Bay Area Air Quality Management District

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

~~Final~~Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:
Kirby Canyon Landfill
Facility #A1812

Facility Address:
910 Coyote Creek Golf Drive
San Jose, CA 95198

Mailing Address:
P.O. Box 1870
Morgan Hill, CA 95038

Responsible Official	**Facility Contact**
~~Joe Morse~~Dean Kattler, ~~Site~~ General Manager (408) 779-2206	~~Joe Morse~~Dean Kattler

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Type of Facility:	Landfill	BAAQMD Permit Division Contact:
Primary SIC:	4953	Tamiko Endow, Air Quality Engineer
Product:	Non-hazardous Solid Waste	~~Ted Hull, Senior Air Quality Engineer~~

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on July 10, 2003 and expires on June 30, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than December 31, 2007, and no earlier than June 30, 2007. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** June 30, 2008**.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

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

C. Requirement to Pay Fees

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

I. Standard Conditions

Part 3, §4.12)

D. Inspection and Entry

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

E. Records

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

F. Monitoring Reports

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

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

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

I. Standard Conditions

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 July 1st to June 30th. The certification shall be submitted by July 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

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

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

H. Emergency Provisions

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

I. Severability

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

I. Standard Conditions

J. Miscellaneous Conditions

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

II. EQUIPMENT

Table II A - Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-1	Kirby Canyon Sanitary Landfill, Active Solid Waste Disposal Site with Active Landfill Gas Collection System	Type of waste accepted are Municipal Solid Wasted (MSW), Commercial, Industrial, and Construction		Max. Design Capacity = 36.4 million cubic yards refuse (27.8 million cubic meters) Max. Acceptance Rate = 2600 tons/day (except for temporary situations approved by the LEA) Est. Max. Cumulative Waste In Place = 19.84 million tons refuse Gas Collection Wells = 36 Leachate Collection Wells = 4
~~S-3~~	~~Diesel IC Engine – Flare Generator~~	~~Cummins~~	~~6BT-5.9~~	~~134 BHP, 12 gal/hr maximum fuel consumption~~
~~S-4~~	~~Diesel IC Engine – Trash Pump~~	~~Deutz~~	~~F4L912~~	~~62 BHP, 3.1 gal/hr maximum fuel consumption~~
~~S-5*~~	~~IC Engine Generator Set #1, Landfill Gas Fired~~	~~Caterpillar~~	~~G3516LE~~	~~1,148 BHP, 10.5 MMBTU/hr~~
~~S-6*~~	~~IC Engine Generator Set #1, Landfill Gas Fired~~	~~Caterpillar~~	~~G3516LE~~	~~1,148 BHP, 10.5 MMBTU/hr~~
~~S-7*~~	~~IC Engine Generator Set #1, Landfill Gas Fired~~	~~Caterpillar~~	~~G3516LE~~	~~1,148 BHP, 10.5 MMBTU/hr~~
S-8	Diesel IC Engine – Portable Air Compressor	John Deere	4045D	80 BHP, 3.3 gal/hr maximum fuel consumption

~~* Proposed Equipment. (See Authority to Construct #009220)~~

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
~~A-11~~	~~Enclosed Landfill Gas Flare with Condensate Injection System, 1,480 SCFM, 45 MMBTU/hr~~		~~BAAQMD 8-34-301.3, see also Table IV-A~~	~~Minimum combustion zone temperature of 1400 °F, see also Table VII-A~~	~~98% destruction of NMOC or < 30 ppmv of NMOC, as CH_4, at 3% O_2, dry~~
A-12	Enclosed Landfill Gas Flare with Condensate Injection System, 4500 scfm landfill gas capacity and 5 gal/min maximum condensate injection rate, 149 MMBtu/hr		BAAQMD 8-34-301.3, see also Table IV-A	Minimum combustion zone temperature of 1400 °F, see also Table VII-A	98% destruction of NMOC or < 30 ppmv of NMOC, as CH_4, at 3% O_2, dry

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 versions of the rules in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	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 (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	N
SIP Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (10/16/02)	N
SIP Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (12/9/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants - Asbestos Containing Serpentine (7/17/91)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is: 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 ACTIVE LANDFILL
~~A-11 LANDFILL GAS FLARE~~
A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limit on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	

IV. Source Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 ACTIVE LANDFILL
~~A-11 LANDFILL GAS FLARE~~
A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523.3	Reports of Violations	Y[1]	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation (applies to A-10 Flare only)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (3/22/95)**		
8-2-301	Miscellaneous Operations (applies to low VOC soil handling and disposal activities only)	Y	
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (10/6/99)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	
8-34-113.3	Recordkeeping Requirement	Y	
8-34-116	Limited Exemption, Well Raising	Y	
8-34-116.1	New Fill	Y	
8-34-116.2	Limits on Number of Wells Shutdown	Y	
8-34-116.3	Shutdown Duration Limit	Y	
8-34-116.4	Capping Well Extensions	Y	
8-34-116.5	Well Disconnection Records	Y	
8-34-117	Limited Exemption, Gas Collection System Components	Y	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	Y	
8-34-117.2	New Components are Described in Collection and Control System Design Plan	Y	
8-34-117.3	Meet 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	

IV. Source Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
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~~A-11 LANDFILL GAS FLARE~~
A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.3	Limits for Enclosed Flares	Y	
8-34-301.4	Limits for Other Emission Control Systems	Y	
8-34-303	Landfill Surface Requirements	Y	
8-34-304	Gas Collection System Installation Requirements	Y	
8-34-304.1	Based on Waste Age For Inactive or Closed Areas	Y	
8-34-304.2	Based on Waste Age For Active Areas	Y	
8-34-304.3	Based on Amount of Decomposable Waste Accepted	Y	
8-34-304.4	Based on NMOC Emission Rate	Y	
8-34-305	Wellhead Requirements	Y	
8-34-305.1	Operate Under Vacuum	Y	
8-34-305.2	Temperature < 55 °C	Y	
8-34-305.3	Nitrogen < 20% or	Y	
8-34-305.4	Oxygen < 5%	Y	
8-34-405	Design Capacity Reports	Y	
8-34-408	Collection and Control System Design Plans	Y	
8-34-408.2	Sites With Existing Collection and Control Systems	Y	
8-34-411	Annual Report	Y	

