Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Browning-Ferris Industries of California, Inc. - Ox Mountain Landfill

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**
Agustin Moreno, Division Manager	Agustin Moreno, Division Manager
(650) 713-3620	(650) 713-3620

Type of Facility: MSW Landfill
Primary SIC: 4953
Product: Collection and Disposal of Solid Waste

BAAQMD Engineering Division Contact:
Stanley Tom

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Pamela J. Leong
Pamela J. Leong, Director of Engineering

June 29, 2020
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 5/4/11);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 4/8/12);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/19/12);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 5 - Permits, New Source Review of Toxic Air Contaminants
(as amended by the District Board on 1/6/10);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); and
SIP Regulation 2, Rule 6 - Permits, Major Facility Review
(as approved by EPA through 6/23/95).

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

1. This Major Facility Review Permit was issued on March 14, 2014 and expires on March 13, 2019. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than September 13, 2018 and no earlier than March 13, 2018. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after March 13, 2019.** If the permit renewal has not been issued by March 13, 2019, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)

I. Standard Conditions

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

I. Standard Conditions

11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment 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. 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

I. Standard Conditions

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 by e-mail to compliance@baaqmd.gov or by postal mail to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
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 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 certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent by e-mail to r9.aeo@epa.gov or postal mail to the Environmental Protection Agency at the following address:

Director
Enforcement Division, TRI & Air Section (ENF-2-1)
USEPA Region 9
75 Hawthorne Street
San Francisco, California 94105

(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

I. Standard Conditions

Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)

3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

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

J. Miscellaneous Conditions

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

II. EQUIPMENT

A. Permitted Source List

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

Table II – A
Permitted Sources

S-#	Description	Make or Type	Model	Capacity
1	Los Trancos Canyon Landfill – Waste Decomposition Process: (Equipped with Active Gas Collection System)	Accepting MSW, agricultural waste, demolition waste, auto and tire waste, sewage sludge, and asbestos.		Max. Design Capacity (waste and cover, excluding final cover) = 49.0 E6 yd^3 (37.5 E6 m^3) Max. Waste Acceptance Rate = 3,598 tons/day Max. Cumulative Waste In-Place = 26.5 million tons (24.0 million Mg)
	Gas Collection System	Vertical Wells Horizontal Collectors		Continuously Operating: 166 vertical wells 9 horizontal collectors 2 leachate cleanout risers Operating Less Than Continuously: 12 vertical wells
5	Non-Retail Gasoline Dispensing Facility - G# 8524 (Phase I is Two-Point, Phase II is Vapor Balance)	1 Gasoline Nozzle 1 Gasoline Tank 2 Diesel Tanks (exempt) 2 Diesel Nozzles (exempt)	EW 4005 Above-ground Above-ground EMCO Wheaton A845 and WOG 600	10 gpm 1000 gallon capacity 1000 gallon capacity and 10,000 gallon capacity 8 gpm and 35.3 gpm
12	Stockpile of Green Waste	handling and storing yard and green waste		480 tons/day and 70,000 tons/year

II. Equipment

Table II – A
Permitted Sources

S-#	Description	Make or Type	Model	Capacity
21	Los Trancos Canyon Landfill – Waste and Cover Material Dumping	Wastes: MSW, agricultural waste, demolition waste, auto and tire waste, sewage sludge, and asbestos. Daily Cover Materials: clean soil, non-hazardous VOC-laden soil, and shredded green waste.		Max. Waste Acceptance Rate = 3,598 tons/day Max. Daily Cover Placement Rate = 336 tons/day
22	Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities	1 Excavator 4 Bulldozers 2 Compactors 1 Scraper		Max. Operating Rate = 12 hours/day per device

II. Equipment

B. Abatement Device List

Table II – B
Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
7	Landfill Gas Flare, 60 MM BTU/hour, burning propane (during start-up only) and landfill gas	S-1	BAAQMD 8-34-301.3, See also Table IV-A	Minimum combustion zone temperature of: 1400 °F (3-hour average), See also Table VII-A	Either 98% destruction of NMOC or < 30 ppmv of NMOC, as CH_4, at 3% O_2, dry
8	Landfill Gas Flare, 60 MM BTU/hour, burning propane (during start-up only) and landfill gas	S-1	BAAQMD 8-34-301.3, See also Table IV-A	Minimum combustion zone temperature of: 1400 °F (3-hour average), See also Table VII-A	Either 98% destruction of NMOC or < 30 ppmv of NMOC, as CH_4, at 3% O_2, dry
9	Landfill Gas Flare, 126 MM BTU/hour, burning propane (during start-up only) and landfill gas	S-1	BAAQMD 8-34-301.3, See also Table IV-A	Minimum combustion zone temperature of: 1400 °F (3-hour average), See also Table VII-A	Either 98% destruction of NMOC or < 30 ppmv of NMOC, as CH_4, at 3% O_2, dry

II. Equipment

C. Significant Source List

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

Table II – C
Significant Sources

S-#	Description	Type or Make and Model	Capacity	Comments
none				

D. Exempt Equipment List

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

Table II – D
Exempt Equipment

S-#	Description	Type or Make and Model	Capacity	Comments
	PERP Diesel Engine for Portable Green Waste Grinder		1082 bhp	Exempt per 2-6-113
S-23	Portable Propane Engine Powering Tipper 110209	GM/KEM, 11S881 CPULPE, Model Year 2011	166 bhp 494 in^3 displacement	Exempt per 2-6-114
S-24	Portable Diesel Engine Powering Tipper 982957	Caterpillar, 3208, Model Year 1998	200 bhp 636 in^3 displacement	Exempt per 2-6-114

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of 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 (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	Permits – General Requirements (4/8/12)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2, Rule 1	Permits – General Requirements (1/26/99)	Y
SIP 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 5	Permits – New Source Review of Toxic Air Contaminants (1/6/10)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
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 (10/6/99)	N
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants – Asbestos Containing Serpentine (7/17/91)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Code of Regulations Title 17, Section 93105	Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations (7/26/01)	N
California Code of Regulations Title 17, Section 93106	Asbestos Airborne Toxic Control Measure for Asbestos-Containing Serpentine (7/20/00)	N
California 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 (2/19/11)	N
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (2/16/12)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (11/28/06)	Y
EPA Regulation 40 CFR 82, Subpart F	Protection of Stratospheric Ozone – Recycling and Emissions Reduction (6/18/08)	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.

