and time that water was applied to the stockpiles or associated loading or unloading operations.

All records shall be kept on site for a minimum of 5 years from the date of entry and shall be made available to District staff upon request.

(Basis: Cumulative Increase and Regulations 1-301, 2-6-501, 6-301, and 6-305)

#### **Condition # 16516**

FOR: S-5 NON-RETAIL GASOLINE DISPENSING STATION - G # 8524:

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

## 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.

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

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 Los Trancos Canyon Landfill;
A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
Collection	BAAQMD	Y		For Inactive/Closed Areas:	BAAQMD	P/E	Records
System	8-34-304.1			collection system	8-34-501.7		
Installa-				components must be	and 501.8 and		
tion Dates				installed and operating by	BAAQMD		
				2 years + 60 days	Condition #		
				after initial waste	10164,		
				placement	Part 15		
Collection	BAAQMD	Y		For Active Areas:	BAAQMD	P/E	Records
System	8-34-304.2			Collection system	8-34-501.7		
Installa-				components must be	and 501.8 and		
tion Dates				installed and operating by	BAAQMD		
				5 years + 60 days	Condition #		
				after initial waste	10164,		
				placement	Part 15		

## VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Lillit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Collection	BAAQMD	Y	2400	For Any Uncontrolled	BAAQMD	P/E	Records
System	8-34-304.3			Areas or Cells: collection	8-34-501.7	-,-	
Installa-				system components must be	and 501.8 and		
tion Dates				installed and operating	BAAQMD		
				within 60 days after the	Condition #		
				uncontrolled area or cell	10164,		
				accumulates 1,000,000 tons	Part 15		
				of decomposable waste			
Collection	40 CFR	Y		For Inactive/Closed Areas:	40 CFR	P/E	Records
System	60.753			collection system	60.758(a),		
Installa-	(a)(2) and			components must be	(d)(1) and		
tion Dates	60.755			installed and operating by	(d)(2), and		
	(b)(2)			2 years + 60 days	60.759(a)(3)		
				after initial waste			
				placement			
Collection	40 CFR	Y		For Active Areas:	40 CFR	P/E	Records
System	60.753			Collection system	60.758(a),		
Installa-	(a)(1) and			components must be	(d)(1) and		
tion Dates	60.755			installed and operating by	(d)(2)		
	(b)(1)			5 years + 60 days			
				after initial waste			
				placement			
Gas Flow	BAAQMD	Y		Landfill gas collection	BAAQMD	C	Gas Flow
	8-34-301			system shall operate	Condition #		Meter and
	and 301.1			continuously and all	10164,		Recorder,
	and			collected gases shall be	Parts 26 and		Automatic
	BAAQMD			vented to a properly	27		Shut-Off
	Condition #			operating control system			Valves, and
	10164,						Alarms
	Parts 18 and						
	19						

## VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
Gas Flow	BAAQMD	Y		Landfill gas collection	BAAQMD	С	Gas Flow
	8-34-301			system shall operate	8-34-501.10		Meter and
	and 301.1			continuously and all	and 508		Recorder
				collected gases shall be			(every 15
				vented to a properly			minutes)
				operating control system			
Gas Flow	40 CFR	Y		Operate a Collection	40 CFR	С	Gas Flow
	60.752			System in each area or cell,	60.756(b)(2)		Meter and
	(b)(2)(iii)			vent all collected gases to a	(i) and		Recorder
	and			properly operating control	60.758(c)(2)		(every 15
	60.753(a)			system, and operate control			minutes)
	and (e)			system at all times when			
				gas is vented to it			
Collection	BAAQMD	Y		For Collection and Control	BAAQMD	P/D	Operating
and	8-34-113.2			Systems:	8-34-501.1		Records
Control				≤ 240 hours per year			
Systems				and			
Shutdown				$\leq$ 5 consecutive days			
Time							
Collection	40 CFR	Y		For Collection System:	40 CFR	P/D	Operating
System	60.755(e)			≤ 5 days per event	60.7(b),		Records (all
Startup					60.757(f)(2)a		occurrences
Shutdown					nd (f)(4)		and duration
or							of each)
Malfunc-							
tion							
Control	40 CFR	Y		For Control System:	40 CFR	P/D	Operating
System	60.755(e)			≤ 1 hour per event	60.7(b),		Records (all
Startup					60.757(f)(2)		occurrences
Shutdown					and (f)(3)		and duration
or Mal-							of each)
function							

## VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Type of Limit	Emission Limit	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Туре
Startup	40 CFR	Y		Minimize Emissions by	40 CFR	P/E	Records (all
Shutdown	63.6(e)			Implementing SSM Plan	63.1980(a-b)		occurrences,
or Mal-							duration of
function							each,
Pro-							corrective
cedures							actions)
Periods of	BAAQMD	Y		≤ 15 consecutive days	BAAQMD	P/D	Operating
Inopera-	1-523.2			per incident and	1-523.4		Records for
tion for				≤ 30 calendar days			All
Para-				per 12 month period			Parametric
metric							Monitors
Monitors							
Contin-	40 CFR	Y		Requires Continuous	40 CFR	P/D	Operating
uous	60.13(e)			Operation except for	60.7(b)		Records for
Monitors				breakdowns, repairs,			All
				calibration, and required			Continuous
				span adjustments			Monitors
Wellhead	BAAQMD	Y		< 0 psig	BAAQMD	P/M	Monthly
Pressure	8-34-305.1			(Applies to all wells	8-34-414,		Inspection
				that are connected	501.9 and		and Records
				to the vacuum system)	505.1		
Wellhead	40 CFR	Y		< 0 psig	40 CFR	P/M	Monthly
Pressure	60.753(b)			(Applies to all wells	60.755(a)(3),		Inspection
				that are connected	60.756(a)(1),		and Records
				to the vacuum system)	and 60.758(c)		
					and (e)		
Temper-	BAAQMD	Y		< 55 ° C	BAAQMD	P/M	Monthly
ature of	8-34-305.2			(Applies to all wells	8-34-414,		Inspection
Gas at				that are connected	501.9 and		and Records
Wellhead				to the vacuum system)	505.2		

## VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Type of	Emission	- DE	Future		Monitoring	Monitoring	3.5
Limit	Limit Citation	FE Y/N	Effective Date	Emission Limit	Requirement Citation	Frequency	Monitoring
T		Y	Date	< 55 ° C		(P/C/N)	Type
Temper-	40 CFR	Y			40 CFR	P/M	Monthly
ature of	60.753(c)			(Applies to all wells	60.755(a)(5),		Inspection
Gas at				that are connected	60.756(a)(3),		and Records
Wellhead				to the vacuum system)	and 60.758(c)		
_					and (e)		
Gas	BAAQMD	Y		$N_2 < 20\%$ <b>OR</b> $O_2 < 5\%$	BAAQMD	P/M	Monthly
Concen-	8-34-305.3			(Applies to all wells that are	8-34-414,		Inspection
trations at	or 305.4			connected to the vacuum	501.9 and		and Records
Wellhead				system, except for wells	505.3 or		
				identified in Condition #	505.4		
				10164, Part 18b(i))			
Gas	40 CFR	Y		$N_2 < 20\%$ <b>OR</b> $O_2 < 5\%$	40 CFR	P/M	Monthly
Concen-	60.753(c)			(Applies to all wells that are	60.755(a)(5),		Inspection
trations at				connected to the vacuum	60.756(a)(2),		and Records
Wellhead				system, except for wells	and 60.758(c)		
				identified in Condition #	and (e)		
				10164, Part 18b(i))			
Gas	BAAQMD	Y		$O_2 \le 15\%$	BAAQMD	P/M	Monthly
Concen-	Condition #			(Applies to wells identified	Condition #		Inspection
trations at	10164, Part			in Condition # 10164, Part	10164, Part		and Records
Wellhead	18b(i)			18b(i) that are connected to	18b(ii and iii)		
				the vacuum system)			
Well	BAAQMD	Y		No more than 5 wells at a	BAAQMD	P/D	Records
Shutdown	8-34-116.2			time or 10% of total	8-34-116.5		
Limits				collection system,	and 501.1		
				whichever is less			
Well	BAAQMD	Y		≤ 24 hours per well	BAAQMD	P/D	Records
Shutdown	8-34-116.3				8-34-116.5		
Limits					and 501.1		
Well	BAAQMD	Y		No more than 5 wells at a	BAAQMD	P/D	Records
Shutdown	8-34-117.4			time or 10% of total	8-34-117.6		
Limits				collection system,	and 501.1		
				whichever is less			

## VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Emission		Future		Monitoring	Monitoring	Monitonina
Limit	Limit	FE	Effective	Emission Limit	Requirement Citation	Frequency	Monitoring
	Citation	Y/N	Date	1.11		(P/C/N)	Type
Well	BAAQMD	Y		$\leq$ 24 hours per well or	BAAQMD	P/D	Records
Shutdown	8-34-117.5			$\leq$ 5 days per well for	8-34-117.6		
Limits				component replacements	and 501.1		
Well	BAAQMD	Y		For individual components	BAAQMD	P/E	Additional
Shutdown	Condition #			that are temporarily	Condition #		Component
Limits	10164,			disconnected from the	10164, Part		Leak Tests
	Parts 18c			vacuum system:	18c(iv and v)		and Records
	(i and ii)			$\leq$ 5 components			
				disconnected			
				at any one time			
				and			
				≤ 120 days of vacuum			
				disconnection time during			
				any 12-month period for			
				each individual component			
TOC	BAAQMD	Y		Component Leak Limit:	BAAQMD	P/Q	Quarterly
(Total	8-34-301.2			≤ 1000 ppmv as methane	8-34-501.6		Inspection of
Organic					and 503		collection
Com-							and control
pounds							system
Plus							components
Methane)							with OVA
							and Records

## VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Emission	- DE	Future		Monitoring	Monitoring	36
Limit	Limit Citation	FE Y/N	Effective Date	Emission Limit	Requirement	Frequency	Monitoring
TOC			Date		Citation	(P/C/N)	Type
TOC	BAAQMD	Y		Surface Leak Limit:	BAAQMD	P/M, Q, and	Monthly
	8-34-303			≤ 500 ppmv as methane	8-34-415,	Е	Visual
				at 2 inches above surface	416, 501.6,		Inspection of
					506 and 510		Cover,
							Quarterly
							Inspection
							with OVA
							of Surface,
							Various
							Reinspec-
							tion Times
							for Leaking
							Areas, and
							Records
TOC	40 CFR	Y		Surface Leak Limit:	40 CFR	P/M, Q and	Monthly
	60.753(d)			$\leq$ 500 ppmv as methane	60.755(c)(1),	E	Visual
				at 5-10 cm from surface	(4) and (5),		Inspection of
					60.756(f),		Cover,
					and		Quarterly
					60.758(c) and		Inspection
					(e)		with OVA
							of Surface,
							Various
							Reinspec-
							tion Times
							for Leaking
							Areas, and
							Records

## VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
TOC	BAAQMD	Y		Surface Leak Limit:	Condition #	P/M	Monthly
	8-34-303			≤ 500 ppmv	10164, Part		Inspection
	and			as methane	18b(iv-vi)		with OVA
	Condition #			at 2 inches			of Surface (3
	10164, Part			above surface			points within
	18c(iv)			(Applies to surface vicinity			15 m of
				near wells identified in			well),
				Condition # 10164, Part			Various
				18b(i) that are complying			Reinspection
				with an alternative wellhead			Times for
				oxygen standard instead of			Leaking
				the 8-34-305.4 limit)			Areas, and
							Records
Non-	BAAQMD	Y		≥ 98% removal by weight	BAAQMD	P/A	Initial and
Methane	8-34-301.3			OR	8-34-412 and		Annual
Organic				< 30 ppmv dry	BAAQMD		Source Tests
Com-				@ 3% O <sub>2</sub> ,	Condition #		
pounds				expressed as methane	10164,		
(NMOC)					Part 30		
NMOC	40 CFR	Y		≥98% removal by weight	40 CFR 60.8	P/A	Initial and
	60.752(b)			OR	and 60.752(b)		Annual
	(2)(iii)(B)			< 20 ppmv dry	(2)(iii)(B)		Source Tests
				@ 3% O <sub>2</sub> ,	and 60.758		
				expressed as hexane	(b)(2)(ii)		
					and		
					BAAQMD		
					Condition #		
					10164,		
					Part 30		