IV. Source Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
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~~A-11 LANDFILL GAS FLARE~~
A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-412	Compliance Demonstration Tests	Y	
8-34-413	Performance Test Report	Y	
8-34-414	Repair Schedule for Wellhead Excesses	Y	
8-34-414.1	Records of Excesses	Y	
8-34-414.2	Corrective Action	Y	
8-34-414.3	Collection System Expansion	Y	
8-34-414.4	Operational Due Date for Expansion	Y	
8-34-415	Repair Schedule for Surface Leak Excesses	Y	
8-34-415.1	Records of Excesses	Y	
8-34-415.2	Corrective Action	Y	
8-34-415.3	Re-monitor Excess Location Within 10 Days	Y	
8-34-415.4	Re-monitor Excess Location Within 1 Month	Y	
8-34-415.5	If No More Excesses, No Further Re-Monitoring	Y	
8-34-415.6	Additional Corrective Action	Y	
8-34-415.7	Re-monitor Second Excess Within 10 days	Y	
8-34-415.8	Re-monitor Second Excess Within 1 Month	Y	
8-34-415.9	If No More Excesses, No Further Re-monitoring	Y	
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	Y	
8-34-415.11	Operational Due Date for Expansion	Y	
8-34-416	Cover Repairs	Y	
8-34-501	Operating Records	Y	
8-34-501.1	Collection System Downtime	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.3	Continuous Temperature Records for Enclosed Combustors	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.7	Waste Acceptance Records	Y	
8-34-501.8	Non-decomposable Waste Records	Y	
8-34-501.9	Wellhead Excesses and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.12	Records Retention for 5 Years	Y	

IV. Source Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 ACTIVE LANDFILL
~~A-11 LANDFILL GAS FLARE~~
A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-505	Well Head Monitoring	Y	
8-34-506	Landfill Surface Monitoring	Y	
8-34-507	Continuous Temperature Monitor and Recorded	Y	
8-34-508	Gas Flow Meter	Y	
8-34-510	Cover Integrity Monitoring	Y	
BAAQMD Regulation 8, Rule 40	**Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)**		
8-40-110	Exemption, Storage Pile	Y	
8-40-112	Exemption, Sampling	Y	
8-40-113	Exemption, Non-Volatile Hydrocarbons	Y	
8-40-116	Exemption, Small Volume	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 A-10 Flare only)	Y	
9-1-302	General Emission Limitations (applies to A-10 Flare only)	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	

IV. Source Specific Applicable Requirements

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A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (5/4/98)**		
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operational before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	Requires multiple monitors for multiple stacks	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	
40 CFR Part 60, Subpart Cc	**Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/99)**		
60.36c(a)	Collection and Control Systems in Compliance by 30 months after Initial NMOC Emission Rate Report Shows NMOC Emissions $\geq$ 50 MG/year	Y	
40 CFR Part 62	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (9/20/01)**		
62.1115	Identification of Sources	Y	

IV. Source Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 ACTIVE LANDFILL
~~A-11 LANDFILL GAS FLARE~~
A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/94)**		
63.4	Prohibited activities and circumvention	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	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 (1/16/03)**		
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 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	

IV. Source Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 ACTIVE LANDFILL
~~A-11 LANDFILL GAS FLARE~~
A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 #1437			
Part 1	Design capacity and waste acceptance rate limits (Regulation 2-1-301)	Y	
Part 2	Handling procedures for soils containing VOCs (Regulation 8-40-301, 8-40-304, and 8-40-305)	Y	
Part 3	Low VOC soils for landfill cover (Regulations -8-40-205 and 8-40-604)	Y	
Part 4	Particulate emission control measures (Regulations 2-1-403, 6-301, and 6-305)	Y	
Part 5	Control requirements for collected landfill gas (Regulation 8-34-301)	Y	
Part 6	Landfill gas collection system description (Regulations 2-1-301, 8-34-301.1, 8-34-304, and 8-34-305)	Y	
Part 7	Landfill gas collection system operating requirements (Regulation 8-34-301.1)	Y	
Part 8	Flare heat input limits (Regulation 2-1-301)	Y	
Part 9	Flare combustion zone temperature (Toxic Risk Management Policy and Regulation 8-34-301.3)	Y	
Part 10	Flare NOx limit (RACT and Offsets)	Y	
Part 11	Flare CO limit (RACT and Offsets)	Y	
Part 12	Annual source test (Regulations 8-34-301.3, 8-34-412, and 9-1-302)	Y	
Part 13	Annual landfill gas characterization test (Toxic Risk Management Policy and Regulation 8-34-412)	Y	
Part 14	Landfill gas condensate injection rate (~~Toxic Risk Management Policy~~Regulation 2-5)	N	

IV. Source Specific Applicable Requirements

Table IV – A
Source-specific Applicable Requirements
S-1 ACTIVE LANDFILL
~~A-11 LANDFILL GAS FLARE~~
A-12 LANDFILL GAS FLARE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 15	Recordkeeping requirements (Cumulative Increase, 2-1-301, 2-6-501, 6-301, 6-305, 8-2-301, 8-34-301, 8-34-304, 8-34-501, and 9-1-302)	Y	
Part 16	Reporting periods and due dates for the Regulation 8, Rule 34 annual report (Regulation 8-34-411 and 40 CFR Part 63.1980(a))	Y	
Part 17	Alternate wellhead temperature limits (Regulation 8-34-301.2, 8-34-303, 8-34-305, 40 CFR Part 60.755(a) and 60.759)	Y	
~~BAAQMD Condition #23024~~	~~Facility-Wide NOx Limit~~		
~~Part 1~~	~~Facility-wide NOx limit (Cumulative Increase)~~	~~Y~~	
~~Part 2~~	~~Demonstration of compliance with emissions limit, recordkeeping (Cumulative Increase)~~	~~Y~~	
~~Part 3~~	~~Exceedance of NOx limit triggers NSR (Regulation 2-1-234.2)~~	~~Y~~	

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

~~Table IV – B~~
~~Source-specific Applicable Requirements~~
~~S-3, S-4: DIESEL IC ENGINES~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~BAAQMD Regulation 6~~	~~Particulate Matter and Visible Emissions (12/19/90)~~		
~~6-303~~	~~Ringelmann No. 2 Limitation~~	~~Y~~	
~~6-303.1~~	~~Internal combustion engines below 1500 cubic inches displacement or standby engines~~	~~Y~~	
~~6-310~~	~~Particulate Weight Limitation~~	~~Y~~	
~~6-401~~	~~Appearance of Emissions~~	~~Y~~	

IV. Source Specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S-3, S-4: DIESEL IC ENGINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Condition #21582			
Part 1	Limit on hours of operation (Offsets)	Y	
Part 2	Low sulfur fuel requirement, demonstration of sulfur content (Regulation 9-1-304)	Y	
Part 3	Observation of emissions source (Regulation 6-303.1, Regulation 2-1-403)	Y	
Part 4	Recordkeeping requirements (Offsets, Regulation 9-1-304)	Y	
BAAQMD Condition #23024	**Facility-Wide NOx Limit**		
Part 1	Facility-wide NOx limit (Cumulative Increase)	Y	
Part 2	Demonstration of compliance with emissions limit, recordkeeping (Cumulative Increase)	Y	
Part 3	Exceedance of NOx limit triggers NSR (Regulation 2-1-234.2)	Y	