Table IV – A
Source-Specific Applicable Requirements
S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE;
S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-523	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	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-1 Los Trancos Canyon Landfill – Waste Decomposition Process; Abated by A-7 Landfill Gas Flare, A-8 Landfill Gas Flare, and A-9 Landfill Gas Flare;
S-21 Los Trancos Canyon Landfill – Waste and Cover Material Dumping; and S-22 Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation (applies to flares only)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation (applies to flares only)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (6/15/05)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-1 Los Trancos Canyon Landfill – Waste Decomposition Process; Abated by A-7 Landfill Gas Flare, A-8 Landfill Gas Flare, and A-9 Landfill Gas Flare;
S-21 Los Trancos Canyon Landfill – Waste and Cover Material Dumping; and S-22 Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-113.3	Recordkeeping Requirement	Y	
8-34-116	Limited Exemption, Well Raising	Y	
8-34-116.1	New Fill	Y	
8-34-116.2	Limits on Number of Wells Shutdown	Y	
8-34-116.3	Shutdown Duration Limit	Y	
8-34-116.4	Capping Well Extensions	Y	
8-34-116.5	Well Disconnection Records	Y	
8-34-117	Limited Exemption, Gas Collection System Components	Y	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	Y	
8-34-117.2	New Components are Described in Collection and Control System Design Plan	Y	
8-34-117.3	Meets Section 8-34-118 Requirements	Y	
8-34-117.4	Limits on Number of Wells Shutdown	Y	
8-34-117.5	Shutdown Duration Limit	Y	
8-34-117.6	Well Disconnection Records	Y	
8-34-118	Limited Exemption, Construction Activities	Y	
8-34-118.1	Construction Plan	Y	
8-34-118.2	Activity is Required to Maintain Compliance with this Rule	Y	
8-34-118.3	Required or Approved by Other Enforcement Agencies	Y	
8-34-118.4	Emission Minimization Requirement	Y	
8-34-118.5	Excavated Refuse Requirements	Y	
8-34-118.6	Covering Requirements for Exposed Refuse	Y	
8-34-118.7	Installation Time Limit	Y	
8-34-118.8	Capping Required for New Components	Y	
8-34-118.9	Construction Activity Records	Y	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	
8-34-301.1	Continuous Operation	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-1 Los Trancos Canyon Landfill – Waste Decomposition Process; Abated by A-7 Landfill Gas Flare, A-8 Landfill Gas Flare, and A-9 Landfill Gas Flare;
S-21 Los Trancos Canyon Landfill – Waste and Cover Material Dumping; and S-22 Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.3	Limits for Enclosed Flares (applies to 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	Wellhead Vacuum Requirement	Y	
8-34-305.2	Wellhead Temperature Limit	Y	
8-34-305.3	Nitrogen Concentration Limit for Wellhead Gas or	Y	
8-34-305.4	Oxygen Concentration Limit for Wellhead Gas (except for wells identified in Condition # 10164, Part 18b(i))	Y	
8-34-404	Less than Continuous Operation Petition	Y	
8-34-405	Design Capacity Reports	Y	
8-34-408	Collection and Control System Design Plans	Y	
8-34-408.2	Sites With Existing Collection and Control Systems	Y	
8-34-411	Annual Report	Y	
8-34-412	Compliance Demonstration Tests	Y	
8-34-413	Performance Test Report	Y	
8-34-414	Repair Schedule for Wellhead Excesses	Y	
8-34-414.1	Records of Excesses	Y	
8-34-414.2	Corrective Action	Y	
8-34-414.3	Collection System Expansion	Y	
8-34-414.4	Operational Due Date for Expansion	Y	
8-34-415	Repair Schedule for Surface Leak Excesses	Y	
8-34-415.1	Records of Excesses	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 (applies to flares only)	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.7	Waste Acceptance Records	Y	
8-34-501.8	Non-decomposable Waste Records	Y	
8-34-501.9	Wellhead Excesses and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.12	Records Retention for 5 Years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-505	Well Head Monitoring	Y	
8-34-506	Landfill Surface Monitoring	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-507	Continuous Temperature Monitor and Recorder (applies to flares only)	Y	
8-34-508	Gas Flow Meter	Y	
8-34-510	Cover Integrity Monitoring	Y	
BAAQMD Regulation 8, Rule 40	**Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)**		
8-40-110	Exemption, Storage Pile	Y	
8-40-112	Exemption, Sampling	Y	
8-40-113	Exemption, Non-Volatile Hydrocarbons	Y	
8-40-116	Exemption, Small Volume	Y	
8-40-116.1	Volume does not exceed 1 cubic yard	Y	
8-40-116.2	Volume does not exceed 8 cubic yards, organic content does not exceed 500 ppmw, may be used only once per quarter	Y	
8-40-117	Exemption, Accidental Spills	Y	
8-40-118	Exemption, Aeration Projects of Limited Impact	Y	
8-40-301	Uncontrolled Contaminated Soil Aeration	Y	
8-40-304	Active Storage Piles	Y	
8-40-305	Inactive Storage Piles	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations (applies to flares only)	Y	
9-1-302	General Emission Limitations (applies to flares only)	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-2-301	Limitations on Hydrogen Sulfide	N	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (2/16/12)**		
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	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	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 60, Subpart WWW	**Standards of Performance for New Stationary Sources – Standards of 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 greater than 2.5 million Mg **and** 2.5 million m^3 (Large Designated Facilities)	Y	
60.752(b)(2)	Comply with all requirements in sections (b)(2)(i through iv)	Y	
60.752 (b)(2)(i)	Submit a Collection and Control System Design Plan	Y	
60.752 (b)(2)(i)(A)	The collection and control system in the Design Plan shall comply with 60.752(b)(2)(ii)	Y	
60.752 (b)(2)(i)(B)	Design Plan shall include all proposed alternatives to 60.753 through 60.758	Y	
60.752 (b)(2)(i)(C)	Design Plan shall conform to 60.759 (active collection system) or demonstrate sufficiency of proposed alternatives	Y	
60.752 (b)(2)(ii)	Install a collection and control system	Y	
60.752 (b)(2)(iii)	Route collected gases to a control system.	Y	
60.752 (b)(2)(iii)(B)	Reduce NMOC emissions by 98% by weight or reduce NMOC outlet concentration to less than 20 ppmv as hexane at 3% O2, dry basis, as demonstrated by initial performance test within 180 days of start-up. (applies to flares only)	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.752 (b)(2)(iii)(C)	Process the collected gas for subsequent sale or use in a treatment system, where any atmospheric vents from this treatment system comply with paragraph (b)(2)(iii)(B) above.	Y	
60.752 (b)(2)(iv)	Operate in accordance with 60.753, 60.755, and 60.756	Y	
60.752(c)	Title V Operating Permit Requirements	Y	
60.752(c)(1)	Subject date is June 10, 1996 for Landfills new or modified between May 30, 1991 and March 12, 1996	Y	
60.753	Operational Standards for Collection and Control Systems	Y	
60.753(a)	Operate a Collection System in each area or cell in which:	Y	
60.753(a)(1)	Active Cell – solid waste in place for 5 years or more	Y	
60.753(a)(2)	Closed/Final Grade – solid waste in place for 2 years or more	Y	
60.753(b)	Operate each wellhead under negative pressure unless:	Y	
60.753(b)(1)	Fire or increased well temperature or to prevent fire	Y	
60.753(b)(2)	Use of geomembrane or synthetic cover (subject to alternative pressure limits)	Y	
60.753(b)(3)	Decommissioned well after approval received for shut-down	Y	
60.753(c)	Operate each wellhead at < 55 °C, and either < 20% N_2 or < than 5% O_2 (or other approved alternative levels for wells identified in Condition # 10164, Part 18b(i))	Y	
60.753(c)(1)	N_2 determined by Method 3C	Y	
60.753(c)(2)	O_2 determined by 3A and as described in (2)(i-v)	Y	
60.753(d)	Surface Leak Limit is less than 500 ppm methane above background at landfill surface. This section also describes some surface monitoring procedures.	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.753(e)	Vent all collected gases to a control system complying with 60.752(b)(2)(iii). If collection or control system inoperable, shut down gas mover and close all vents within 1 hour	Y	
60.753(f)	Operate the control system at all times when collected gas is routed to the control system	Y	
60.753(g)	If monitoring demonstrates that 60.753(b), (c), or (d) are not being met, corrective action must be taken	Y	
60.754	Test Methods and Procedures	Y	
60.754(a)	NMOC Calculation Procedures for NMOC Emission Rate Reports and Comparison to 50 Mg/Year Standard	Y	
60.654(a)(1)	Calculate NMOC Emission Rate using either or both of the equations in 60.754(a)(1)(i-ii) with the listed default values	Y	
60.754 (a)(1)(i)	Equation for known year-to-year waste acceptance rate	Y	
60.754 (a)(1)(ii)	Equation for unknown year-to-year waste acceptance rate	Y	
60.754(a)(2)	Tier 1 - compare calculated NMOC emission rate to 50 Mg/year	Y	
60.754 (a)(2)(ii)	If NMOC Emission Rate $\geq$ 50 Mg/year, comply with 60.752(b)(2) or determine a site-specific NMOC concentration and follow 60.754(a)(3).	Y	
60.754(c)	For PSD, NMOC emissions shall be calculated using AP-42	Y	
60.754(d)	Test Methods for Performance Test (Method 18 or 25C)	Y	
60.755	Compliance Provisions	Y	
60.755(a)	For Gas Collection Systems	Y	
60.755(a)(1)	Calculation Procedures for Maximum Expected Gas Generation Flow Rate	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.755 (a)(1)(i)	Equation for unknown year-to-year waste acceptance rate	Y	
60.755 (a)(1)(ii)	Equation for known year-to-year waste acceptance rate	Y	
60.755 (a)(1)(iii)	For closed or inactive and full sites with gas collection systems, actual flow rates may be used	Y	
60.755(a)(2)	Vertical wells and horizontal collectors shall be of sufficient density to meet all performance specifications	Y	
60.755(a)(3)	Measure wellhead pressure monthly. If pressure is positive, take corrective action (final corrective action = expand system within 120 days of initial positive pressure reading)	Y	
60.755(a)(4)	Expansion not required during first 180 days after startup.	Y	
60.755(a)(5)	Monitor wellheads monthly for temperature and either nitrogen or oxygen. If readings exceed limits, take corrective action up to expanding system within 120 days of first excess.	Y	
60.755(b)	Wells shall be placed in cells as described in design plan and no later than 60 days after:	Y	
60.755(b)(1)	Five years after initial waste placement in cell, for active cells	Y	
60.755(b)(2)	Two years after initial waste placement in cell, for closed/final grade cells.	Y	
60.755(c)	Procedures for complying with surface methane standard	Y	
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	

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60.755(c)(4)	Excess is any reading of 500 ppmv or more. Take corrective action indicated below (i-v).	Y	
60.755 (c)(4)(i)	Mark and record location of excess	Y	
60.755 (c)(4)(ii)	Repair cover or adjust vacuum. Re-monitor within 10 calendar days.	Y	
60.755 (c)(4)(iii)	If still exceeding 500 ppmv, take additional corrective action. Re-monitor within 10 calendar days of 2nd excess.	Y	
60.755 (c)(4)(iv)	Re-monitor within 1 month of initial excess.	Y	
60.755 (c)(4)(v)	For any location with 3 monitored excesses in a quarter, additional collectors (or other approved collection system repairs) shall be operational within 120 days of 1st excess.	Y	
60.755(c)(5)	Monitor cover integrity monthly and repair as needed.	Y	
60.755(d)	Instrumentation and procedures for complying with 60.755(c).	Y	
60.755(d)(1)	Portable analyzer meeting Method 21	Y	
60.755(d)(2)	Calibrated with methane diluted to 500 ppmv in air	Y	
60.755(d)(3)	Use Method 21, Section 4.4 instrument evaluation procedures	Y	
60.755(d)(4)	Calibrate per Method 21, Section 4.2 immediately before monitoring.	Y	
60.755(e)	Provisions apply at all times except during startup, shutdown, or malfunction, provided the duration of these shall not exceed 5 days for collection systems or 1 hour for control systems.	Y	
60.756	Monitoring of Operations	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
60.757(b)	Submit Initial and Annual NMOC Emission Rate Report	Y	
60.757(b)(3)	Sites with Collection and Control Systems operating in compliance with this subpart are exempt from (b)(1) and (b)(2) above.	Y	

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

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

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 re-monitoring dates and data (for wellheads and surface). Retain for 5 years.	Y	
60.759	Specifications for Active Collection Systems	Y	
60.759(a)	Active wells and collectors shall be at sufficient density	Y	
60.759(a)(1)	Collection System in refuse shall be certified by PE to achieve comprehensive control of surface gas emissions	Y	
60.759(a)(2)	Collection Systems (active or passive) outside of refuse shall address migration control	Y	
60.759(a)(3)	All gas producing areas shall be controlled except as described below (i-iii).	Y	
60.759 (a)(3)(i)	Any segregated area of asbestos or non-degradable material only may be excluded, if documented adequately per 60.758(d).	Y	

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.759 (a)(3)(ii)	Any non-productive areas may be excluded from control, provided total NMOC emissions from all excluded areas is < 1% of total NMOC emissions from landfill. Document amount, location, and age of waste and all calculations for each excluded area.	Y	
60.759 (a)(3)(iii)	For calculating NMOC emissions, values for k and concentration of NMOC that have been previously approved shall be used or defaults if no values were approved. All non-degradable wastes that are being subtracted from total wastes for NMOC calculations must be documented adequately.	Y	
60.759(b)	Gas Collection System Components	Y	
60.759(b)(1)	Must be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved material and of suitable dimensions to convey projected gas amounts and withstand settling, traffic, etc.	Y	
60.759(b)(2)	Collectors shall not endanger liner, shall manage condensate and leachate, and shall prevent air intrusion and surface leaks.	Y	
60.759(b)(3)	Header connection assemblies shall include positive closing throttle valve, seals and couplings to prevent leaks, at least one sampling port, and shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other approved materials.	Y	
60.759(c)	Gas Mover Equipment shall be sized to handle maximum expected gas generation rate over the intended period of use.	Y	
60.759(c)(1)	For existing systems, flow data shall be used to project maximum flow rate.	Y	
60.759(c)(2)	For new systems, shall be calculated per 60.755(a)(1)	Y	