## VII. Applicable Limits and Compliance Monitoring Requirements

## Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Temper-	BAAQMD	Y		A-7: CT ≥ 1400 °F	BAAQMD	С	Temperature
ature of	Condition #			A-8: CT ≥ 1400 °F	8-34-501.3		Sensor and
Combus-	10164, Part			A-9: CT ≥ 1400 °F	and 507 and		Recorder
tion Zone	23			(all temperature limits are	BAAQMD		(continuous)
(CT)				averaged over any 3-hour	Condition #		
				period)	10164,		
					Part 24		
Temper-	40 CFR	Y		CT (3-hour average)	40 CFR	С	Temperature
ature of	60.758			$\geq$ (CT <sub>PF</sub> – 28 °C),	60.756(b)(1)		Sensor and
Combus-	(c)(1)(i)			where CT <sub>PF</sub> is the average	and 60.758		Recorder
tion Zone				combustion temperature	(b)(2)(i)		(measured
(CT)				during the most recent			every 15
				complying performance test			minutes and
							averaged
							over
							performance
							test time
							period or
							3 hours)
Total	BAAQMD	Y		≤ 15 pounds/day or	BAAQMD	P/E	Records
Carbon	8-2-301			≤ 300 ppm, dry basis	Condition #		
				only for aeration of or use	10164,		
				as cover soil of soil	Part 14m		
				containing ≤ 50 ppmw of			
				volatile organic compounds			
Amount	BAAQMD	Y		$\leq$ 118.75 tons per day and	BAAQMD	P/E	Records
of	Condition #			$\leq$ 31,800 tons per year	Condition #		
Contami-	10164,			of soil containing VOCs	10164,		
nated Soil	Part 13b				Part 14m		
Aerated							
or Used							
as Cover							

## VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Type
Amount	BAAQMD	Y		≤ 1 cubic yard per project	BAAQMD	P/E	Records
of	8-40-116.1				Condition #		
Contami-	and				10164,		
nated Soil	BAAQMD				Part 14m		
Aerated	Condition #						
or Used	10164,						
as Cover	Parts 13a						
	and 14						
Amount	BAAQMD	Y		≤ 8 cubic yards per project,	BAAQMD	P/E	Records
of	8-40-116.2			provided organic content	8-40-116.2		
Contami-	and			≤ 500 ppmw	and		
nated Soil	BAAQMD			and limited to 1 exempt	BAAQMD		
Aerated	Condition #			project per 3 month period	Condition #		
or Used	10164,				10164,		
as Cover	Parts 13a				Part 14m		
	and 14						
Amount	BAAQMD	Y		Prohibited for Soil with	BAAQMD	P/E	Records
of	8-40-301			Organic Content >50 ppmw	Condition #		
Contami-	and			unless exempt per	10164,		
nated Soil	BAAQMD			BAAQMD 8-40-116, 117,	Part 14m		
Aerated	Condition #			or 118			
or Used	10164,						
as Cover	Parts 13a						
	and 14						
Amount	BAAQMD	Y		Soil Contaminated by	None	N	NA
of Acci-	8-40-117			Accidental Spillage of $\leq 5$			
dental	and			Gallons of Liquid Organic			
Spillage	BAAQMD			Compounds			
	Condition #						
	10164,						
	Parts 13a						
	and 14						

## VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Type
Total	BAAQMD	Y		≤ 150 pounds per project	BAAQMD	P/E	Records
Aeration	8-40-118			and toxic air contaminant	Condition #		
Project	and			emissions per year	10164,		
Emissions	BAAQMD			< BAAQMD	Part 14m		
	Condition #			Table 2-5-1 limits			
	10164,						
	Parts 13a						
	and 14						
Opacity	BAAQMD	Y		For Landfill Operations:	BAAQMD	P/D	Records of
	6-301			≤ Ringelmann No. 1	Condition #		Water and
				for 3 minutes in any hour	10164,		Dust
					Part 12		Suppressant
							Application
Opacity	BAAQMD	Y		For Flares:	None	N	NA
	6-301			≤ Ringelmann No. 1			
				for 3 minutes in any hour			
FP	BAAQMD	Y		$\leq$ 0.15 grains/dscf	None	N	NA
	6-310						
Waste	BAAQMD	Y		$\leq$ 3,598 tons per day and	BAAQMD	P/D	Records
Received	Condition #			$\leq$ 835,000 tons	Condition #		
	10164,			per 12-month period	10164,		
	Part 2				Part 12		
Cumula-	BAAQMD	Y		$\leq$ 22,740,000 tons	BAAQMD	P/D	Records of
tive	Condition #			(< 20,600,000 Mg)	Condition #		Waste
Waste In-	10164,				10164,		Placed in
Place	Part 2				Parts 12 and		Landfill
					15		
Design	BAAQMD	Y		$\leq$ 49,000,000 yd <sup>3</sup>	BAAQMD	P/D	Records of
Capacity	Condition #			$(\leq 37,500,000 \text{ m}^3)$	Condition #		Materials
	10164,			of all wastes and cover	10164,		Placed in
	Part 2			materials (excluding final	Parts 12,		Landfill
				cover)	14m, and 15		

## VII. Applicable Limits and Compliance Monitoring Requirements

# Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1 Los Trancos Canyon Landfill; A-7 Landfill Gas Flare; A-8 Landfill Gas Flare

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Unpaved	BAAQMD	Y		$\leq$ 1200 feet from paved	BAAQMD	P/E	Site Maps
Road	Condition #			haul road to working face	Condition #		
Length	10164,				10164,		
	Part 5				Part 12		
Vehicle	BAAQMD	Y		$\leq$ 10 mph on unpaved roads	None	N	NA
Speed	Condition #						
	10164,						
	Part 6						
Dust	BAAQMD	Y		$\geq$ 0.5 gallons per square	BAAQMD	P/E	Records
Suppress-	Condition #			yard of 10% magnesium	Condition #		
ant	10164,			chloride applied once per	10164,		
Applica-	Part 7			calendar month between	Part 12		
tion Rate				May 1 and November 1 and			
for				once every 30 consecutive			
Unpaved				dry days between			
Roads				November 1 and May 1			
Water	BAAQMD	Y		$\geq$ four times per day	BAAQMD	P/D	Records
Applica-	Condition #			on dry days	Condition #		
tion Rate	10164,			and as needed	10164,		
for	Part 7			on wet days	Part 12		
Unpaved							
Roads							
Cleaning	BAAQMD	Y		sweep and wash twice per	BAAQMD	P/E	Records
Rate for	Condition #			week or as necessary	Condition #		
Paved	10164,				10164,		
Roads	Part 8				Part 12		
Truck	BAAQMD	Y		$\leq$ 178 round trips per day	BAAQMD	P/D	Records
Traffic	Condition #			for transfer trucks	Condition #		
Volume	10164,				10164,		
	Part 9a				Part 12		

## VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Type
Truck	BAAQMD	Y		≤ 52 round trips per day	BAAQMD	P/D	Records
Traffic	Condition #			for packer trucks	Condition #		
Volume	10164,				10164,		
	Part 9b				Part 12		
Truck	BAAQMD	Y		≤ 36 round trips per day	BAAQMD	P/D	Records
Traffic	Condition #			for water trucks	Condition #		
Volume	10164,				10164,		
	Part 9c				Part 12		
Truck	BAAQMD	Y		$\leq$ 200 round trips per day	BAAQMD	P/D	Records
Traffic	Condition #			for soil trucks	Condition #		
Volume	10164,				10164,		
	Part 9d				Part 12		
Truck	BAAQMD	Y		$\leq$ 60 round trips per day	BAAQMD	P/D	Records
Traffic	Condition #			for miscellaneous heavy	Condition #		
Volume	10164,			equipment	10164,		
	Part 9e				Part 12		
Truck	BAAQMD	Y		$\leq$ 250 round trips per day	BAAQMD	P/D	Records
Traffic	Condition #			for light duty vehicles	Condition #		
Volume	10164,			(excluding employee	10164,		
	Part 9f			vehicles)	Part 12		
Truck	BAAQMD	Y		$\leq$ 8000 feet (one way) on	BAAQMD	P/E	Site Maps
Traffic	Condition #			paved roads for all heavy-	Condition #		
Trip	10164,			duty vehicles except water	10164,		
Length	Part 10			trucks, fuel trucks, and	Part 12		
				employee light duty			
				vehicles			
Truck	BAAQMD	Y		$\leq$ 11,700 feet (one-way)	BAAQMD	P/E,D	Site Maps
Traffic	Condition #			for water trucks	Condition #		and Records
Trip	10164,			$(\leq 36 \text{ round trips per day})$	10164,		
Length	Part 10a				Part 12		

## VII. Applicable Limits and Compliance Monitoring Requirements

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	<b>Emission Limit</b>	Citation	(P/C/N)	Type
Truck	BAAQMD	Y		≤ 11,700 feet (one-way)	BAAQMD	P/E,D	Site Maps
Traffic	Condition #			for fuel trucks	Condition #		and Records
Trip	10164,			$(\leq 2 \text{ round trips per day})$	10164,		
Length	Part 10b				Part 12		
Truck	BAAQMD	Y		$\leq$ 11,700 feet (one-way)	BAAQMD	P/E,D	Site Maps
Traffic	Condition #			for employee light duty	Condition #		and Records
Trip	10164,			vehicles	10164,		
Length	Part 10c			(≤ 20 round trips per day)	Part 12		
$SO_2$	BAAQMD	Y		Property Line Ground	None	N	NA
	9-1-301			Level Limits:			
				$\leq$ 0.5 ppm for 3 min.,			
				$\leq$ 0.25 ppm for 60 min,			
				$\leq$ 0.05 ppm for 24 hrs.			
$SO_2$	BAAQMD	Y		In Exhaust Gases	BAAQMD	P/A	Sulfur
	9-1-302			From Flares:	Condition #		Analysis of
				$\leq$ 300 ppm (dry)	10164,		Landfill Gas
					Parts 21 and		
					31		
$H_2S$	BAAQMD	N		Property Line	None	N	NA
	9-2-301			Ground Level Limits:			
				<u>&lt;</u> 0.06 ppm			
				averaged over 3 minutes			
				and			
				$\leq$ 0.03 ppm			
				averaged over 60 minutes			
Total	BAAQMD	Y		In Collected Landfill Gas:	BAAQMD	P/A	Sulfur
Reduced	Condition #			$\leq$ 150 ppmv as H <sub>2</sub> S	Condition #		Analysis of
Sulfur	10164,				10164,		Landfill Gas
Content	Part 21				Part 31		
Operating	BAAQMD	N		Monday through Saturday	BAAQMD	P/D	Records
Time	Condition #				Condition #		
	10164,				10164,		
	Part 1				Part 12		

## VII. Applicable Limits and Compliance Monitoring Requirements

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Flow Rate	BAAQMD	Y		To All Flares Combined:	BAAQMD	P/M	Records
	Condition #			≤ 3807.6 million scf per	Condition #		
	10164,			12-month period of	10164,		
	Part 20			landfill gas with 50%	Part 20		
				methane (dry basis),			
				at 70 °F and 1 atm			
Toxic Air	BAAQMD	N		Concentration Limits for	BAAQMD	P/A	Landfill Gas
Contam-	Condition #			TACs in Landfill Gas: <u>Compound</u> PPBV	Condition #		Analysis
inants	10164,			acrylonitrile 500	10164,		
(TACs)	Part 22			benzene 10,000 carbon tetrachloride 100	Part 31		
				chloroform 100			
				1,4 dichlorobenzene 500 ethylene dibromide 100			
				ethylene dichloride 500			
				ethylidene dichloride 10,000 methylene chloride 30,000			
				perchloroethylene 10,000			
				1,1,2,2 tetrachloroethane 500 trichloroethylene 5,000			
				vinyl chloride 5,000			
$NO_x$	BAAQMD	Y		For Flares	BAAQMD	P/A	Annual
	Condition #			(A-7, A-8, and A-9):	Condition #		Source Tests
	10164, Part			$\leq$ 39 ppmv at 3% O <sub>2</sub> , dry,	10164,		
	28			in flare exhaust,	Part 30		
				unless each flare emits			
				$\leq$ 0.052 pounds (as NO <sub>2</sub> ) /			
				MM BTU			
CO	BAAQMD	Y		For Flares	BAAQMD	P/A	Annual
	Condition #			(A-7, A-8, and A-9):	Condition #		Source Tests
	10164, Part			$\leq$ 184 ppmv at 3% $O_2$ , dry,	10164,		
	29			in flare exhaust,	Part 30		
				unless each flare emits			
				$\leq$ 0.15 pounds / MM BTU			

## VII. Applicable Limits and Compliance Monitoring Requirements

 $Table\ VII-B$  Applicable Limits and Compliance Monitoring Requirements S-5 Non-Retail Gasoline Dispensing Facility – G # 8524

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре
Gasoline	BAAQMD	N		≤ 400,000 gallons	SIP	P/A	Records
Through-	Condition			per 12-month period	8-5-501.1 and		
put	# 7523			•	BAAQMD		
					8-7-503.1		
Through-	BAAQMD	Y		≤ 1000 gallons per facility	BAAQMD	P/E	Records
put	8-7-114			for tank integrity leak	8-7-501 and		
(exempt				checking	8-7-503.2		
from							
Phase I)							
Organic	BAAQMD	Y		All Phase I Systems Shall	None	N	NA
Com-	8-7-301.2			Meet the Emission			
pounds				Limitations of the			
				Applicable CARB			
				Certification			
Organic	BAAQMD	Y		All Phase I Equipment	CARB EO	P/A	Annual
Com-	8-7-301.6			(except components with	G-70-116-F,		Check for
pounds				allowable leak rates) shall	paragraph 19,		Vapor
				be leak free	BAAQMD		Tightness
				(≤3 drops/minute)	8-7-301.13		and Proper
				and vapor tight	and 8-7-407,		Operation of
					and		Vapor
					BAAQMD		Recovery
					Condition #		System
					16516		
Organic	BAAQMD	Y		All Phase II Equipment	CARB EO	P/A	Annual
Com-	8-7-302.5			(except components with	G-70-116-F,		Check for
pounds				allowable leak rates or at	paragraph 19,		Vapor
				the nozzle/fill-pipe	BAAQMD		Tightness
				interface) Shall Be: leak	8-7-301.13		and Proper
				free	and 8-7-407,		Operation of
				(≤3 drops/minute)	and		Vapor
				and vapor tight	BAAQMD		Recovery
					Condition #		System
					16516		

## VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-5 Non-Retail Gasoline Dispensing Facility – G # 8524

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Organic	CARB EO	N		Any Emergency Vent or	CARB EO	P/A	Annual
Com-	G-70-116-			Manway Shall Be: leak	G-70-116-F,		Check for
pounds	F,			free	paragraph 19,		Vapor
	paragraph				BAAQMD		Tightness
	10				8-7-301.13		and Proper
					and 8-7-407,		Operation of
					and		Vapor
					BAAQMD		Recovery
					Condition #		System
					16516		
Defective	BAAQMD	Y		≤ 7 days	None	N	NA
Com-	8-7-302.4						
ponent							
Repair/							
Replace-							
ment							
Time							
Limit							
Liquid	BAAQMD	Y		≥ 5 ml per gallon	None	N	NA
Removal	8-7-302.8			dispensed, when dispensing			
Rate				rate > 5 gallons/minute			
Liquid	BAAQMD	Y		≤ 100 ml per	None	N	NA
Retain	8-7-302.12			1000 gallons dispensed			
from							
Nozzles							
Nozzle	BAAQMD	Y		$\leq$ 1.0 ml per nozzle	None	N	NA
Spitting	8-7-302.13			per test			
Pressure-	BAAQMD	Y		Pressure Setting:	None	N	NA
Vacuum	8-7-316			$\geq$ 2.5 inches of water,			
Valve	and			gauge			
Settings	CARB EO						
	G-70-116-						
	F,						
	paragraph						
	14						

# VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-5 Non-Retail Gasoline Dispensing Facility – G # 8524

Type of	Emission		Future		Monitoring	Monitoring	
Limit	Limit	FE	Effective		Requirement	Frequency	Monitoring
	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Type
Pressure-	SIP	Y		Pressure Setting:	None	N	NA
Vacuum	8-5-303.1			10% of maximum working			
Valve				pressure or			
Settings				at least 0.5 psig			
Discon-	CARB EO	N		≤ 10 ml per disconnect,	CARB EO	P/A	Annual
nection	G-70-116-			averaged over 3 disconnect	G-70-116-F,		Check for
Liquid	F,			operations	paragraph 19,		Vapor
Leaks	paragraph				BAAQMD		Tightness
	12				8-7-301.13		and Proper
					and 8-7-407,		Operation of
					and		Vapor
					BAAQMD		Recovery
					Condition #		System
					16516		-

# VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S-12 STOCKPILES OF GREEN WASTE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD	Y		≤ Ringelmann No. 1	BAAQMD	C, P/E	Visual
	6-301			for 3 minutes	Condition #		Observation of
				in any hour	16315,		Source in
					Parts 2 and 7d		Operation and
							Records of
							Water
							Application
Waste	BAAQMD	Y		$\leq$ 480 tons per day	BAAQMD	P/E	Records of
Received	Condition			and	Condition #		Amount of
	# 16315,			$\leq$ 70,000 tons per	16315,		Waste
	Part 1			12-month period	Parts 7a-b		Received
Waste	BAAQMD	N		$\leq$ 72 hours from time	BAAQMD	P/E	Records of
Storage	Condition			of receipt or	Condition #		Date and Time
Time	# 16315,			placement	16315,		for Waste
	Parts 3-4				Parts 7a-c		Receipt and
							Processing
Odorous	BAAQMD	N		$\leq$ 24 hours from the	BAAQMD	P/E	Records of
Stockpile	Condition			time the stockpile is	Condition #		Date and Time
Storage	# 16315,			deemed "odorous"	16315,		for Waste
Time	Part 5				Parts 7a-c		Receipt and
							Processing

## VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits included in Section VII, Applicable 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	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate; or
6-310		EPA Reference Method 5 Determination of Particulate Matter
		Emissions from Stationary Sources
BAAQMD	Total Carbon Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA
8-2-301		Reference Method 25 or 25A
BAAQMD	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility
8-7-301.6		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	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility
8-7-302.5		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	Liquid Removal Rate	Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility
8-7-302.8		Liquid Removal Devices or ARB Test Method TP-201.6 Determination
		of Liquid Removal of Vapor Recovery Systems of Dispensing Facilities
BAAQMD	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in
8-7-302.12		Nozzles and Hoses (this method has not been approved yet)
BAAQMD	Nozzle Spitting	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in
8-7-302.13		Nozzles and Hoses (this method has not been approved yet)
BAAQMD	Collection and Control System	EPA Reference Method 21, Determination of Volatile Organic
8-34-301.2	Leak Limitations	Compound Leaks
BAAQMD	Limits for Flares	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-
8-34-301.3		14, Oxygen, Continuous Sampling; or
		EPA Reference Method 18, 25, 25A, or 25C
BAAQMD	Landfill Surface Requirements	EPA Reference Method 21, Determination of Volatile Organic
8-34-303		Compound Leaks

Revision Date: October 1, 2007

# VIII. Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD	Wellhead Gauge Pressure	APCO Approved Device
8-34-305.1		
BAAQMD	Wellhead Temperature	APCO Approved Device
8-34-305.2		
BAAQMD	Wellhead Nitrogen	EPA Reference Method 3C, Determination of Carbon Dioxide,
8-34-305.3		Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD	Wellhead Oxygen	EPA Reference Method 3C, Determination of Carbon Dioxide,
8-34-305.4		Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD	Compliance Demonstration Test	EPA Reference Method 18, Measurement of Gaseous Organic
8-34-412		Compound Emissions by Gas Chromatography, Method 25,
		Determination of Total Gaseous Nonmethane Organic Emissions as
		Carbon, Method 25A, Determination of Total Gaseous Organic
		Concentration Using a Flame Ionization Analyzer, or Method 25C,
		Determination of Nonmethane Organic Compounds (NMOC) in MSW
		Landfill Gases
BAAQMD	Organic Content Limit for Small	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B
8-40-116.2	Volume Exemption	
BAAQMD	Limits on Uncontrolled Aeration	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B;
8-40-301	of Contaminated Soil	or EPA Reference Method 21
BAAQMD	Limitations on Ground Level	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for
9-1-301	Concentrations (SO <sub>2</sub> )	Hydrogen Sulfide and Sulfur Dioxide
BAAQMD	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide,
9-1-302	(SO <sub>2</sub> )	Continuous Sampling
BAAQMD	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for
9-2-301		Hydrogen Sulfide and Sulfur Dioxide
40 CFR 60.8	Performance Tests	EPA Reference Method 18, Measurement of Gaseous Organic
		Compound Emissions by Gas Chromatography, Method 25,
		Determination of Total Gaseous Nonmethane Organic Emissions as
		Carbon, Method 25A, Determination of Total Gaseous Organic
		Concentration Using a Flame Ionization Analyzer, or Method 25C,
		Determination of Nonmethane Organic Compounds (NMOC) in MSW
		Landfill Gases