Table IV - C
Source-specific Applicable Requirements
S-5, S-6, S-7 – IC ENGINE GENERATOR SETS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/2/01)**		

IV. Source Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-5, S-6, S-7 – IC ENGINE GENERATOR SETS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-523	Parametric Monitoring and Recordkeeping Procedures	N	upon start-up
1-523.1	Parametric monitor periods of inoperation	Y	upon start-up
1-523.2	Limit on periods of inoperation	Y	upon start-up
1-523.3	Reports of Violations	N	upon start-up
1-523.4	Records	Y	upon start-up
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	upon start-up
1-523.3	Reports of Violations	Y[1]	upon start-up
1-523.5	Maintenance and calibration	Y[1]	upon start-up
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No. 1 Limitation	Y	upon start-up
6-305	Visible Particles	Y	upon start-up
6-310	Particle Weight Limitation	Y	upon start-up
6-401	Appearance of Emissions	Y	upon start-up
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (10/6/99)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	upon start-up

IV. Source Specific Applicable Requirements

~~Table IV – C~~
~~Source-specific Applicable Requirements~~
~~S-5, S-6, S-7 – IC ENGINE GENERATOR SETS~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~8-34-113.1~~	~~Emission Minimization Requirement~~	~~Y~~	~~upon start-up~~
~~8-34-113.2~~	~~Shutdown Time Limitation~~	~~Y~~	~~upon start-up~~
~~8-34-113.3~~	~~Recordkeeping Requirement~~	~~Y~~	~~upon start-up~~
~~8-34-301~~	~~Landfill Gas Collection and Emission Control System Requirements~~	~~Y~~	~~upon start-up~~
~~8-34-301.1~~	~~Continuous Operation~~	~~Y~~	~~upon start-up~~
~~8-34-301.2~~	~~Collection and Control Systems Leak Limitations~~	~~Y~~	~~upon start-up~~
~~8-34-301.4~~	~~Limits for Other Emission Control Systems~~	~~Y~~	~~upon start-up~~
~~8-34-411~~	~~Annual Report~~	~~Y~~	~~upon start-up~~
~~8-34-412~~	~~Compliance Demonstration Tests~~	~~Y~~	~~upon start-up~~
~~8-34-413~~	~~Performance Test Report~~	~~Y~~	~~upon start-up~~
~~8-34-501~~	~~Operating Records~~	~~Y~~	~~upon start-up~~
~~8-34-501.2~~	~~Emission Control System Downtime~~	~~Y~~	~~upon start-up~~
~~8-34-501.4~~	~~Testing~~	~~Y~~	~~upon start-up~~
~~8-34-501.6~~	~~Leak Discovery and Repair Records~~	~~Y~~	~~upon start-up~~
~~8-34-501.10~~	~~Gas Flow Rate Records for All Emission Control Systems~~	~~Y~~	~~upon start-up~~
~~8-34-501.11~~	~~Records of Key Emission Control System Operating Parameters~~	~~Y~~	~~upon start-up~~
~~8-34-501.12~~	~~Records Retention for 5 Years~~	~~Y~~	~~upon start-up~~

IV. Source Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-5, S-6, S-7 – IC ENGINE GENERATOR SETS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	upon start-up
8-34-504	Portable Hydrocarbon Detector	Y	upon start-up
8-34-509	Key Emission Control System Operating Parameters	Y	upon start-up
8-34-508	Gas Flow Meter	Y	upon start-up
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	upon start-up
9-1-302	General Emission Limitations	Y	upon start-up
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	upon start-up
BAAQMD Regulation 9 Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)**		
9-8-301	Emission Limits - Fossil Derived Fuel Gas	Y	upon start-up
9-8-301.2	– Lean-Burn Engines: NOx Emission Limit	Y	upon start-up
9-8-301.3	– CO Emission Limit	Y	upon start-up
9-8-302	Emission Limits – Waste Derived Fuel Gas	Y	upon start-up
9-8-302.1	– Lean-Burn Engines: NOx Emission Limit	Y	upon start-up

IV. Source Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-5, S-6, S-7 – IC ENGINE GENERATOR SETS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-8-302.3	CO Emission Limit	Y	upon start-up
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (5/4/98)**		
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	upon start-up
60.7	Notification and Recordkeeping	Y	upon start-up
60.8	Performance Tests	Y	upon start-up
60.11	Compliance with Standards and Maintenance Requirements	Y	upon start-up
60.11(a)	Compliance determined by performance tests	Y	upon start-up
60.11(d)	Good air pollution control practice	Y	upon start-up
60.12	Circumvention	Y	upon start-up
60.13	Monitoring Requirements	Y	upon start-up
60.13(a)	Applies to all continuous monitoring systems	Y	upon start-up
60.13(b)	Monitors shall be installed and operation before Performance Tests	Y	upon start-up
60.13(e)	Continuous monitors shall operate continuously	Y	upon start-up
60.13(f)	Monitors shall be installed in proper locations	Y	upon start-up
60.13(g)	Requires multiple monitors for multiple stacks	Y	upon start-up
60.14	Modification	Y	upon start-up

IV. Source Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-5, S-6, S-7 – IC ENGINE GENERATOR SETS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
60.15	Reconstruction	Y	upon start-up
60.19	General Notification and Reporting Requirements	Y	upon start-up
40 CFR Part 60, Subpart Cc	**Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/99)**		
60.36c(a)	Collection and Control Systems in Compliance by 30 months after Initial NMOC Emission Rate Report Shows NMOC Emissions ≥ 50 MG/year	Y	upon start-up
40 CFR Part 62	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (9/20/01)**		
62.1115	Identification of Sources	Y	upon start-up
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (3/16/94)**		
63.4	Prohibited activities and circumvention	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	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 (1/16/03)**		
63.1945	When do I have to comply with this subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	

IV. Source Specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S-5, S-6, S-7 – IC ENGINE GENERATOR SETS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 #21583			
Part 1	Control requirement for collected landfill gas (Regulation 8-34-301)	Y	upon start up
Part 2	Fuel requirements (Cumulative Increase)	Y	upon start up
Part 3	Engine heat input limits (Regulation 2-1-301)	Y	upon start up
Part 4	Landfill gas flow meter and automatic control valve (Regulations 8-34-301, 8-34-508)	Y	upon start up
Part 5	NOx emission limit (BACT, Cumulative Increase)	Y	upon start up
Part 6	CO emission limit (BACT, Cumulative Increase)	Y	upon start up
Part 7	NMOC emission limit (Cumulative Increase, Regulation 8-34-301.4)	Y	upon start up
Part 8	Key emission control system operating parameters (Regulations 8-34-301.4, 8-34-509)	Y	upon start up