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S-1 Los Trancos Canyon Landfill – Waste Decomposition Process; Abated by A-7 Landfill Gas Flare, A-8 Landfill Gas Flare, and A-9 Landfill Gas Flare;
S-21 Los Trancos Canyon Landfill – Waste and Cover Material Dumping; and S-22 Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions (2/16/12)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(b)(2)	For affected sources, maintain relevant records of:	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(d)	General reporting requirements	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63, Subpart AAAA	**National Emission Standards for Hazardous Air Pollutants – Municipal Solid Waste Landfills (4/20/06)**		
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)	Comply with either 63.1955(a)(1) or (a)(2)	Y	
63.1955(a)(1)	Comply with 40 CFR Part 60, Subpart WWW	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-1 Los Trancos Canyon Landfill – Waste Decomposition Process; Abated by A-7 Landfill Gas Flare, A-8 Landfill Gas Flare, and A-9 Landfill Gas Flare;
S-21 Los Trancos Canyon Landfill – Waste and Cover Material Dumping; and S-22 Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	
63.1955(c)	Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6-month compliance reporting requirements	Y	
63.1960	How is compliance determined?	Y	
63.1965	What is a deviation?	Y	
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	
63.1980	What records and reports must I keep and submit?	Y	
63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months	Y	
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports	Y	
BAAQMD Condition # 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 (Regulation 6-1-301)	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-1 Los Trancos Canyon Landfill – Waste Decomposition Process; Abated by A-7 Landfill Gas Flare, A-8 Landfill Gas Flare, and A-9 Landfill Gas Flare;
S-21 Los Trancos Canyon Landfill – Waste and Cover Material Dumping; and S-22 Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Road Surfacing Requirements for On-Site Roadways (Cumulative Increase)	Y	
Part 6	Vehicle Speed Limit on Unpaved Roads (Cumulative Increase)	Y	
Part 7	Dust Suppressant and Water Application Requirements for Unpaved Roads (Cumulative Increase)	Y	
Part 8	Dust Control Requirements for Paved Roads (Cumulative Increase)	Y	
Part 9	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 (Regulation 8-40-301, Cumulative Increase and Regulation 8-2-301)	Y	
Part 14	Handling Procedures for Soil Containing Volatile Organic Compounds (Regulations 8-40-301, 8-40-304 and 8-40-305)	Y	
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, 8-34-305, and 40 CFR 60.752(b)(2)(ii), 60.755(a), and 60.759)	Y	
Part 18	Collection System Operating Requirements including Alternative 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)	Y	
Part 19	Requirement to Control Collected Landfill Gas (Regulations 8-34-301 and 8-34-303 and 40 CFR Parts 60.752(b)(2(ii-iii) and 60.53(d-f))	Y	
Part 20	Landfill Gas Flow Rate Limit (Offsets and Cumulative Increase)	Y	

IV. Source-Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-1 Los Trancos Canyon Landfill – Waste Decomposition Process; Abated by A-7 Landfill Gas Flare, A-8 Landfill Gas Flare, and A-9 Landfill Gas Flare;
S-21 Los Trancos Canyon Landfill – Waste and Cover Material Dumping; and S-22 Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 21	Total Reduced Sulfur Compound Limit and Monitoring Requirement (Cumulative Increase, Regulations 2-5-302 and 2-6-503, and AB2588 Air Toxics Hot Spots Act)	Y	
Part 22	Limits on TAC Concentrations in Landfill Gas (Regulation 2-5-302 and AB2588 Air Toxics Hot Spots Act)	N	
Part 23	Combustion Temperature Limits (Regulations 2-5-302 and 8-34-301 and 40 CFR 60.752(b)(2)(iii)(B) and 60.758(c)(1)(i))	Y	
Part 24	Combustion Temperature Monitoring and Recording Requirements (Regulations 8-34-501.3 and 8-34-507 and 40 CFR 60.756(b)(1))	Y	
Part 25	Combustion Air Controller Requirement (Regulation 8-34-301.3 and RACT for CO)	Y	
Part 26	Gas Flow Monitoring and Recording Requirements (Regulations 8-34-501.10 and 8-34-508, and 40 CFR 60.756(b)(2)(i))	Y	
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 avoidance of Regulation 2-2-305.2)	Y	
Part 30	Annual Source Test Requirement (Regulations 2-6-503, 8-34-301.3, 8-34-412, and 40 CFR 60.752(b)(2)(iii)(B))	Y	
Part 31	Annual Gas Characterization Test (Cumulative Increase and Regulations 2-5-302, 8-34-412, and 9-1-302)	Y	
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, Rule 34 report (Regulation 8-34-411 and 40 CFR 63.1980(a))	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
BAAQMD Regulation 8, Rule 5	**Organic Compounds – Storage of Organic Liquids (10/18/06)**		
8-5-116	Exemption, Gasoline Storage Tanks at Gasoline Dispensing Facilities	N	
SIP Regulation 8, Rule 5	**Organic Compounds – Storage of Organic Liquids (6/5/03)**		
8-5-206	Gas Tight	Y	
8-5-301	Storage Tank Control Requirements	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-303.1	Pressure Setting	Y	
8-5-303.2	Gas Tight	Y	
8-5-501	Records	Y	
8-5-501.1	Types and amounts of materials stored	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Regulation 8, Rule 7	**Organic Compounds – Gasoline Dispensing Facilities (11/6/02)**		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers	Y	
8-7-301.2	CARB Certification Requirements	Y	
8-7-301.3	Submerged Fill Pipe Requirement	Y	
8-7-301.5	Maintenance and Operating Requirement	Y	
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-301.7	Fitting Requirements for Vapor Return Line	Y	
8-7-301.12	Spill Box Drain Valve Limitation	Y	
8-7-301.13	Annual Vapor Tightness Test Requirement	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	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
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-302.6	Requirements for Bellows Nozzles	Y	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose Requirement	Y	
8-7-302.10	Construction Materials Specifications	Y	
8-7-302.12	Liquid Retain Limitation	Y	
8-7-302.13	Nozzle Spitting Limitation	Y	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing Requirements	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	Y	

IV. Source-Specific Applicable Requirements

Table IV – 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
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.8	Monitoring requirements	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	
63.10(d)	General reporting requirements	Y	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	
40 CFR Part 63, Subpart CCCCCC	**National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities (1/24/2011)**		
63.11110	What is the purpose of this subpart?	Y	
63.11111	Am I Subject to the requirements in this subpart	Y	
63.11111(a)	Each GDF that is located at an area source	Y	
63.11111(c)	Monthly throughput of 10,000 gallons of gasoline or more-subject to 63.11117	Y	
63.11111(e)	Demonstrate their monthly throughput level as specified in 63.11112(d)	Y	
63.11111(i)	If throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold	Y	
63.11112	What parts of my affected source does this subpart cover?	Y	
63.11112(a)	Gasoline storage tanks and associated equipment components in vapor or liquid gasoline service	Y	

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
63.11112(d)	An affected source is an existing affected source if it is not new or reconstructed	Y	
63.11113	When do I have to comply with this subpart?	Y	
63.11113(b)	Existing sources: January 10, 2011	Y	
63.11113(c)	If affected source becomes subject to control requirements in this subpart because of monthly throughput increases per 63.11111(c) , you must comply with standard no later than 3 years after the affected source is subject to control requirements	Y	
63.11113(e)	Initial compliance demonstration test	Y	
63.11113(e)(2)	For existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i)	Y	
63.11113(e)(2)(i)	For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraph c of this section.	Y	
63.11115	What are my general duties to minimize emissions?	Y	
63.1115(a)	Operate and maintain affected source safety and to minimize emissions	Y	
63.1115(b)	Keep applicable records and submit reports as specified in 63.11125(d) and 63.11126(b)	Y	
63.11116	Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline	Y	
63.11116(a)	Gasoline handling requirements	Y	
63.11116(a)(1)	Minimize gasoline spills	Y	
63.11116(a)(2)	Clean up spills as expeditiously as practicable	Y	
63.11116(a)(3)	Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use	Y	
63.11116(a)(4)	Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices- such as oil/water separators	Y	
63.11117	Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more	Y	
63.11117(a)	Comply with the requirements in section 63.11116(a)	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
63.11117(b)	Only load gasoline into storage tanks utilizing submerged filling as defined in 63.11132 and as specified below	Y	
63.11117(b)(1)	Submerged fill pipes installed on or before November 9, 2006 must be no more than 12 inches from the bottom of the tank.	Y	
63.11117(d)	Throughput records available within 24 hours	Y	
63.11117(e)	You must submit the applicable notification as specified in 63.11124(a)	Y	
63.11117(f)	You must comply with the requirements of this subpart by the applicable dates contained in 63.11113	Y	
63.11124	What notifications must I submit and when?	Y	
63.11124(a)	If subject to the control requirements in Section 63.11117, you must comply with (a)(1-3)	Y	
63.11124(a)(3)	Waiver of notification requirements if operating incompliance with a local or state requirement	Y	
63.11125	What are my recordkeeping requirements?	Y	
63.11125(d)	Keep records as specified in paragraphs (d)(1) and (d)(2) of this section		
63.11125(d)(1)	Records of the occurrence and duration of each malfunction of operation or of air pollution control and monitoring equipment	Y	
63.11125(d)(2)	Records of actions taken during periods of malfunction to minimize emissions in accordance with Section 63.1115(a)	Y	
63.11126	What are my reporting requirements?	Y	
63.11126(b)	Each owner or operator of an affected source under this subpart shall report by March 15 of each year, the number, duration and a brief description of each type of malfunction which occurred during the previous calendar year and which caused any applicable emission limitation to be exceeded.	Y	
63.11130	What parts of the General Provisions apply to me?	Y	
Table 3 to Subpart CCCCCC of Part 63	Applicability of General Provisions	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
BAAQMD Condition #26216	**Gasoline Throughput Limit (Regulations 2-2-302: Offsets and 2-5-302)**	**Y**	
BAAQMD Condition #25107	**Static Pressure Performance Test 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, Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #16315			
Part 1	Limit on Yard and Green Waste Received (Cumulative Increase)	Y	
Part 2	Watering Requirements (Regulations 6-1-301, 6-1-305, 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, 6-1-301, and 6-1-305)	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 # 10164

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

*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 26,500,000 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 6-1-301)