# VIII. Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
40 CFR	NMOC Outlet Concentration and	EPA Reference Method 18, Measurement of Gaseous Organic
60.752	Destruction Efficiency Limits	Compound Emissions by Gas Chromatography, Method 25,
(b)(2)(iii)(B)	,	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	Wellhead Pressure	APCO Approved Device
60.753(b)		
40 CFR	Temperature, N <sub>2</sub> , and O <sub>2</sub>	EPA Reference Method 3C, Determination of Carbon Dioxide,
60.753(c)	concentration in wellhead gas	Methane, Nitrogen, and Oxygen from Stationary Sources
40 CFR	Methane Limit at Landfill	EPA Reference Method 21, Determination of Volatile Organic
60.753(d)	Surface	Compound Leaks
BAAQMD	Acceptance Criteria for VOC	EPA Reference Methods 8015B, 8021B, or any method determined to
Condition #	Contaminated Soil	be equivalent by the US EPA and approved by the APCO
10164,		
Part 13b and		
Part 14		
BAAQMD	Wellhead Oxygen	EPA Reference Method 3C, Determination of Carbon Dioxide,
Condition #		Methane, Nitrogen, and Oxygen from Stationary Sources
10164,		
Part 18b(i)		
BAAQMD	Landfill Surface Requirements	EPA Reference Method 21, Determination of Volatile Organic
Condition #		Compound Leaks
10164,		
Part 18b(iv)		
BAAQMD	Component Leak Monitoring	EPA Reference Method 21, Determination of Volatile Organic
Condition #	Requirements for Temporarily	Compound Leaks
10164,	Disconnected Components	
Part 18c(iv)		
BAAQMD	Methane Content of Landfill Gas	EPA Reference Method 3C, Determination of Carbon Dioxide,
Condition #		Methane, Nitrogen, and Oxygen from Stationary Sources
10164,		
Part 20a		

# VIII. Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 10164, Part 21	Concentration Limit for Total Reduced Sulfur Compounds in Landfill Gas	Manual of Procedures, Volume III, Method 5 Determination of Total Mercaptans in Effluents and Method 25 Determination of Hydrogen Sulfide in Effluents, or Method 44 Determination of Reduced Sulfur Gases and Sulfur Dioxide in Effluent Samples by Gas Chromatographic Methods
BAAQMD Condition # 10164, Part 22	Concentration Limits for Toxic Air Contaminants (TACs) in Landfill Gas	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
BAAQMD Condition # 10164, Part 23a-f	Combustion Zone Temperature Limit for Each Flare	APCO Approved Device
BAAQMD Condition # 10164, Part 28	NO <sub>x</sub> Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 20 and APCO Approved Calculation Procedure
BAAQMD Condition # 10164, 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
BAAQMD Condition # 10164, Part 30	Annual Compliance Demonstration Tests	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling, ST-7, Organic Compounds, ST-13A, Oxides of Nitrogen, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; or EPA Reference Methods 18, 25, 25A, or 25C, Methods 10 and 20, and APCO Approved Calculation Procedure
BAAQMD Condition # 10164, Part 31	Annual Landfill Gas Characterization Tests	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography and Manual of Procedures, Volume III, Method 5 Determination of Total Mercaptans in Effluents and Method 25 Determination of Hydrogen Sulfide in Effluents, or Method 44 Determination of Reduced Sulfur Gases and Sulfur Dioxide in Effluent Samples by Gas Chromatographic Methods

# VIII. Test Methods

Applicable		
Requirement	<b>Description of Requirement</b>	Acceptable Test Methods
BAAQMD	Static Pressure Testing	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility
Condition #	Requirement	Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test
16516		Method TP 201.3B Determination of Static Pressure Performance of
		Vapor Recovery Systems of Dispensing Facilities with Above-Ground
		Storage Tanks
CARB EO	Leak Free Emergency Vent or	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility
G-70-116-F,	Manway	Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test
paragraph 10		Method TP 201.3B Determination of Static Pressure Performance of
		Vapor Recovery Systems of Dispensing Facilities with Above-Ground
		Storage Tanks
CARB EO	Disconnection Liquid Leaks for	BAAQMD Enforcement Division, Policies and Procedures, Regulation
G-70-116-F,	Phase I Systems	8, Rule 33, Bulk Gasoline Distribution Facilities and Gasoline Delivery
paragraph 12		Vehicles Guidelines, Section 5.B.1.

# IX. PERMIT SHIELD

**Not Applicable** 

80 Revision Date: October 1, 2007

## X. REVISION HISTORY

## **Title V Permit Issuance (Application # 17349):**

October 1, 2001

## **Minor Revision (Application # 3221):**

March 7, 2002

- Correction to the description of the current gas collection system for S-1 in Table II-A and in Permit Condition #10164. Part 15.a
- Addition of Part 15.b, which describes approved expansions of the gas collection system in the lower canyon fill area, to Permit Condition #10164 and to Table IV-A
- Non-substantive text revisions to Condition #10164, Parts 14 and 15
- Correction of the basis for Condition #10164, Part 15
- SIP rules available on EPA's website

## **Minor Revision (Application # 4801):**

August 12, 2003

- Correct and update regulatory dates in Sections I. and III.
- Add S-12 Stockpiles of Green Waste to Table II-A, and add Tables IV-C and VII-C for S-12.
- Revise Condition #16315 for S-12 to add bases, throughput limits, visual monitoring requirements, and record keeping requirements.
- Clarify capacities and operating requirements for flares in Table II-B.
- Updates Tables IV-A, IV-B, IV-D, VII-A, VII-B, VII-D, and VIII and delete Condition #10164, Part 33 to reflect EPA's adoption of BAAQMD Regulation 8, Rules 5, 7, 34, and 40 into the SIP and BAAQMD's subsequent adoption of amendments to Regulation 8, Rules 5 and 7.
- Incorporate NESHAP requirements for MSW Landfills into Tables IV-A, IV-D, VII-A, VII-D and Condition #10164, Part 33.
- Add new terms to Section XI.