IV. Source Specific Applicable Requirements

~~**Table IV – C**~~
~~**Source-specific Applicable Requirements**~~
~~**S-5, S-6, S-7 – IC ENGINE GENERATOR SETS**~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~Part 9~~	~~Source test requirements (BACT, Cumulative Increase, Regulations 8-34-301.4, 8-34-412, 9-8-302.1, 9-8-302.3)~~	~~Y~~	~~upon start up~~
~~Part 10~~	~~Recordkeeping requirements (BACT, Cumulative Increase, Regulation 8-34-501)~~	~~Y~~	~~upon start up~~
~~**BAAQMD Condition #23024**~~	~~**Facility-Wide NOx Limit**~~		
~~Part 1~~	~~Facility-wide NOx limit (Cumulative Increase)~~	~~Y~~	
~~Part 2~~	~~Demonstration of compliance with emissions limit, recordkeeping (Cumulative Increase)~~	~~Y~~	
~~Part 3~~	~~Exceedance of NOx limit triggers NSR (Regulation 2-1-234.2)~~	~~Y~~	

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

Table IV - D
Source-specific Applicable Requirements
S-8: PORTABLE DIESEL IC ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann No. 2 Limitation	Y	
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	

IV. Source Specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-8: PORTABLE DIESEL IC ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-304	Liquid and Solid Fuels	Y	
CCR Title 17, Section 93116	**Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/26/04)**		
93116.3(a)	Fuel Requirements, Portable Diesel Engines	N	
93.116.3(b)(2)	Diesel PM Standards for engines permitted after January 1, 2006	N	
BAAQMD Condition #23022			
Part 1	CARB Diesel Fuel (Low sulfur fuel) requirement, demonstration of sulfur content (CCR Section 93116.3(a))	Y	
Part 2	Limit on hours of operation (Toxic Risk Management, Offsets)	Y	
Part 3	Requirement for non-resettable totalizing meter to measure and record hours of operation (Toxic Risk Management, Offsets)	Y	
Part 4	Recordkeeping requirements (CCR Section 93116.3(a), Toxic Risk Management, Offsets, Regulation 1-441)	Y	
BAAQMD Condition #23024	**Facility-Wide NOx Limit**		
Part 1	Facility-wide NOx limit (Cumulative Increase)	Y	
Part 2	Demonstration of compliance with emissions limit, recordkeeping (Cumulative Increase)	Y	
Part 3	Exceedance of NOx limit triggers NSR (Regulation 2-1-234.2)	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 #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For:~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

1. The ~~Permit Holder~~owner/operator shall comply with the following waste acceptance and disposal limits and shall obtain the appropriate New Source Review permit, if one of the following limits is exceeded:
   a. Except for temporary emergency situations approved by the Local Enforcement Agency, the total waste accepted and placed at the landfill shall not exceed 2600 tons in any day. (Basis: Regulation 2-1-301)
   b. The total cumulative amount of all waste placed in the landfill shall not exceed 19.84 million tons. Exceedance of the cumulative tonnage limit is not a violation of the permit and does not trigger the requirement to obtain a New Source review permit, if the operator can, within 30 days of the date of discovery of the exceedance, provide documentation to the District demonstrating, in accordance with BAAQMD Regulation 2-1-234.3, that the limit should be higher. (Basis: Regulation 2-1-234.3)
   c. The maximum design capacity of the landfill (total volume of all wastes placed in the landfill) shall not exceed 36.40 million cubic yards. (Basis: Regulation 2-1-301)

2. 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 owner/operator~~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 3 below.
      ii. The owner/operator~~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.

VI. Permit Conditions

Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

b. The owner/operator~~Permit Holder~~ shall provide verbal notification to the Compliance and Enforcement Division of the owner/operator~~Permit Holder~~'s intention to accept contaminated soil at the facility at least 24 hours in advance of receiving the contaminated soil. The owner/operator~~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 owner/operator~~Permit Holder~~ receives test results proving that the soil is not contaminated. To prove that the soil is not contaminated, the owner/operator~~Permit Holder~~ shall collect soil samples in accordance with Regulation 8-40-601 within 24 hours of receipt of the soil by the facility. The organic content of the collected soil samples shall be determined in accordance with Regulation 8-40-602.

   i. If these test results indicate that the soil is still contaminated or if the soil was not sampled within 24 hours of receipt by the facility, the owner/operator~~Permit Holder~~ must continue to handle the soil in accordance with the procedures set forth in subparts e-1, below, until the soil has completed treatment or has been placed in a final disposal location and adequately covered. Storing soil in a temporary stockpile or pit is not considered treatment. Co-mingling, blending, or mixing of soil lots is not considered treatment.

   ii. If these test results indicate that the soil – as received at the facility – has an organic content of 50 ppmw or less, then the soil is no longer contaminated and shall be handled in accordance with the procedures in Part 3 instead of Part 2, subparts e-l.

VI. Permit Conditions

Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

d. Any contaminated soil received at the facility shall be clearly identified as contaminated soil, shall be handled in accordance with subparts e-l. below, and shall be segregated from non-contaminated soil. Contaminated soil lots may not be co-mingled, blended, or otherwise mixed with non-contaminated soil lots prior to treatment, reuse, or disposal. Mixing soil lots in an attempt to reduce the overall concentration of the contaminated soil or to circumvent any requirements or limits is strictly prohibited.

e. On-site handling of contaminated soil shall be limited to no more than 2 on-site transfers per soil lot. For instance, unloading soil from off-site transport vehicles into a temporary storage pile is 1 transfer. Moving soil from a temporary storage to a staging area is 1 transfer. Moving soil from a temporary storage pile to a final disposal site is 1 transfer. Moving soil from a staging area to a final disposal site is 1 transfer. Therefore, unloading soil from off-site transport into a temporary storage pile and then moving the soil from that temporary storage pile to the final disposal site is allowed. Unloading soil from off-site transport into a staging area and then moving the soil from that staging area to the final disposal site is allowed. However, unloading soil from off-site transport to a temporary storage pile, moving this soil to a staging area, and then moving the soil again to a final disposal site is 3 on-site transfers and is not allowed.

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

VI. Permit Conditions

Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

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 owner/operator~~Permit Holder~~ must:

   i. Keep contaminated soil covered with continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) whenever soil is to be stored in temporary stockpiles or during on-site transport in trucks. Soil in trucks shall not be left uncovered for more than 1 hour.

   ii. Establish a tipping area for contaminated soils near the active face that is isolated from the tipping area for other wastes.