5. All on-site roadways shall be paved, except for a segment of road from the end of the paved haul road to the working face. This unpaved segment shall not exceed 1200 feet in length. Limited use access roads may also remain unpaved. Limited use access roads include fire roads and other on-site roads that are traveled infrequently for the purpose of site patrol, maintenance, or monitoring of the landfill cover, landfill gas collections system, and landfill gas control system. (Basis: Cumulative Increase)

VI. Permit Conditions

Condition # 10164

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

6. The speed of vehicles on unpaved roads shall not exceed 10 mph. (Basis: Cumulative Increase)

7. All unpaved roads (excluding limited use access roads) shall be treated with 10% (wt) magnesium chloride dust suppressant solution at a rate of at least 0.5 gallons per square yard. This dust suppressant solution shall be applied at least once per calendar month, during May through October. During November through April, dust suppressant shall be applied after any dry period consisting of 30 consecutive days with less than 0.09 inches of rain per day. In addition, water shall be applied to all unpaved roads at least four times per working day. This watering schedule may be reduced during periods when there is sufficient precipitation to minimize dust emissions. (Basis: Cumulative Increase)

8. The Permit Holder of S-1 shall sweep and wash down all paved roadways at least twice per week or as necessary to maintain a clean road surface. (Basis: Cumulative Increase)

9. On-site vehicle traffic volume shall not exceed the number of round trips described below during any one day:

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

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)

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Condition # 10164

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

10. Except for the vehicles listed below, the on-site one way distance traveled by any heavy-duty vehicle (on paved roads only) shall not exceed 8,000 feet. This limitation does not apply to the following vehicle traffic, which may travel up to a maximum of 11,700 feet (one-way distance) on paved roads.
    a. Water Trucks - 36 round trips per day
    b. Fuel Trucks - 2 round trips per day
    c. Employee Light-Duty Vehicles - 20 round trips per day
    (Basis: Cumulative Increase)

*11. All completed landfill phases shall be revegetated in accordance with the final EIR. (Basis: CEQA)

12. The Permit Holder shall maintain appropriate records (including but not limited to: operating times, refuse acceptance rates, water and/or chemical dust suppressant application times, traffic volumes, site maps showing all paved and unpaved road lengths, etc.) to verify compliance with parts 1-11. These records shall be kept on site for at least 5 years from the date of entry and shall be made available to District personnel upon request. (Basis: Cumulative Increase)

13. 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, for VOC contaminated soil; or
    (Basis: Regulation 8-40-301)

VI. Permit Conditions

Condition # 10164

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

b. The Permit Holder can demonstrate with appropriate documentation that the soil is VOC-laden soil (soil containing VOCs that is not "Contaminated Soil" as defined in Regulation 8-40-205. In addition, the Permit Holder shall either comply with the VOC-laden soil acceptance limits in Part13b(i) below or shall demonstrate through the records and District approved calculation procedures specified in Parts 13b(iii-vi) that emissions due to VOC-laden soil receipt, storage, handling, re-use, and disposal activities do not exceed the emission limits in Part 13b(ii) below. The limits below do not apply if the Permit Holder has no documentation to prove that the soil is not contaminated or contains no VOCs but the source of the soil is known and there is no reason to suspect that the soil might contain VOC.

i. The acceptance of VOC-laden soil shall not exceed 118.75 tons per day and shall not exceed 31,800 tons per year, unless the Permit Holder demonstrates compliance with the emission limits in Part 13b(ii).

ii. The emissions due to receipt, storage, handling, re-use, and disposal of VOC-laden soil shall not exceed 11.9 pounds of VOC per day and shall not exceed 3,180 pounds of VOC per year.

iii. Maintain in a District approved log book: daily records of the amount and VOC content for each lot of VOC-laden soil received at the landfill, the amount and VOC content of VOC-laden soil that is transferred to a storage area, the amount and VOC content of VOC-laden soil that is used as cover material, and the amount and VOC content of any VOC-laden soil that is disposed of in the landfill.

iv. Calculate and record on a daily basis the VOC emission rate (E) for each soil lot received using the following equation:

$$E = Q * C / 1E6$$

where E is the maximum VOC emissions for each soil lot
Q is the amount of VOC-laden soil received per lot
C is the concentration of VOC (ppmw) in the soil lot

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vi. Summarize the daily VOC emission rate for all soil lots received per day and summarize the annual VOC emission rate for all soil lots received per calendar year.

(Basis: Cumulative Increase and Regulation 8-2-301)

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.

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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.

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 to a staging area is considered one transfer. Moving soil from a temporary storage pile to a final disposal site is considered one transfer. Moving soil from a staging area to a final disposal site is considered one transfer. Therefore, unloading soil from off-site transport into a temporary storage pile and then moving the soil from that temporary storage pile to the final disposal site is allowed. Unloading soil from off-site transport into a staging area and then moving the soil from that staging area to the final disposal site is allowed. However, unloading soil from off-site transport to a temporary storage pile, moving this soil to a staging area, and then moving the soil again to a final disposal site is three on-site transfers and is not allowed.

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f. If the contaminated soil has an organic content of less than 500 ppmw, the contaminated soil shall either be treated or deposited in a final disposal site or transported off-site for treatment, within 90 days of receipt at the facility.

g. If the contaminated soil has an organic content 500 ppmw or more, the contaminated soil shall either be treated or deposited in a final disposal site or transported off-site for treatment, within 45 days of receipt at the facility.

h. All active storage piles shall meet the requirements of Regulation 8-40-304 by using water sprays, vapor suppressants or approved coverings to minimize emissions. The exposed surface area of any active storage pile (including the active face at a landfill) shall be limited to 6000 ft^2. 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.

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iii. Spray contaminated soil with water or vapor suppressant immediately after dumping the soil from a truck at the tipping area.

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

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

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

vii. Limit the area of exposed soil on the active face to no more than 6000 ft^2.

viii. Ensure that contaminated soil spread on the active face is completely covered on all sides with one of the following approved coverings: at least 6 inches of clean compacted soil, at least 12 inches of compacted garbage, or at least 12 inches of compacted green waste.

ix. Ensure that covering of soil on the active face is completed within one hour of the time that the soil was first dumped from a truck at the tipping area.

k. Contaminated soil shall not be used as daily, intermediate, or final cover material for landfill waste operations unless the requirements of Regulation 8, Rule 40, Sections 116 or 117 have been satisfied.

l. Contaminated soil is considered to be a decomposable solid waste pursuant to Regulation 8, Rule 34. All contaminated soil disposed of at a site shall be included in any calculations of the amount of decomposable waste in place for annual reporting requirements or for purposes of 8-34-111 or 8-34-304.

m. The Permit Holder shall keep the following records for each lot of soil received, in order to demonstrate on-going compliance with the applicable provisions of Regulation 8, Rule 40.

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

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

iii. For all on-site handling of contaminated soil, use a checklist or other approved method to demonstrate that appropriate procedures were followed during all on-site handling activities. One checklist shall be completed for each day and for each soil lot (if multiple lots are handled per day).

iv. For soil aerated in accordance with 8-40-116 or 117 record the soil lot number, the amount of soil in the lot, the organic content, the final placement date, the final placement location, and describe how the soil was handled or used on-site.

v. For final disposal at a landfill, record on a daily basis the soil lot number, the amount of soil placed in the landfill, the disposal date, and the disposal location.

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

(Basis: 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.

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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]

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 through May 17, 2016.

i. Components That Operate Continuously
- 166 vertical wells
- 9 horizontal collectors
- 2 leachate cleanout risers

ii. Components That Operate Less Than Continuously
- 12 vertical wells

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b. The Permit Holder has been authorized to perform the landfill gas collection system alterations listed below pursuant to Permit Application #27710 (as of 5/17/2016). 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 89 vertical gas collection wells.
- Permanently decommission up to 137 vertical wells
- Install up to 20 horizontal collectors
- Permanently decommission up to 15 horizontal collectors

ii. The Permit Holder shall apply for and receive a Change of Conditions from the District before implementing any changes to the landfill gas collection system described in subpart 17a other than those allowed pursuant to subpart 17b(i). Installing, decommissioning, and relocating vertical wells and horizontal collectors are alterations that are subject to this requirement, unless this change constitutes a replacement as defined in subpart 17b(iii) below.

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iii. Replacement of landfill gas collection system components with identical or functionally equivalent components will not be deemed an alteration and will not subject to the Authority to Construct requirement under the following circumstances. If a well or collector will be shut down and replaced by a new well or collector in essentially the same location as the old component and this decommission/installation will be accomplished in accordance with Regulations 8-34-117 and 8-34-118, then this activity shall be considered a component replacement that is not subject to the Authority to Construct requirement. For each individual well or collector replacement, this subpart authorizes a maximum vacuum disconnection time of five consecutive days for compliance with Regulation 8-34-117.5. The disconnected component and the new component shall not be counted toward the subpart 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.

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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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For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED

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BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

18. Operating Requirements for Landfill Gas Collection Systems and Collection System Components:
    a. The landfill gas collection systems described in Part 17a(i) 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(i) 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.

OXMEW-W17	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, re-monitoring 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.

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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.

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vii. If excesses of the Regulation 8-34-303 surface emission limit are 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.

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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.

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.

d. The Permit Holder may operate the components identified in Part 17a(ii) on a less than continuous basis subject to the following operating and monitoring criteria. (Basis: Regulation 8-34-404)

i. This subpart applies to the following components: LTS-1, LTS-2, LTS-3, LTS-4, LTS-5, LTS-6, LTS-7, LTS-8, LTS-9, LTS-10, LTS-11, and LTS-12.

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ii. The owner/operator shall monitor the components in subpart d(i) on a monthly basis for gauge pressure, oxygen content, and temperature, including times when the component is disconnected from vacuum.

iii. Components that are connected to the vacuum system may be disconnected from the vacuum system if the oxygen content is equal to or greater than 15% by volume or if the temperature is equal to or greater than 131 degrees F.

iv. Components that are disconnected from the vacuum system shall be connected to the vacuum system upon detection of positive gauge pressure (greater than 0.0 inches of water column) at the component.

v. Components that are temporarily disconnected from the vacuum system pursuant to this subpart 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.

vi. 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.