## **Significant Revision (Application # 7841):**

**January 5, 2004** 

- Add Regulation 8, Rule 47 to Table III.
- Merge Tables IV-A and IV-D into Table IV-A.
- Merge Tables VII-A and VII-D into Table VII-A.
- Identify NESHAP requirements for MSW Landfills in Tables IV-A and VII-A and Condition #10164.

## X. Revision History

- Modify Condition #10164 by:
- adding or revising Parts 17, 19-31, and 34 to incorporate requirements for proposed Flares (A-7, A-8, and A-9),
- deleting obsolete requirements,
- rearranging Parts 13-22 to improve clarity, and
- correcting the basis for Parts 3, 4, 13-19, 23-27, 30, and 32.
- Add proposed Flares (A-7, A-8, and A-9) and associated requirements to Tables II-B, IV-A, VII-A, and VIII.
- Correct table number and part number references in Tables II-B, IV-A, VII-A, and VIII.
- Correct test methods referenced in Table VIII by adding optional methods and deleting obsolete methods.
- Correct Section X by deleting the proposal date for the initial MFR Permit.
- Add new terms to Section XI.

## Minor Revision (Applications # 7841 and # 8229):

- May 6, 2005
- Revise description of S-5 in Tables II-A, IV-B, and VII-B pursuant to Application # 8229.
- Incorporate static pressure testing requirement for S-5 by adding Condition #16516 and revising Tables IV-B, VII-B, and VIII pursuant to Application # 8229.
- Delete SIP regulations and update amendment dates in Tables III and IV-A pursuant to EPA actions.
- Correct errors and delete future effective dates that have passed from Table IV-A
- Delete Flares A-4, A-5, and A-6 from Table II-B and from titles of Tables IV-A and Table VII-A pursuant to Application # 7841.
- Revise the list of applicable sources for Condition # 10164, and revise Parts 19, 20, and 23-30 by deleting references to Flares A-4, A-5, and A-6.
- Correct an error in Condition # 10164, Part 17b.
- Delete obsolete NOx and CO limits for Flares A-4, A-5, and A-6 from Condition #10164, Parts 28 and 29 and from Table VII-A.
- Delete Condition #10164, Part 34 and revise Table IV-A accordingly, because these requirements have been satisfied.
- Add application number references to Section X.
- Update SIP web address in Section XII.

## X. Revision History

## **Minor Revision (Application # 12700):**

March 16, 2006

- Revise Condition #10164, Part 13 to clarify the applicability of this part.
- Revise Condition #10164, Part 17 to allow for an expansion of the landfill gas collection system and to delete obsolete text.

## **Minor Revision (Application # 14066):**

**April 26, 2007** 

- Update the landfill gas collection system description in Table II-A and in Condition #10164, Parts 16 and 17.
- Authorize additional well installations in Condition #10164, Part 17b.

## **Significant Revision (Application # 14066):**

**April 26, 2007** 

- Add an alternative wellhead oxygen standard to Condition #10164, Part 18b(i) and Table VII-A.
- Identify wells that are subject to this alternative oxygen standard in Table IV-A, Table VII-A, and Condition #10164, Part 18b(i).
- Add monitoring and record keeping requirements and procedures for wells subject to the alternative wellhead oxygen standard and the surface vicinity near these wells to Table VII-A, Table VIII, and Condition #10164, Part 18b(ii-vi).
- Identify criteria for revoking the alternative wellhead oxygen standard for a particular well and state corrective measures to be taken in such situations in Condition #10164, Part 18b(vii).
- In Section X, update the revision history.

## **Renewal (Application # 14391):**

**October 1, 2007** 

- Update regulatory amendment dates in Section I.A.
- Correct the bases for standard conditions I.B.1, I.B.11, I.E.2, and I.F, and make other corrections to standard text in Section I.G.
- Add standard condition text to Section I.B.1 concerning the application shield.

## X. Revision History

- Add standard condition text to Section I.B.12 that identifies the facility's compliance responsibilities for all equipment including equipment operated by contractors or other agents.
- Revise collection system description in Table II-A.
- Add standard language to Section III concerning temporary sources.
- Add EPA's web site address for SIP provisions to Sections III and IV.
- In Table III, update regulatory amendment dates for: Regulation 1; Regulation 2, Rule 1; and Regulation 8, Rules 2, 40, and 47 and add applicable SIP rules.
- Add the following recently adopted or missing requirements to Table III: Regulation 2, Rule 5; Regulation 4; Regulation 8, Rule 15; Regulation 9, Rules 1 and 2; California H&SC requirements for Portable Equipment; and California ATCMs for asbestos, stationary compression ignition engines, and portable diesel engines.
- Remove footnote from Tables III and IV-A, because the need to comply with SIP requirements is explained elsewhere in the permit.
- In Table IV-A, update regulatory amendment dates for: Regulation 1; Regulation 8, Rules 2, 34, and 40; 40 CFR Part 60, Subparts A and WWW; and 40 CFR Part 63, Subparts A and AAAA.
- In Table IV-A, add Regulation 8-34-404, because the District has approved some provisions for less than continuous operation of individual collection system components.
- Remove Regulation 11, Rules 1, 3, and 14 from Tables IV-A, VII-A, and VIII.
- In Table IV-A, update the descriptions and bases of Condition #10164, Parts 16, 17, and 18 for consistency with the Section VI permit condition revisions.
- In Table IV-B, update the Regulation 8, Rule 5 requirements pursuant to the recently adopted amendments. The gasoline tank is now exempt from BAAQMD Regulation 8, Rule 5, but remains subject to SIP Regulation 8, Rule 5.

## X. Revision History

- Correct BAAQMD Condition #10164, Part 13 in accordance with the March 16, 2006 revisions that were inadvertently omitted from the April 26, 2007 permit.
- Clarify record keeping requirements in BAAQMD Condition #10164, Part 15.
- Remove BAAQMD Condition #10164, Part 16 from Section VI and from Tables IV-A and VII-A, because these provisions were combined with Part 17.
- In Condition #10164, Part 17, update the collection system description in Part 17a and describe authorized collection system alterations in Part 17b. Clarify authority to construct requirements, replacement definitions, notification procedures, and record keeping requirements for collection system alterations in subparts 17b(ii-vi).
- Clarify collection system operating requirements in BAAQMD Condition #10164, Part 18a. Remove a decommissioned well from subpart 18b(i). Add provisions that allow less than continuous operation for individual collection system wells to Part 18c. Add Regulation 8-34-404 to the basis of Part 18 in Section VI and in Table IV-A.
- Update standard text in Section VII.
- In Tables VII-A, VII-B, and VII-C, clarify requirements by adding ≥ or ≤ symbols where appropriate.
- Update citations in Tables VII-A, VII-B, and VIII pursuant to regulatory amendments and District approved permit condition revisions.
- Revise introductory text for Section VIII, and delete obsolete requirements from Table VIII.
- Add the missing description for the March 16, 2006 minor revision associated with Application #12700, and add descriptions of these renewal revisions to Section X.
- Add numerous terms to the glossary in Section XI.
- Delete Section XII.