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

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

VI. Permit Conditions

Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

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 that are necessary for annual reporting requirements or for purposes of 8-34-111 or 8-34-304.

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

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

VI. Permit Conditions

Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

ii. If the soil is tested for organic content after receipt by the facility, record the sampling date, test results, and the date that these 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)

3. Low VOC soil (soil that contains 50 ppmw or less of VOC) is not considered to be "contaminated soil" and may be used as daily, intermediate, or final cover material for landfill waste operations if the organic concentration above the soil does not exceed 50 ppmv (expressed as methane, C1). To demonstrate compliance with this requirement, each lot of soil to be used as cover material shall be randomly screened for VOC surface emissions (in such a manner as to be representative of the entire lot) using the testing procedures outlined in Regulation 8-40-604. The owner/operator~~Permit Holder~~ shall keep the following records for each lot of soil subject to this requirement:

a. The soil lot number as established in part 2m.i. (above).
b. The time and date of the soil screening.
c. The name and affiliation of the person performing the monitoring.
d. The results of the screening and an acknowledgement that the procedures outlined in Regulation 8-40-604 were used.

Soil presumed to be low VOC soil that is found to have a surface VOC concentration greater than 50 ppmv as described above shall be considered contaminated soil and will be subject to the requirements of part 2 of these conditions. (basis: Regulations 8-40-205, 8-40-604)

VI. Permit Conditions

Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For:~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

4. Water and/or dust suppressants shall be applied to all unpaved roadways, active soil removal, and fill areas as necessary to prevent visible particulate emissions. Paved roadways shall be kept sufficiently clear of dirt and debris to prevent visible particulate emissions from vehicle traffic or wind. (basis: Regulations 2-1-403, 6-301, and 6-305)

5. All collected landfill gas shall be vented to properly operating ~~abatement equipment including the~~ Landfill Gas Flare (A-~~11~~12) ~~and/or the IC Engines (S-5, S-6, and S-7))~~. Raw landfill gas shall not be vented to the atmosphere, except for unavoidable landfill gas emissions that occur during collection system installation, maintenance, or repair that is performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118 and for component or surface leaks that do not exceed the limits specified in 8-34-301.2 or 8-34-303. (basis: Regulation 8-34-301)

6. The owner/operator~~Permit Holder~~ shall apply for and receive an Authority to Construct before modifying the landfill gas collection system described in Parts 6a-b below. Increasing or decreasing the number of wells or collectors, changing the length of collectors, or changing the locations of wells or collectors are all considered to be modifications that are subject to the Authority to Construct requirement.
   a. The owner/operator~~Permit Holder~~ has been issued a Permit to Operate for the landfill gas collection system components listed below. Well and collector locations, depths, and lengths are as described in detail in Permit Applications #2232, ~~and~~ #7835, and #11730.

	Current
Total Number of Gas Wells:	~~36~~34
Total Number of Leachate Collection Wells:	2

   b. The owner/operator~~Permit Holder~~ was issued an Authority to Construct for additional landfill gas collection system components as described in Permit Application #~~11730~~17016. Additional wells installed under this Authority will be added to the Title V permit using the minor permit amendment procedures identified in Regulation 2-6-414.

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

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Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For:~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

7. The landfill gas collection system described in Part 6a shall be operated continuously as defined in Regulation 8-34-219. Wells shall not be shut off, disconnected or removed from operation without written authorization from the APCO, unless the owner/operator~~Permit Holder~~ complies with all applicable requirements of Regulation 8, Rule 34, Sections 113, 116, 117, and 118. (basis: Regulation
8-34-301.1)

8. ~~The heat input to the A-11 Landfill Gas Flare shall not exceed 1,080 million BTU per day and shall not exceed 394,200 million BTU per year.~~The owner/operator shall ensure that the heat input to the A-12 Landfill Gas Flare does not exceed 3,576 million Btu per day and does not exceed 1,305,240 million Btu per year. In order to demonstrate compliance with this part, the owner/operator ~~Permit Holder~~ shall calculate and record, on a monthly basis, the maximum daily and total monthly heat input to the flare based on: (a) the landfill gas flow rate recorded pursuant to part 14h, (b) the average methane concentration in the landfill gas measured in most recent source test, and (c) a high heating value for methane of 1013 BTU per cubic foot at 60 degrees F. (basis: Regulation 2-1-301)

9. The minimum combustion zone temperature of the Flare A~~-11~~-12 shall be determined by the results of the most recent source test in which compliance with all applicable requirements was demonstrated. The minimum combustion zone temperature shall be the average temperature measured during the complying source test minus 50 degrees F. Once the minimum temperature has been established, it shall be maintained during all periods of flare operation. Compliance with the temperature limit shall be based on a 3-hour averaging period. Under no circumstances shall the minimum flare temperature be less than 1,400 degrees F. Based on the results of required source testing of the flare, the APCO may add an explicit temperature limit to the conditions for the Flare A-~~11~~ 12 in accordance with the procedures identified in Regulation 2-6-414 or 2-6-415. (Basis: Regulation 8-34-301.3)

10. The owner/operator shall ensure that ~~E~~emissions of Nitrogen Oxides (NOx) from the Flare A-~~11~~-12 ~~shall~~ does not exceed ~~0.06~~0.05 pounds per million BTU (calculated as NO_2). (basis: RACT and Offsets)

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Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

11. The owner/operator shall ensure that ~~E~~emissions of Carbon Monoxide (CO) from the Flare A-~~11~~ 12 ~~shall~~ do not exceed 0.3 pounds per million BTU. (basis: RACT and Offsets).

12. To demonstrate compliance with Regulation 8, Rule 34, Sections 301.3 and 412, and the above requirements, the owner/operator ~~Permit Holder~~ shall ensure that a District approved source test is conducted ~~annually~~ on the Landfill Gas Flare (A-~~11~~12) within 90 days of startup, followed by annual source tests thereafter. The owner/operator shall obtain prior approval from the Source Test Manager for the location of sampling ports and source testing procedures. The startup and annual source tests shall determine the following:
    a. landfill gas flow rate to the flare (dry basis);
    b. concentrations (dry basis) of carbon dioxide (CO_2), nitrogen (N_2), oxygen (O_2), total hydrocarbons (THC), methane (CH_4), and total non-methane organic compounds (NMOC) in the landfill gas;
    c. stack gas flow rate from the flare (dry basis);
    d. concentrations (dry basis) of nitrogen oxides (NOx), carbon monoxide (CO), THC, CH_4, NMOC, SO_2, and O_2 in the flare stack gas;
    e. the NMOC destruction efficiency achieved by the flare; and
    f. the average combustion temperature in the flare during the test period.