19. All collected landfill gas shall be abated by the on-site Landfill Gas Flares (A-7, A-8, or A-9) or shall be vented off-site to the Ameresco Half Moon Bay LLC facility (Site #B7040). Landfill gas may be vented to any combination of the approved control devices (the three on-site flares, the off-site flare, and the six off-site IC engines), provided that a sufficient amount of landfill gas is collected at all times to prevent violation of the applicable landfill surface leak limits. 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 and 40 CFR Parts 60.752(b)(2)(ii-iii) and 60.753(d-f))

VI. Permit Conditions

Condition # 10164

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

20. The combined landfill gas flow rate to all the Flares (A-7, A-8, and A-9) shall not exceed 2155 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)

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For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

21. The concentration of total reduced sulfur compounds in the collected landfill gas shall not exceed 265 ppmv of TRS expressed as H_2S, averaged over any consecutive rolling 12-month period. Total reduced sulfur compounds in the collected landfill gas shall be monitored, in accordance with the procedures below, to demonstrate compliance with this part and as a surrogate for monitoring sulfur dioxide in control systems exhaust. (Basis: Cumulative Increase and Regulations 2-5-302 and 2-6-503, and AB2588 Air Toxics Hot Spots Act)
    a. On a monthly basis, the owner/operate shall analyze the landfill gas at the header to each flare for total reduced sulfur compounds by either using (1) laboratory methods that analyze for the sulfur compounds listed in Part 31 or (2) Draeger tubes that measure for hydrogen sulfide concentration and multiplying this measured H2S concentration by 1.05 to calculate TRS concentration. The Part 31 annual gas characterization analysis may be used as the monthly analysis for the month in which the samples are collected.
    b. The owner/operator shall record the measured concentrations for each month, shall calculate and record the average monthly TRS concentration for the three flares, and shall calculate and record the annual average TRS concentration for each consecutive rolling 12-month period. Until 12 months of data are available, the owner/operator shall compare the flow weighted average sulfur content measured pursuant to Part 31 to a limit of 265 ppmv of TRS expressed as H2S.

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Condition # 10164

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

*22. The owner/operator shall ensure that fugitive toxic air contaminant (TAC) emissions from S-1 do not exceed any of the emission rate limits listed below. In addition, the landfill gas generation rate for this landfill shall not exceed an annual average of 6600 scfm and the fugitive landfill gas emission rate shall not exceed an annual average of 1650 scfm. The owner/operator shall demonstrate compliance with these limits using the following procedures.
(Basis: Regulation 2-5-302 and AB2588 Air Toxics Hot Spots Act)

a. The owner/operator shall compare the concentration measured for each TAC, pursuant to the Part 31 annual landfill gas characterization analysis, to the concentration limit listed below. If this annual testing is conducted on more than one flare, the owner/operator shall calculate a flow weighted average concentration for each TAC, and shall compare this average TAC concentration to the limits below. Compliance with the TAC concentration limits shall demonstrate compliance with the associated fugitive TAC emission rate limit.

b. If the concentration of a TAC exceeds the concentration limit listed below, this excess shall be deemed to be a violation of this permit condition, unless the owner/operator satisfies the following requirement. The owner/operator shall, within 30 days of receiving test results showing an excess of a TAC concentration limit below, submit documentation to the District that demonstrates – to the District's satisfaction – that the higher measured concentration level has not resulted in an excess of the associated annual fugitive emission rate limit using District-approved calculation procedures consistent with the LANDGEM inputs and calculation procedures used to establish these limits pursuant to Application # 26100.

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Condition # 10164

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

Compound	Concentration (ppbv)	Emissions pounds/year
Acrylonitrile	100	12
Benzene	3000	525
Carbon Tetrachloride	50	17
Chloroform	50	13
1,4 Dichlorobenzene	900	296
Ethylbenzene	7000	1665
Ethylene Dibromide	50	21
Ethylene Dichloride	400	89
Ethylidene Dichloride	50	11
Methylene Chloride	1000	190
Perchloroethylene	600	223
1,1,2,2 Tetrachloroethane	50	19
Trichloroethylene	400	118
Vinyl Chloride	300	42
Carbon disulfide	500	85
Chlorobenzene	500	126
Ethyl chloride	1000	145
Hexane	5000	966
Hydrogen sulfide	265000	20235
Isopropyl alcohol	60000	8080
Methyl ethyl ketone	40000	6463
1,1,1 Trichloroethane	500	149
Toluene	30000	6194
Vinylidene chloride	500	109
Xylenes	30000	7137

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For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

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.
    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: Regulations 2-5-301 and 8-34-301.3 and NSPS: 40 CFR 60.752(b)(2)(iii)(B) and 60.758(c)(1)(i))

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)

Condition # 10164

VI. Permit Conditions

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

28. Nitrogen Oxide (NO_x) emissions from Flares A-7, A-8, or A-9 shall not exceed 0.052 pounds of NO_x (calculated as NO_2) 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_x, corrected to 3% oxygen, dry basis. An exhaust concentration measurement of more than 39 ppmv of NO_x shall not be deemed a violation of this part, if the Permit Holder can demonstrate that NO_x emissions did not exceed 0.052 lbs/MM BTU during the test period. (Basis: RACT and Offsets)

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 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_2), nitrogen (N_2), oxygen (O_2), methane (CH_4), 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_x, CO, CH_4, NMOC, and O_2 in the flare stack gas;
    f. emission rate per heat input (pounds/MM BTU) for NO_x and CO

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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))

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 header for each flare 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. For comparison to the limits in Parts 21 and 22, the Permit Holder shall calculate the flow weighted average TRS concentration and the flow weighted average concentration for each TAC listed in Part 22 using the measured TRS and TAC concentrations in landfill gas at the inlet to each flare and the landfill gas flow rate to each flare during the test. 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: Cumulative Increase and Regulations 2-5-302, 8-34-412, and 9-1-302)

<u>Sulfur Compounds</u>
carbon disulfide
carbonyl sulfide
dimethyl sulfide
ethyl mercaptan
hydrogen sulfide
methyl mercaptan

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Condition # 10164

For: S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY: A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES:

Organic Compounds	Organic Compounds
acrylonitrile	hexane
benzene	isopropyl alcohol
carbon tetrachloride	methyl ethyl ketone
chlorobenzene	methylene chloride
chloroethane	perchloroethylene
chloroform	toluene
1,1 dichloroethane	1,1,1 trichloroethane
1,1 dichloroethene	1,1,2,2 tetrachloroethane
1,2 dichloroethane	trichloroethylene
1,4 dichlorobenzene	vinyl chloride
ethylbenzene	xylenes
ethylene dibromide	

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)

33. The annual report required by BAAQMD Regulation 8-34-411 shall be submitted in two semi-annual increments. The reporting periods and report submittal due dates for the Regulation 8-34-411 report shall be synchronized with the reporting periods and report submittal due dates for the semi-annual MFR Permit monitoring reports that are required by Section I.F. of the MFR Permit for this site. (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 6-1-301, 6-1-305, 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, 6-1-301, and 6-1-305)

VI. Permit Conditions

Condition # 26216
FOR: S-5 NON-RETAIL GASOLINE DISPENSING STATION - G # 8524:

This facility's annual gasoline throughput shall not exceed 400,000 gallons in any consecutive 12-month period. [Basis: Regulations 2-2-302: Offsets and 2-5-302]

Condition # 25107
FOR: S-5 NON-RETAIL GASOLINE DISPENSING STATION - G # 8524:

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

The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within thirty (30) days of testing. Start-up test results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 375 Beale Street, Suite 600, San Francisco CA 94105). [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 – WASTE DECOMPOSITION PROCESS; ABATED BY A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 Los Trancos Canyon Landfill – Waste Decomposition Process; Abated by A-7 Landfill Gas Flare, A-8 Landfill Gas Flare, and A-9 Landfill Gas Flare; S-21 Los Trancos Canyon Landfill – Waste and Cover Material Dumping; and S-22 Los Trancos Canyon Landfill – Excavating, Bulldozing, and Compacting Activities

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installa-tion Dates	BAAQMD 8-34-304.3	Y		For Any Uncontrolled Areas or Cells: collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 tons of decomposable waste	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 10164, Part 15	P/E	Records
Collection System Installa-tion Dates	40 CFR 60.753 (a)(2) and 60.755 (b)(2)	Y		For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	40 CFR 60.758(a), (d)(1) and (d)(2), and 60.759(a)(3)	P/E	Records
Collection System Installa-tion Dates	40 CFR 60.753 (a)(1) and 60.755 (b)(1)	Y		For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	40 CFR 60.758(a), (d)(1) and (d)(2)	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Flow	BAAQMD 8-34-301 and 301.1 and BAAQMD Condition # 10164, Parts 18 and 19	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD Condition # 10164, Parts 26 and 27	C	Gas Flow Meter and Recorder, Automatic Shut-Off Valves, and Alarms
Gas Flow	BAAQMD 8-34-301 and 301.1	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD 8-34-501.10 and 508	C	Gas Flow Meter and Recorder (every 15 minutes)
Gas Flow	40 CFR 60.752 (b)(2)(iii) and 60.753(a) and (e)	Y		Operate a Collection System in each area or cell, vent all collected gases to a properly operating control system, and operate control system at all times when gas is vented to it	40 CFR 60.756(b)(2)(i) and 60.758(c)(2)	C	Gas Flow Meter and Recorder (every 15 minutes)
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		For Collection and Control Systems: $\leq$ 240 hours per year and $\leq$ 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 LOS TRANCOS CANYON LANDFILL – WASTE DECOMPOSITION PROCESS; ABATED BY A-7 LANDFILL GAS FLARE, A-8 LANDFILL GAS FLARE, AND A-9 LANDFILL GAS FLARE; S-21 LOS TRANCOS CANYON LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-22 LOS TRANCOS CANYON LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Startup Shutdown or Malfunc-tion	40 CFR 60.755(e)	Y		For Collection System: ≤ 5 days per event	40 CFR 60.7(b), 60.757(f)(2)and (f)(4)	P/D	Operating Records (all occurrences and duration of each)
Control System Startup Shutdown or Mal-function	40 CFR 60.755(e)	Y		For Control System: ≤ 1 hour per event	40 CFR 60.7(b), 60.757(f)(2) and (f)(3)	P/D	Operating Records (all occurrences and duration of each)
Startup Shutdown or Mal-function Pro-cedures	40 CFR 63.6(e)	Y		Minimize Emissions by Implementing SSM Plan	40 CFR 63.1980(a-b)	P/E	Records (all occurrences, duration of each, corrective actions)
Periods of Inopera-tion for Para-metric Monitors	BAAQMD 1-523.2	Y		≤ 15 consecutive days per incident and ≤ 30 calendar days per 12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors
Contin-uous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Wellhead Pressure	BAAQMD 8-34-305.1	Y		< 0 psig (Applies to all wells that are connected to the vacuum system)	BAAQMD 8-34-414, 501.9 and 505.1	P/M	Monthly Inspection and Records
Wellhead Pressure	40 CFR 60.753(b)	Y		< 0 psig (Applies to all wells that are connected to the vacuum system)	40 CFR 60.755(a)(3), 60.756(a)(1), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Temper-ature of Gas at Wellhead	BAAQMD 8-34-305.2	Y		< 55 ^{o}C (Applies to all wells that are connected to the vacuum system)	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly Inspection and Records
Temper-ature of Gas at Wellhead	40 CFR 60.753(c)	Y		< 55 ^{o}C (Applies to all wells that are connected to the vacuum system)	40 CFR 60.755(a)(5), 60.756(a)(3), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Gas Concen-trations at Wellhead	BAAQMD 8-34-305.3 or 305.4	Y		N_2 < 20% **OR** O_2 < 5% (Applies to all wells that are connected to the vacuum system, except for wells identified in Condition # 10164, Parts 18b(i) or 18(d)(i))	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	P/M	Monthly Inspection and Records