Facility Name: Browning-Ferris Industries of CA, Inc.

Permit for Facility #: A2266

## XI. GLOSSARY

#### **ACT**

Federal Clean Air Act

#### **APCO**

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

#### API

American Petroleum Institute

#### ARB

Air Resources Board (same as CARB)

#### **ASTM**

American Society for Testing and Materials

#### **ATC**

Authority to Construct

## **ATCM**

Airborne Toxic Control Measure

#### **BAAOMD**

Bay Area Air Quality Management District

### **BACT**

Best Available Control Technology

#### **BARCT**

Best Available Retrofit Control Technology

#### **Basis**

The underlying authority that allows the District to impose requirements.

#### BFI

**Browning-Ferris Industries** 

#### **C1**

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

## **C3**

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

## **C5**

An Organic chemical compound with five carbon atoms

Facility Name: Browning-Ferris Industries of CA, Inc.

Permit for Facility #: A2266

## XI. Glossary

## **C6**

An Organic chemical compound with six carbon atoms

## CAA

The federal Clean Air Act

## **CAAQS**

California Ambient Air Quality Standards

#### **CAPCOA**

California Air Pollution Control Officers Association

#### **CARB**

California Air Resources Board (same as ARB)

#### CCR

California Code of Regulations

#### **CEC**

California Energy Commission

## **CEQA**

California Environmental Quality Act

## **CEM**

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

## **CFR**

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

## CH4 or CH<sub>4</sub>

Methane

#### CO

Carbon Monoxide

## CO2 or CO2

Carbon Dioxide

## $\mathbf{CT}$

Combustion Zone Temperature

## XI. Glossary

#### **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

## E 6, E 9, E 12

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example,  $4.53 ext{ E 6}$  equals  $(4.53) ext{ x } (10^6) = (4.53) ext{ x } (10 ext{ x } 10 ext{ x } 10 ext{ x } 10 ext{ x } 10) = 4,530,000$ . Scientific notation is used to express large or small numbers without writing out long strings of zeros.

#### EG

**Emission Guidelines** 

#### EO

**Executive Order** 

#### **EPA**

The federal Environmental Protection Agency.

#### **ETP**

**Effluent Treatment Plant** 

### **Excluded**

Not subject to any District Regulations.

## Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (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.

88

#### FR

Federal Register

## XI. Glossary

## **GDF**

Gasoline Dispensing Facility

## **GLM**

**Ground Level Monitor** 

## grains

1/7000 of a pound

## H2S or H2S

Hydrogen Sulfide

## H2SO4 or H<sub>2</sub>SO<sub>4</sub>

Sulfuric Acid

#### H&SC

Health and Safety Code

## **HAP**

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

#### Hg

Mercury

#### HHV

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

#### **LFG**

Landfill gas

#### LHV

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

## Long ton

2200 pounds

## XI. Glossary

## **Major Facility**

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

## MAX or Max.

Maximum

## **MFR**

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

#### MIN or Min.

Minimum

#### **MOP**

The District's Manual of Procedures.

#### **MSDS**

Material Safety Data Sheet

## **MSW**

Municipal solid waste

#### **MTBE**

methyl tertiary-butyl ether

## MW

Molecular weight

## N2 or N<sub>2</sub>

Nitrogen

## NA

Not Applicable

## **NAAQS**

National Ambient Air Quality Standards

#### **NESHAPs**

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

## XI. Glossary

## **NMHC**

Non-methane Hydrocarbons (same as NMOC).

## **NMOC**

Non-methane Organic Compounds (same as NMHC).

## NOx or NOx

Oxides of nitrogen.

## **NSPS**

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the 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.)

#### O2 or O2

Oxygen

## **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<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub>.

#### **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** or **PM**<sub>10</sub>

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

## XI. Glossary

#### **PSD**

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

#### PV or P/V Valve

Pressure/Vacuum Valve

## **Regulated Organic Liquid**

"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

#### **RMP**

Risk Management Plan

#### $\mathbf{S}$

Sulfur

#### **SCR**

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

#### SIP

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

## SO2 or SO<sub>2</sub>

Sulfur dioxide

## SO3 or SO<sub>3</sub>

Sulfur trioxide

#### SSM

Startup, Shutdown, or Malfunction

#### **SSM Plan**

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

## XI. Glossary

## **TAC**

Toxic Air Contaminant (as identified by CARB)

#### THC

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

#### therm

100,000 British Thermal Unit

## 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).

#### **TPH**

**Total Petroleum Hydrocarbons** 

#### **TRMP**

Toxic Risk Management Policy

#### **TRS**

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

## **TSP**

**Total Suspended Particulate** 

#### **TVP**

True Vapor Pressure

## **VMT**

Vehicle Miles Traveled

### **VOC**

Volatile Organic Compounds

## XI. Glossary

## **Symbols:**

< = less than > = greater than

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

## **Units of Measure:**

atm atmospheres = brake-horsepower bhp = btu **British Thermal Unit** BTU **British Thermal Unit** = °C degrees Centigrade = cfm cubic feet per minute = dry standard cubic feet dscf = ٥F degrees Fahrenheit =

 $\begin{array}{cccc} \text{ft}^3 & = & \text{cubic feet} \\ \text{g} & = & \text{grams} \\ \text{gal} & = & \text{gallon} \end{array}$ 

gpm = gallons per minute

grains gr = horsepower hp = hour hr = inches in = kW =kilowatts lb pound = lbmol pound-mole =  $m^2$ = square meters  $m^3$ cubic meters = Mg =mega grams minute min == millimeter mm

mm Hg = millimeters of mercury (pressure)

 $\begin{array}{lll} MM & = & million \\ MM \ BTU & = & million \ BTU \end{array}$ 

M cf = one thousand cubic feet
MM cf = million cubic feet
MW = megawatts
ppb = parts per billion

ppbv = parts per billion, by volume

ppm = parts per million

ppmv = parts per million, by volume
ppmw = parts per million, by weight
psia = pounds per square inch, absolute
psig = pounds per square inch, gauge

scf = standard cubic feet

# XI. Glossary

standard cubic feet per minute standard dry cubic feet scfm =

sdcf =

standard dry cubic feet per minute sdcfm =

yard

yd yd³ cubic yards

year yr =