    Annual source tests shall be conducted no earlier than 9 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and to the Source Test Section within 60 days of the test date. ~~This testing shall also be used to determine compliance with the SO2 requirements of Regulation 9-1-302 for the IC Engine Generator Sets S-5, S-6, and S-7. For this purpose, the SO2 concentration shall be corrected to zero percent oxygen.~~ (basis: RACT, Regulations 2-1-301, 8-34-301.3, 8-34-412, and 9-1-302)

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Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

13. The ~~Permit Holder~~owner/operator shall conduct a characterization of the landfill gas concurrent with the annual source test required by part 12 above. The landfill gas sample shall be drawn from the main landfill gas header. In addition to the compounds listed in part 12b, the landfill gas shall be analyzed for all the compounds listed in the most recent version of EPA's AP-42 Table 2.4-1 excluding acetone, carbon monoxide, and mercury. All concentrations shall be reported on a dry basis. The test report shall be submitted to the Compliance and Enforcement Division within 60 days of the test date. After conducting three annual landfill gas characterization tests, the owner/operator~~Permit Holder~~ may request to remove specific compounds from the list of compounds to be tested for if the compounds have not been detected, have no significant impact on the cancer risk determination for the site, and have no significant impact on the hazard index determination for the site. (basis: ~~Toxic Risk Management Policy~~Regulation 2-5~~ and Regulation 8-34-412~~)

*14. The landfill gas condensate injection rate into the flare shall not exceed 5 gallons per minute. Total landfill gas condensate injection throughput shall not exceed ~~375,000~~1,500,000 gallons during any consecutive twelve-month period. The ~~Permit Holder~~owner/operator ~~for S-1 and A-11~~ may submit a written petition to the District to increase the landfill gas condensate injection rate subject to current District-approved source test results. (basis: ~~Toxic Risk Management Policy~~Regulation 2-5)

15. To demonstrate compliance with the above conditions, the ~~Permit Holder~~owner/operator shall maintain the following records in a District approved logbook.
    a. The total amount of municipal solid waste received at S-1 recorded on a daily basis. A summary of the daily waste acceptance records for each calendar month.
    b. For each area or cell that is not controlled by a landfill gas collection system, a record of the date that waste was initially placed in the area or cell. The cumulative amount of waste placed in each uncontrolled area or cell recorded on a monthly basis.

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Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

c. If the owner/operator~~Permit Holder~~ plans to exclude an uncontrolled area or cell from the collection system requirement, the owner/operator~~Permit Holder~~ shall also record the types and amounts of all non-decomposable waste placed in the area and the percentage (if any) of decomposable waste placed in the area.
d. Low VOC soil screening data, pursuant to part 3.
e. The dates, locations, and frequency per day of all watering activities on unpaved roads or active soil or fill areas. The dates, locations, and type of any dust suppressant applications. The dates and description of all paved roadway cleaning activities. All records shall be summarized monthly.
f. The initial operation date for each new landfill gas well and collector.
g. An accurate map of the landfill that indicates the locations of all refuse boundaries and the locations of all wells and collectors (using unique identifiers) that are required to be operating continuously pursuant to part 6a. Any areas containing only non-decomposable waste shall be clearly identified. This map shall be updated at least once a year to indicate changes in refuse boundaries and to include any newly installed wells and collectors.
h. The operating times and the landfill gas flow rate to the A-~~11~~ 12 Landfill Gas Flare recorded on a daily basis. A monthly summary of the heat input to A-~~11~~12, pursuant to part 8 shall be calculated and recorded.
i. Continuous records of the combustion zone temperature for the A-~~11~~ 12 Landfill Gas Flare during all hours of operation.

j. Records of all test dates and test results performed to maintain compliance with parts 12 and 13 above or any applicable rule or regulation.
k. Records of landfill gas condensate injection throughput and the duration of the injection recorded daily.

All records shall be maintained on site or shall be made readily available to District staff upon request for at least 5 years from the date of entry. These recordkeeping requirements do not replace the recordkeeping requirements contained in any applicable rules or regulations.
(basis: Cumulative Increase, 2-1-301, 2-6-501, 6-301, 6-305, 8-2-301, 8-34-301, 8-34-304, 8-34-501, and 9-1-302)

VI. Permit Conditions

Condition #1437
For: S-1, Active Landfill with Landfill Gas Collection System;
For: ~~A-11, Landfill Gas Flare~~ A-12, Landfill Gas Flare with Condensate Injection System, 5 gallons per minute maximum condensate injection rate, 149 MMBtu/hr

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

17. The gas collection system operating requirements listed below shall replace the well head requirements identified in Regulation 8-34-305.2 through 8-34-305.4 for the specified wells and collectors. All wells and collectors remain subject to the Regulation 8-34-305.1 requirement to maintain vacuum at each well head. (basis: Regulation 8-34-301.2, 8-34-303, and 8-34-305, 40 CFR Part 60.755(a) and 60.759)
    a. The Regulation 8-34-305.2 temperature limit shall not apply to the Wells 36 through 39, 41 through 44, 45, 51, and 52 and any other wells for which the District has approved a higher operating temperature value, provided that the landfill gas temperature at each of the identified wells does not exceed 145 degrees F (63 degrees C).
    b. The owner/operator shall demonstrate compliance with the alternative wellhead landfill gas temperature limit in 17(a) above by monitoring the temperature of each wellhead on a monthly basis, in accordance with Regulation 8-34-505.
    c. All records to demonstrate compliance with Part 17(a) and all applicable sections of BAAQMD Regulation 8, Rule 34 shall be recorded in a District-approved log and made available to District staff upon request in accordance with Regulation 8-34-501.4, 501.9, and 414.
    d. If the temperatures measured at any of the Part 17(a) wells are found to exceed the temperature limit in Part 17(a), the owner/operator shall take all measures necessary to investigate the possibility of subsurface fires, including landfill gas testing for carbon monoxide (CO) on those landfill gas collection wells in Part 17(a) that exceed the operating temperature limit. If a fire is suspected, the owner/operator shall employ all means as appropriate to extinguish the fire, repair the well(s), and bring the well(s)

VI. Permit Conditions

back into service according to Section 8-34-414.