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Concen-trations at Wellhead	40 CFR 60.753(c)	Y		$N_2 < 20\%$ **OR** $O_2 < 5\%$ (Applies to all wells that are connected to the vacuum system, except for wells identified in Condition # 10164, Parts 18b(i) or 18(d)(i))	40 CFR 60.755(a)(5), 60.756(a)(2), and 60.758(c) and (e)	P/M	Monthly Inspection and Records
Gas Concen-trations at Wellhead	BAAQMD Condition # 10164, Part 18b(i) and 18d)(i)	Y		$O_2 \leq 15\%$ (Applies to wells identified in Condition # 10164, Part 18b(i) and 18(d)(i) that are connected to the vacuum system)	BAAQMD Condition # 10164, Part 18b(ii and iii)	P/M	Monthly Inspection and Records
Well Shutdown Limits	BAAQMD 8-34-116.2	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-116.3	Y		$\leq$ 24 hours per well	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.4	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-117.6 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.5	Y		$\leq$ 24 hours per well or $\leq$ 5 days per well for component replacements	BAAQMD 8-34-117.6 and 501.1	P/D	Records

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

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

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC	BAAQMD 8-34-303 and Condition # 10164, Part 18c(iv)	Y		Surface Leak Limit: ≤ 500 ppmv as methane at 2 inches above surface (Applies to surface vicinity near wells identified in Condition # 10164, Part 18b(i) that are complying with an alternative wellhead oxygen standard instead of the 8-34-305.4 limit)	Condition # 10164, Part 18b(iv-vi)	P/M	Monthly Inspection with OVA of Surface (3 points within 15 m of well), Various Reinspection Times for Leaking Areas, and Records
Non-Methane Organic Com-pounds (NMOC)	BAAQMD 8-34-301.3	Y		≥ 98% removal by weight OR < 30 ppmv dry @ 3% O_2, expressed as methane	BAAQMD 8-34-412 and BAAQMD Condition # 10164, Part 30	P/A	Initial and Annual Source Tests
NMOC	40 CFR 60.752(b)(2)(iii)(B)	Y		≥ 98% removal by weight OR < 20 ppmv dry @ 3% O_2, expressed as hexane	40 CFR 60.8 and 60.752(b)(2)(iii)(B) and 60.758 (b)(2)(ii) and BAAQMD Condition # 10164, Part 30	P/A	Initial and Annual Source Tests

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

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Amount of Contami-nated Soil Aerated or Used as Cover	BAAQMD Condition # 10164, Part 13b	Y		$\leq$ 118.75 tons per day and $\leq$ 31,800 tons per year of soil containing VOCs, OR $\leq$ 11.9 pounds per day of VOC emissions and $\leq$ 3180 pounds per year of VOC emissions	BAAQMD Condition # 10164, Parts 13b and 14m	P/E	Calculations and Records
Amount of Contami-nated Soil Aerated or Used as Cover	BAAQMD 8-40-116.1 and BAAQMD Condition # 10164, Parts 13a and 14	Y		$\leq$ 1 cubic yard per project	BAAQMD Condition # 10164, Part 14m	P/E	Records
Amount of Contami-nated Soil Aerated or Used as Cover	BAAQMD 8-40-116.2 and BAAQMD Condition # 10164, Parts 13a and 14	Y		$\leq$ 8 cubic yards per project, provided organic content $\leq$ 500 ppmw and limited to 1 exempt project per 3 month period	BAAQMD 8-40-116.2 and BAAQMD Condition # 10164, Part 14m	P/E	Records

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Amount of Contami-nated Soil Aerated or Used as Cover	BAAQMD 8-40-301 and BAAQMD Condition # 10164, Parts 13a and 14	Y		Prohibited for Soil with Organic Content >50 ppmw unless exempt per BAAQMD 8-40-116, 117, or 118	BAAQMD Condition # 10164, Part 14m	P/E	Records
Amount of Acci-dental Spillage	BAAQMD 8-40-117 and BAAQMD Condition # 10164, Parts 13a and 14	Y		Soil Contaminated by Accidental Spillage of $\leq$ 5 Gallons of Liquid Organic Compounds	None	N	NA
Total Aeration Project Emissions	BAAQMD 8-40-118 and BAAQMD Condition # 10164, Parts 13a and 14	Y		$\leq$ 150 pounds per project and toxic air contaminant emissions per year < BAAQMD Table 2-5-1 limits	BAAQMD Condition # 10164, Part 14m	P/E	Records
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		For Landfill Operations: $\leq$ Ringelmann No. 1 for 3 minutes in any hour	BAAQMD Condition # 10164, Part 12	P/D	Records of Water and Dust Suppressant Application

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		For Flares: ≤ Ringelmann No. 1 for 3 minutes in any hour	None	N	NA
FP	BAAQMD 6-1-310 and SIP 6-310	Y		≤ 0.15 grains/dscf	None	N	NA
Waste Received	BAAQMD Condition # 10164, Part 2	Y		≤ 3,598 tons per day and ≤ 835,000 tons per 12-month period	BAAQMD Condition # 10164, Part 12	P/D	Records
Cumula-tive Waste In-Place	BAAQMD Condition # 10164, Part 2	Y		≤ 26,500,000 tons (≤24,000,000 Mg)	BAAQMD Condition # 10164, Parts 12 and 15	P/D	Records of Waste Placed in Landfill
Design Capacity	BAAQMD Condition # 10164, Part 2	Y		≤ 49,000,000 yd^3 (≤ 37,500,000 m^3) of all wastes and cover materials (excluding final cover)	BAAQMD Condition # 10164, Parts 12, 14m, and 15	P/D	Records of Materials Placed in Landfill
Unpaved Road Length	BAAQMD Condition # 10164, Part 5	Y		≤ 1200 feet from paved haul road to working face	BAAQMD Condition # 10164, Part 12	P/E	Site Maps
Vehicle Speed	BAAQMD Condition # 10164, Part 6	Y		≤ 10 mph on unpaved roads	None	N	NA

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Dust Suppress-ant Applica-tion Rate for Unpaved Roads	BAAQMD Condition # 10164, Part 7	Y		≥ 0.5 gallons per square yard of 10% magnesium chloride applied once per calendar month between May 1 and November 1 and once every 30 consecutive dry days between November 1 and May 1	BAAQMD Condition # 10164, Part 12	P/E	Records
Water Applica-tion Rate for Unpaved Roads	BAAQMD Condition # 10164, Part 7	Y		≥ four times per day on dry days and as needed on wet days	BAAQMD Condition # 10164, Part 12	P/D	Records
Cleaning Rate for Paved Roads	BAAQMD Condition # 10164, Part 8	Y		sweep and wash twice per week or as necessary	BAAQMD Condition # 10164, Part 12	P/E	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9a	Y		≤ 178 round trips per day for transfer trucks	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9b	Y		≤ 52 round trips per day for packer trucks	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9c	Y		≤ 36 round trips per day for water trucks	BAAQMD Condition # 10164, Part 12	P/D	Records

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9d	Y		≤ 200 round trips per day for soil trucks	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9e	Y		≤ 60 round trips per day for miscellaneous heavy equipment	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Volume	BAAQMD Condition # 10164, Part 9f	Y		≤ 250 round trips per day for light duty vehicles (excluding employee vehicles)	BAAQMD Condition # 10164, Part 12	P/D	Records
Truck Traffic Trip Length	BAAQMD Condition # 10164, Part 10	Y		≤ 8000 feet (one way) on paved roads for all heavy-duty vehicles except water trucks, fuel trucks, and employee light duty vehicles	BAAQMD Condition # 10164, Part 12	P/E	Site Maps
Truck Traffic Trip Length	BAAQMD Condition # 10164, Part 10a	Y		≤ 11,700 feet (one-way) for water trucks (≤ 36 round trips per day)	BAAQMD Condition # 10164, Part 12	P/E,D	Site Maps and Records
Truck Traffic Trip Length	BAAQMD Condition # 10164, Part 10b	Y		≤ 11,700 feet (one-way) for fuel trucks (≤ 2 round trips per day)	BAAQMD Condition # 10164, Part 12	P/E,D	Site Maps and Records
Truck Traffic Trip Length	BAAQMD Condition # 10164, Part 10c	Y		≤ 11,700 feet (one-way) for employee light duty vehicles (≤ 20 round trips per day)	BAAQMD Condition # 10164, Part 12	P/E,D	Site Maps and Records

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤0.5 ppm for 3 min., ≤0.25 ppm for 60 min, ≤0.05 ppm for 24 hrs.	None	N	NA
SO_2	BAAQMD 9-1-302	Y		In Exhaust Gases From Flares: ≤ 300 ppm (dry)	BAAQMD Condition # 10164, Parts 21 and 31	P/A	Sulfur Analysis of Landfill Gas
H_2S	BAAQMD 9-2-301	N		Property Line Ground Level Limits: ≤ 0.06 ppm averaged over 3 minutes and ≤ 0.03 ppm averaged over 60 minutes	None	N	NA
Total Reduced Sulfur Content	BAAQMD Condition # 10164, Part 21	Y		Average TRS Concentration In Collected Landfill Gas: ≤ 265 ppmv TRS, expressed as H_2S, averaged over any consecutive 12-month period	BAAQMD Condition # 10164, Part 21	P/M	Sulfur Analysis of Landfill Gas
Operating Time	BAAQMD Condition # 10164, Part 1	N		Monday through Saturday	BAAQMD Condition # 10164, Part 12	P/D	Records

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Flow Rate	BAAQMD Condition # 10164, Part 20	Y		To All Flares Combined: ≤ 2155 million scf Per 12-month period Of landfill gas with 50% methane (dry basis), at 70 °F and 1 atm	BAAQMD Condition # 10164, Part 20	P/M	Records
Toxic Air Contam-inants (TACs)	BAAQMD Condition # 10164, Part 22	N		Concentration Limits for TACs in Landfill Gas: Compound — PPBV acrylonitrile 100 benzene 3000 carbon tetrachloride 50 chloroform 50 1,4 dichlorobenzene 900 ethylbenzene 7000 ethylene dibromide 50 ethylene dichloride 400 ethylidene dichloride 50 methylene chloride 1000 perchloroethylene 600 1,1,2,2 tetrachloroethane 50 trichloroethylene 400 vinyl chloride 300 carbon disulfide 500 chlorobenzene 500 ethyl chloride 1000 hexane 5000 hydrogen sulfide 265000 isopropyl alcohol 60000 methyl ethyl ketone 40000 1,1,1 trichloroethane 500 toluene 30000 vinylidene chloride 500 xylenes 30000 OR Annual Fugitive Emission Rate Limit Compound — pounds/year acrylonitrile 12 benzene 525	BAAQMD Condition # 10164, Part 31	P/A	Landfill Gas Analysis

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Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
				carbon tetrachloride 17 chloroform 13 1,4 dichlorobenzene 296 ethylbenzene 1665 ethylene dibromide 21 ethylene dichloride 89 ethylidene dichloride 11 methylene chloride 190 perchloroethylene 223 1,1,2,2 tetrachloroethane 19 trichloroethylene 118 vinyl chloride 42 carbon disulfide 85 chlorobenzene 126 ethyl chloride 145 hexane 966 hydrogen sulfide 20235 isopropyl alcohol 8080 methyl ethyl ketone 6463 1,1,1 trichloroethane 149 toluene 6194 vinylidene chloride 109 xylenes 7137			
NO_x	BAAQMD Condition # 10164, Part 28	Y		For Flares (A-7, A-8, and A-9): $\leq$ 39 ppmv at 3% O_2, dry, in flare exhaust, unless each flare emits $\leq$ 0.052 pounds (as NO_2) / MM BTU	BAAQMD Condition # 10164, Part 30	P/A	Annual Source Tests
CO	BAAQMD Condition # 10164, Part 29	Y		For Flares (A-7, A-8, and A-9): $\leq$ 184 ppmv at 3% O_2, dry, in flare exhaust, unless each flare emits $\leq$ 0.15 pounds / MM BTU	BAAQMD Condition # 10164, Part 30	P/A	Annual Source Tests

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Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-5 NON-RETAIL GASOLINE DISPENSING FACILITY – G # 8524

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Through-put	BAAQMD Condition # 26216	Y		≤ 400,000 gallons per 12-month period	SIP 8-5-501.1 and BAAQMD 8-7-503.1	P/A	Records
Through-put (exempt from Phase I)	BAAQMD 8-7-114	Y		≤ 1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501.1 and 8-7-503.2	P/E	Records
Organic Com-pounds	BAAQMD 8-7-301.2	Y		All Phase I Systems Shall Meet the Emission Limitations of the Applicable CARB Certification	CARB EO G-70-116-F	P?E	CARB Certification Procedures
Organic Com-pounds	BAAQMD 8-7-301.6	Y		All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤3 drops/minute) and vapor tight	CARB EO G-70-116-F, paragraph 19, BAAQMD 8-7-301.13 and 8-7-407, and BAAQMD Condition # 25107 and 40 CFR Part 63 Subpart CCCCCC	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

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Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-5 NON-RETAIL GASOLINE DISPENSING FACILITY – G # 8524

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Com-pounds	BAAQMD 8-7-302.5	Y		All Phase II Equipment (except components with allowable leak rates or at the nozzle/fill-pipe interface) Shall Be: leak free (≤3 drops/minute) and vapor tight	CARB EO G-70-116-F, paragraph 19, BAAQMD 8-7-301.13 and 8-7-407, and BAAQMD Condition # 25107	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Com-pounds	SIP 8-5-303.2	Y		Tank Pressure Vacuum Valve Shall Be: Gas Tight or ≤ 500 ppmv (expressed as methane) above background for PRVs (as defined in SIP 8-5-206)	SIP 8-5-403 and 8-5-503	P/E	Semi-Annual Inspection with Portable Hydro-carbon Detector
Organic Com-pounds	CARB EO G-70-116-F, paragraph 10	N		Any Emergency Vent or Manway Shall Be: Leak Free	CARB EO G-70-116-F, paragraph 19, BAAQMD 8-7-301.13 and 8-7-407, and BAAQMD Condition # 25107	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

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Applicable Limits and Compliance Monitoring Requirements
S-5 NON-RETAIL GASOLINE DISPENSING FACILITY – G # 8524

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Defective Component Repair/ Replacement Time Limit	BAAQMD 8-7-302.4	Y		≤ 7 days	BAAQMD 8-7-503.2	P/E	Records
Liquid Removal Rate	BAAQMD 8-7-302.8	Y		≥ 5 ml per gallon dispensed, when dispensing rate > 5 gallons/minute	CARB CP-206	P/E	CARB Certification Procedures
Liquid Retain from Nozzles	BAAQMD 8-7-302.12	Y		≤ 100 ml per 1000 gallons dispensed	CARB CP-206	P/E	CARB Certification Procedures
Nozzle Spitting	BAAQMD 8-7-302.13	Y		≤ 1.0 ml per nozzle per test	CARB CP-206	P/E	CARB Certification Procedures
Pressure-Vacuum Valve Settings	BAAQMD 8-7-316 and CARB EO G-70-116-F, paragraph 14	Y		Pressure Setting: ≥ 2.5 inches of water, gauge	CARB CP-206	P/E	CARB Certification Procedures
Pressure-Vacuum Valve Settings	SIP 8-5-303.1	Y		Pressure Setting: 10% of maximum working pressure or at least 0.5 psig	SIP 8-5-403 and CARB CP-206	P/E	Semi-Annual Inspection and CARB Certification Procedures

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 Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Discon-nection Liquid Leaks	CARB EO G-70-116-F, paragraph 12	N		$\leq$ 10 ml per disconnect, averaged over 3 disconnect operations	CARB EO G-70-116-F, paragraph 19, BAAQMD 8-7-301.13 and 8-7-407, and BAAQMD Condition # 25107	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

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 6-1-301 and SIP 6-301	Y		≤ Ringelmann No. 1 for 3 minutes in any hour	BAAQMD Condition # 16315, Parts 2 and 7d	C, P/E	Visual Observation of Source in Operation and Records of Water Application
Waste Received	BAAQMD Condition # 16315, Part 1	Y		≤ 480 tons per day and ≤ 70,000 tons per 12-month period	BAAQMD Condition # 16315, Parts 7a-b	P/E	Records of Amount of Waste Received
Waste Storage Time	BAAQMD Condition # 16315, Parts 3-4	N		≤ 72 hours from time of receipt or placement	BAAQMD Condition # 16315, Parts 7a-c	P/E	Records of Date and Time for Waste Receipt and Processing
Odorous Stockpile Storage Time	BAAQMD Condition # 16315, Part 5	N		≤ 24 hours from the time the stockpile is deemed "odorous"	BAAQMD Condition # 16315, Parts 7a-c	P/E	Records of Date and Time for Waste 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 6-1-301 and SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; or US EPA Reference Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources
BAAQMD 6-1-310 and SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling; or For combustion equipment: US EPA Reference Method 5 Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 8-2-301 and SIP 8-2-301	Total Carbon Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or US EPA Reference Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or US EPA Reference Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
SIP 8-5-303.2	Gas Tight Requirement for PRV	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-7-301.6	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or CARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.5	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or CARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.8	Liquid Removal Rate	Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility Liquid Removal Devices or CARB Test Method TP-201.6 Determination of Liquid Removal of Vapor Recovery Systems of Dispensing Facilities

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-7-302.12	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet); or CARB Test Method TP-201.2E Determination of Gasoline Liquid Retention in Nozzles and Hoses
BAAQMD 8-7-302.13	Nozzle Spitting	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses (this method has not been approved yet); or CARB Test Method TP-201.2E Determination of Gasoline Liquid Retention in Nozzles and Hoses
BAAQMD 8-34-301.2	Collection and Control System Component Leak Limitations	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.3	Limits for Flares	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or US EPA Reference Method 18, 25, 25A, or 25C
BAAQMD 8-34-303	Landfill Surface Leak Limitation	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-305.1	Wellhead Gauge Pressure	APCO Approved Device
BAAQMD 8-34-305.2	Wellhead Temperature	APCO Approved Device
BAAQMD 8-34-305.3	Wellhead Nitrogen	US EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-305.4	Wellhead Oxygen	US EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-412	Compliance Demonstration Test	US EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
BAAQMD 8-40-116.2	Organic Content Limit for Small Volume Exemption	BAAQMD 8-40-601 and US EPA Reference Methods 8015B and 8021B
BAAQMD 8-40-301	Limits on Uncontrolled Aeration of Contaminated Soil	BAAQMD 8-40-601 and US EPA Reference Methods 8015B and 8021B; or US EPA Reference Method 21
BAAQMD 9-1-301	Limitations on Ground Level Concentrations (SO_2)	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-1-302	General Emission Limitation (SO_2)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling
BAAQMD 9-2-301	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
40 CFR 60.8	Performance Tests	US EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
40 CFR 60.752 (b)(2)(iii)(B)	NMOC Outlet Concentration and Destruction Efficiency Limits	US EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
40 CFR 60.753(b)	Wellhead Pressure	APCO Approved Device
40 CFR 60.753(c)	Temperature, N_2, and O_2 concentration in wellhead gas	US EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
40 CFR 60.753(d)	Methane Limit at Landfill Surface	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
40 CFR 60.758(c)(1)(i)	Flare Combustion Zone Temperature Limit	Temperature Monitor and continuous recorder meeting the requirements of 40 CFR Part 60.756(b)(1)
BAAQMD Condition # 10164, Part 13b and Part 14	Acceptance Criteria for VOC Contaminated Soil	US EPA Reference Methods 8015B, 8021B, or any method determined to be equivalent by the US EPA and approved by the APCO
BAAQMD Condition # 10164, Part 18b(i)	Wellhead Oxygen	US EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 10164, Part 18b(iv)	Landfill Surface Leak Limitations	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD Condition # 10164, Part 18c(iv)	Component Leak Monitoring Requirements for Temporarily Disconnected Components	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD Condition # 10164, Part 20a	Methane Content of Landfill Gas	US EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
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	US 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_x Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; or US 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 US EPA Reference Method 10 and APCO Approved Calculation Procedure