~~**Condition #21582**~~
~~For: S-3, S-4; Diesel IC Engines for Flare Generator and Trash Pump~~

~~1. The Diesel Engines S-3 and S-4 shall each be limited to 3,120 hours per year of operation. (basis: Offsets)~~

~~2. Only low sulfur fuel (<0.5% sulfur by weight) shall be combusted at S-3 and S-4. The maximum sulfur content of the fuel shall be demonstrated by vendor certification. (basis: Regulation 9-1-304)~~

~~3. The exhaust of these engines shall be observed for visible smoke during all periods of operation. If persistent smoke is detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulation 6-303.1, Regulation 2-1-403)~~

~~4. In order to demonstrate compliance with the above requirements, the operator of S-3 and S-4 shall keep the following records in a District approved log. These records shall be updated on at least a monthly basis, kept on-site, and be available for District inspection for at least 5 years from the date on which a record was made. (basis: Offsets, Regulation 9-1-304)~~
~~a.operating hours for S-3 and S-4~~
~~b.~~a. ~~vendor certified fuel sulfur content~~

~~**Condition #21583**~~
~~For: S-5, S-6, S-7; Landfill Gas Fired IC Engine Generator Sets~~

~~1. All collected landfill gas shall be vented to properly operating abatement equipment including the IC Engines S-5, S-6, and S-7 and/or the Landfill Gas Flare A-11. Raw landfill gas shall not be vented to the atmosphere, except for unavoidable landfill gas emissions that occur during control system installation, maintenance, or repair that is performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118 and for inadvertent component or surface leaks that do not exceed the limits specified in 8-34-301.2 or 8-34-303. (basis: Regulation 8-34-301)~~

~~2. The IC Engines S-5, S-6, and S-7 shall be fired exclusively by landfill gas. (basis: Cumulative Increase)~~

VI. Permit Conditions

~~Condition #21583~~
~~For: S-5, S-6, S-7; Landfill Gas Fired IC Engine Generator Sets~~

~~3. The Heat Input to each of the IC Engines S-5, S-6, and S-7 shall not exceed 252 million BTU per day and shall not exceed 91,980 million BTU per year. In order to demonstrate compliance with this part, the Permit Holder shall calculate and record on a monthly basis the maximum daily and total monthly heat input to the engine based on (a) the landfill gas flow rate recorded pursuant to part 4, (b) the average methane concentration in the landfill gas based on the most recent source test, and (c) a high heating value for methane of 1013 BTU/cubic foot at 60 degrees F. (basis: Regulation 2-1-301)~~

~~4. A District approved flow meter, to measure and record the landfill gas flow into the engine, shall be installed prior to any operation and maintained in good working condition. An automatically controlled landfill gas valve shall be installed, and maintained to ensure that landfill gas is immediately made available for flaring to the A-11 Landfill Gas Flare when the engine is down. (basis: Regulation 8-34-301, Regulation 8-34-508)~~

~~5. Emissions of Nitrogen Oxides (NO_x) from each of the IC Engines S-5, S-6, and S-7 shall not exceed either 0.6 grams of NO_x, calculated as NO_2/ per brake horsepower-hour or 37 ppmv of NO_x, @ 15% oxygen, dry basis. (basis: BACT, Cumulative Increase)~~

~~6. Emissions of Carbon Monoxide (CO) from each of the IC Engines S-5, S-6, and S-7 shall not exceed either 2.1 grams of CO/ per brake horsepower-hour or 215 ppmv of CO @ 15% oxygen, dry basis. (basis: BACT, Cumulative Increase)~~

~~7. Emissions of Non-Methane Organic Compounds (NMOC) from each of the IC Engines S-5, S-6, and S-7 shall be less than 120 ppm by volume (dry), expressed as methane @ 3% oxygen. (basis: Cumulative Increase, Regulation 8-34-301.4)~~

~~8. In order to demonstrate compliance with part 7, the permit holder of these IC Engines shall determine key emission control system operating parameter(s) that are indicative of NMOC destruction efficiency and that can be monitored. The permit holder shall submit a proposal for the key emission control system operating parameter(s) that will be measured during the initial source test and monitored during subsequent engine operation to the Source Test Section and to the Permit Services Division at least 14 days prior to conducting the initial source test required by Part 9. The specific operating parameter, allowable operating range, type and location of monitors, and monitoring frequency shall be added to this part via a minor permit revision after the District has received the results of~~

VI. Permit Conditions

Condition #21583
For: S-5, S-6, S-7; Landfill Gas Fired IC Engine Generator Sets

the initial source test. Within 105 days of start-up of S-5, S-6, and S-7, the key emission control system operating parameter(s) shall be maintained within the range established by the most recent source test, during all times that the IC Engine is operated. (basis: Regulations 8-34-301.4 and 8-34-509)

9. In order to demonstrate compliance with parts 5, 6 and 7 above and Regulations 8-34-301.4, 9-8-302.1 and 9-8-302.3, the permit holder shall conduct source testing of S-5, S-6, and S-7 to determine the emissions of NO_x, CO, and NMOC and the destruction efficiency for NMOC. In addition, the operating range for each key emission control system operating parameter required by part 8 shall be determined by each test. An initial source test shall be performed within 60 days of startup, followed by annual source tests thereafter. All source testing shall be performed in accordance with the Manual of Procedures. The facility shall obtain prior approval from the Source Test Manager for the location of sampling ports and source testing procedures. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. All source test results shall be delivered to the Compliance and Enforcement Division and to the Source Test Section within 45 days of the date of the test. The time interval between source testing shall not exceed 12 months. (basis: BACT, Cumulative Increase, Regulations 8-34-301.4, 8-34-412, 9-8-302.1, and 9-8-302.3)

10. The owner/operator of the IC Engines S-5, S-6, and S-7 shall maintain the following records in a District approved log:
    a. The times and dates of all startups and shutdowns for each engine and the reason for each shutdown.
    b. The total landfill gas throughput to each engine on a monthly basis.
    c. Records of key emission control system operating parameters for each engine on at least a monthly basis.
    d. All source test results.
    e. The operating times and the landfill gas flow rate to each engine on a daily basis, summarized monthly.
    f. The heat input to each engine, pursuant to part 3 above.

    All records shall be maintained on-site for a minimum of 5 years and shall be made available for inspection by District personnel upon request. (basis: BACT, Cumulative Increase, Regulation 8-34-501)

VI. Permit Conditions

Condition #23022
Portable Diesel IC Engine: S-8

1. Only CARB Diesel Fuel (<0.05% sulfur by weight) or approved alternative shall be combusted at S-8. The maximum sulfur content of the fuel shall be demonstrated by vendor certification. [basis: CCR Section 93116.3(a)]

2. Operation of the Portable Diesel Engine S-8 at the Kirby Canyon Landfill shall not exceed 1,290 hours during any consecutive 12-month period. [basis: Toxic Risk Management, Offsets]

3. S-8 shall be equipped with a non-resettable totalizing meter that measures and records the hours of operation for the engine. This meter shall have a minimum display capability of 9,999 hours.
[Basis: Toxic Risk Management, Offsets]