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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 US 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	US 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
BAAQMD Condition # 25107	Static Pressure Testing Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or CARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
CARB EO G-70-116-F, paragraph 10	Leak Free Emergency Vent or Manway	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or CARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
CARB EO G-70-116-F, paragraph 12	Disconnection Liquid Leaks for Phase I Systems	BAAQMD Enforcement Division, Policies and Procedures, Regulation 8, Rule 33, Bulk Gasoline Distribution Facilities and Gasoline Delivery Vehicles Guidelines, Section 5.B.1, or CARB TP 201.2B Determination of Pressure Integrity of Vapor Recovery Equipment

IX. PERMIT SHIELD

Not Applicable

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.
- Modify Condition #10164 by:

X. REVISION HISTORY

  - 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.
- 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.

X. REVISION HISTORY

- 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.
- 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.

X. REVISION HISTORY

- 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 $\geq$ or $\leq$ 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.

Administrative Amendment (Application # 20765): **October 20, 2009**

- Change Responsible Official and Plant Contact.

X. REVISION HISTORY

Administrative Amendment (Application # 19939): **May 18, 2010**

- Change Responsible Official on the title page.
- Update the landfill gas collection system description in Table II-A and in Section VI: Condition #10164 (Part 17) to include all alterations completed to date.
- Revise Condition #10164 (Part 19) to allow venting of collected landfill gas to a new off-site landfill gas energy facility.
- In Condition #10164 (Parts 21, 22, and 31) and in Table VII-A, clarify the limits, sampling locations, testing requirements, and calculation procedures related to the monitoring of TRS and TAC concentrations in landfill gas.
- Revise Conditions #7523 and #16516 in accordance with new BAAQMD standard permit condition language for non-retail gasoline dispensing facilities.
- Update regulatory amendment dates in Section I.A, Table III, and Table IV-A.
- Add new BAAQMD rules to Tables III, IV-A, and IV-C.
- Correct regulatory citations in Tables III, IV-A, IV-B, IV-C, VII-A, VII-C, and VIII and in the bases of: Condition #7523, Condition #10164 (Parts 4, 19, 22, 23 and 31), Condition #16315 (Parts 2 and 7), and Condition #16516.
- In Section XI, add text to explain that the BAAQMD Toxic Risk Management Policy has been replaced by BAAQMD Regulation 2, Rule 5.

Minor Revision (Application # 23392): **March 26, 2012**

- In Section I.A, update regulatory amendment dates and add missing BAAQMD and SIP regulations.
- Incorporate source number changes into this permit that were implemented pursuant to the BAAQMD annual permit renewal process. The active landfill, S-1, was split into three sources (S-1, S-21, and S-22) that represent different processes and activities that occur at active landfills. The new source numbers were added to Tables II-A, IV-A, VII-A, and Condition #10164.
- Update the landfill gas collection system description and the list of authorized alterations in Table II-A and Condition #10164, Parts 17 and 18.
- In Table III, update regulatory amendment dates and add a missing SIP requirement.

X. REVISION HISTORY

- In Table IV-A, update regulatory amendment dates, correct the descriptions for several BAAQMD Regulation 8, Rule 34 requirements, add several missing requirements from 40 CFR Part 63, Subpart A, and correct an applicable requirement from 40 CFR, Part 63, Subpart AAAA.
- Update Section X Revision History

Renewal (Application # 24335): **March 14, 2014**

- On Title Page, update plant contact information.
- In Section I.A, update regulatory amendment dates.
- In Section I.B.1 and I.F, update applicable permit dates and remove obsolete reporting dates.
- In Table II-A, update gas collection system description and add detail to the descriptions of S-21 and S-22.
- Add Table II-C Significant Sources for the future identification of such sources.
- Add Table II-D Exempt Equipment to identify equipment that is exempt from Title V permitting requirements.
- In Table III, update regulatory amendment dates and remove the ATCM for Stationary Compression Ignition Engines, because it only applies to permitted sources and would be listed in Table IV whenever it is applicable.
- In Table IV-A, update regulatory amendment dates.
- In Table IV-B, add missing requirements from SIP Regulation 8, Rule 5, remove a duplicate requirement, add new NESHAPs (40 CFR Part 63 Subparts A and CCCCCC) for Gasoline Dispensing Facilities, and correct permit conditions.
- In Section VI, Condition # 10164, Part 2 and in Table VII-A, incorporate waste-in-place limit revision approved pursuant to NSR Application #25654.
- In Section VI, Condition # 10164, Part 13 and in Table VII-A, add alternative emission limits and emission calculation procedures to the current VOC-laden soil acceptance limits.
- In Section VI, Condition # 10164, update gas collection system description in Part 17 and remove obsolete wells from Part 18(b)(i).
- In Section VI, remove the obsolete conditions for the S-5 GDF (Conditions # 7523 and # 16516) and add new conditions for S-5 (Conditions # 14098 and 25107).

X. REVISION HISTORY

- In Table VII-B, correct throughput limit per new Condition # 14098, correct condition number citations, add a missing emission limit citation and correct monitoring citations for several existing limits.
- In Table VIII, add missing requirements and the associated test methods, add EPA and CARB test methods, correct several existing test method descriptions, and correct condition number citation.
- Update revision history in Section X.
- Add terms to glossary in Section XI.

Minor Revision (Application # 26101): **September 22, 2016**

- Change the Responsible Official, update Facility Contact, and correct BAAQMD Contact on Title Page.
- Correct addresses on Title Page and in Sections I.F and I.G.
- Update landfill gas collection system description in Condition # 10164, Part 17 and in Table II-A.
- Add less than continuously operating components to Table II-A, and add operating criteria for these components to Condition # 10164, Part 18d and Table VII-A.
- Revise landfill gas limits in Condition #10164, Parts 20-22, and revise these limits in Tables IV-A and VII-A.
- Update Condition #10164, Parts 18 and 30.
- For S-5, replace Condition # 14098 with Condition # 26216 and update Tables IV-B and VII-B.
- Add this minor revision to Section X.

Administrative Amendment (Application # 30549): **June 29, 2020**

- Change Responsible Official on the Title page.
- Correct the Facility Name:
  Browning-Ferris Industries of California, Inc. –
  Ox Mountain Landfill

XI. GLOSSARY

ACT
Federal Clean Air Act

AP-42
An EPA Document "Compilation of Air Pollution Emission Factors" that is used to estimate emissions from numerous source types. It is available electronically from EPA's web site at: http://www.epa.gov/ttn/chief/ap42/index.html

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

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

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

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

BFI
Browning-Ferris Industries

XI. Glossary

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

C6
An Organic chemical compound with six carbon atoms

C_6H_6
Benzene

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CARB
California Air Resources Board (same as ARB)

CCR
California Code of Regulations

CEC
California Energy Commission

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

CEQA
California Environmental Quality Act

XI. Glossary

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

CH4 or CH_4
Methane

CI
Compression Ignition

CIWMB
California Integrated Waste Management Board

CO
Carbon Monoxide

CO2 or CO_2
Carbon Dioxide

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

CT
Combustion Zone Temperature

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

District
The Bay Area Air Quality Management District

XI. Glossary

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 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 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.

FR
Federal Register

GDF
Gasoline Dispensing Facility

GHG
Greenhouse Gas

XI. Glossary

GLM
Ground Level Monitor

grains
1/7000 of a pound

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

H2S or H_2S
Hydrogen Sulfide

H2SO4 or H_2SO_4
Sulfuric Acid

H&SC
Health and Safety Code

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

LEA
Local Enforcement Agency

LFG
Landfill gas

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

XI. Glossary

Long ton
2200 pounds

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_2
Nitrogen

NA
Not Applicable

XI. Glossary

NAAQS
National Ambient Air Quality Standards

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

NMHC
Non-methane Hydrocarbons (same as NMOC).

NMOC
Non-methane Organic Compounds (same as NMHC).

NOx or NO_x
Oxides of nitrogen.

NO2 or NO_2
Nitrogen Dioxide.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the 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 O_2
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_x, PM_{10}, and SO_2.

XI. Glossary

PERP
Portable Equipment Registration Program

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

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

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of 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 or PRV
Pressure/Vacuum Relief 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.

RICE
Reciprocating Internal Combustion Engine

XI. Glossary

RMP
Risk Management Plan

RWQCB
Regional Water Quality Control Board

S
Sulfur

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

Short ton
2000 pounds

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

SO2 or SO_2
Sulfur dioxide

SO3 or SO_3
Sulfur trioxide

SSM
Startup, Shutdown, or Malfunction

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

TAC
Toxic Air Contaminant (as identified by CARB)

XI. Glossary

TBACT
Best Available Control Technology for Toxics

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: In 1987, BAAQMD adopted a "Toxic Risk Management Policy" to implement the District's new source review requirements for new and modified sources of toxic air contaminants. The TRMP was replaced by BAAQMD Regulation 2, Rule 5 on June 15, 2005. The previous TRMP and the subsequent rule are not federally enforceable.

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

XI. Glossary

VOC
Volatile Organic Compounds

Symbols:

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

Units of Measure:

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

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Units of Measure:

M scf	=	thousand standard cubic feet
MM scf	=	million standard 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
scfm	=	standard cubic feet per minute
sdcf	=	standard dry cubic feet
sdcfm	=	standard dry cubic feet per minute
yd	=	yard
yd^3	=	cubic yards
yr	=	year