4. The following monthly records shall be maintained for the Portable Diesel Engine S-8 in a District-approved log. Records shall be kept for at least 5 years and shall be made available for District inspection upon request:
   a. Total hours of operation.
   b. Fuel usage.
   c. Vendor fuel certification.
   [Basis: CCR Section 93116.3(a), Toxic Risk Management, Offsets, Regulation 1-441]

~~**Condition #23024**~~
~~Facility-Wide NOx Limit~~

~~1. Emissions of Nitrogen Oxides (NOx) from all permitted sources at the Kirby Canyon Recycling and Disposal Facility shall not exceed 40.90 tons during any consecutive 12-month period. [Basis: Cumulative Increase]~~

~~2. In order to demonstrate compliance with this limit the facility shall keep the following records in a District approved log. Records shall be kept for at least 5 years and shall be made available for District inspection upon request: [Basis: Cumulative Increase]~~

~~a. A list of the NOx emission factors for each permitted source. The currently permitted emission factors for NOx sources at this facility are as follows:~~

VI. Permit Conditions

Condition #23024
Facility-Wide NOx Limit

A-11:	Landfill Gas Flare	0.06 lb/MMBTU
S-3:	Diesel IC Engine - Flare Generator	4.16 lb/hr
S-4:	Diesel IC Engine - Trash Pump	1.92 lb/hr
S-5:	LFG IC Engine Generator #1	1.52 lb/hr
S-6:	LFG IC Engine Generator #2	1.52 lb/hr
S-7:	LFG IC Engine Generator #3	1.52 lb/hr
S-8:	Portable Diesel IC Engine - Compressor	0.90 lb/hr

The facility may petition for a change of NOx emission factors based on actual test data, where a lower NOx emission factor has been clearly demonstrated during at least two consecutive District approved source tests.

b. The fuel consumption or hours of operation (as appropriate) for each NOx source on a monthly basis
c. Calculated NOx emissions (tons) for each NOx source and total facility NOx emissions on a monthly basis.

3. Any exceedance of the NOx limit in part 1 will subject the facility to the requirements of Regulation 2, Rule 2 "New Source Review". [Basis: Regulation 2-1-234.2]

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 ACTIVE LANDFILL
A-~~11~~ 12 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installa-tion Dates	BAAQMD 8-34-304.1	Y		For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #1437, Parts 15b-c and 15f-g	P/E	Records
Collection System Installa-tion Dates	BAAQMD 8-34-304.2	Y		For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #1437, Parts 15b-c and 15f-g	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 ACTIVE LANDFILL
A-~~11~~ 12 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Collection System Installa-tion Dates	BAAQMD 8-34-304.3	Y		For Any Uncontrolled Areas or Cells: collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 tons of decomposable waste	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition #1437, Parts 15a-c and 15f-g	P/E	Records
Gas Flow	BAAQMD 8-34-301 and 301.1	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD 8-34-501.10 and 508	C	Gas Flow Meter and Recorder (every 15 minutes)
Gas Flow	BAAQMD Condition #1437, Parts 5, 6, and 7	Y		Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	BAAQMD Condition #1437, Parts 15f-h	P/D	Records of Landfill Gas Flow Rates, Collection and Control Systems Downtime, and Collection System Components
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		Less than 240 hours/year and less than 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 ACTIVE LANDFILL
A-~~11~~ 12 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.2	Y		15 consecutive days/incident and 30 calendar days/12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors
Continuous Monitors	40 CFR 60.13(e)	Y		Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	40 CFR 60.7(b)	P/D	Operating Records for All Continuous Monitors
Wellhead Pressure	BAAQMD 8-34-305.1	Y		< 0 psig	BAAQMD 8-34-414, 501.9 and 505.1	P/M	Monthly Inspection and Records
Temperature of Gas at Wellhead	BAAQMD 8-34-305.2	Y		< 55 ^{o}C, except for wells subject to Part 17 of Condition 1437	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly Inspection and Records
	Condition 1437, Part 17a	Y		< 63 ^{o}C, for wells subject to Part 17 of Condition 1437	Condition 1437, Part 17b	P/M	Monthly Inspection and Records
Gas Concentrations at Wellhead	BAAQMD 8-34-305.3 or 305.4	Y		N_2 < 20% **OR** O_2 < 5%	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	P/M	Monthly Inspection and Records
Well Shutdown Limits	BAAQMD 8-34-116.2	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-116.3	Y		24 hours per well	BAAQMD 8-34-116.5 and 501.1	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 ACTIVE LANDFILL
A-~~11~~ 12 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Well Shutdown Limits	BAAQMD 8-34-117.4	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		24 hours per well	BAAQMD 8-34-117.6 and 501.1	P/D	Records
TOC (Total Organic Com-pounds Plus Methane)	BAAQMD 8-34-301.2	Y		1000 ppmv as methane (component leak limit)	BAAQMD 8-34-501.6 and 503	P/Q	Quarterly Inspection of collection and control system components with OVA and Records
TOC	BAAQMD 8-34-303	Y		500 ppmv as methane at 2 inches above surface	BAAQMD 8-34-415, 416, 501.6, 506 and 510	P/M, Q, and E	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspec-tion Times for Leaking Areas, and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 ACTIVE LANDFILL
A-~~11~~ 12 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-301.3	Y		98% removal by weight OR < 30 ppmv, dry basis @ 3% O_2, expressed as methane (applies to A-~~11~~ 12 Flare only)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition #1437, Part 11	P/A	Initial and Annual Source Tests and Records
Temperature of Combustion Zone (CT)	BAAQMD Condition #1437, Part 9	Y		CT ≥ 1400 °F, averaged over any 3-hour period (applies to A-~~11~~ 12 Flare only)	BAAQMD 8-34-501.3 and 507, and BAAQMD Condition #1437, Part 15i	C	Temperature Sensor and Recorder (continuous)
Total Carbon	BAAQMD 8-2-301	Y		15 pounds/day or 300 ppm, dry basis (applies only to aeration of or use as cover soil of soil containing ≤ 50 ppmw of volatile organic compounds)	BAAQMD Condition # 1437, Part 15d	P/E	Inspection with Portable Organic Vapor Analyzer and Records
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-116.1 and BAAQMD Condition # 1437, Part 2	Y		1 cubic yard per project	BAAQMD Condition # 1437, Part 2m	P/E	Records
Amount of Contaminated Soil Aerated or Used as Cover	BAAQMD 8-40-116.2 and BAAQMD Condition #1437, Part 2	Y		8 cubic yards per project, provided organic content ≤ 500 ppmw and limited to 1 exempt project per 3 month period	BAAQMD 8-40-116.2 and BAAQMD Condition # 1437, Part 2m	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 ACTIVE LANDFILL
A-~~11~~ 12 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Amount of Contami-nated Soil Aerated or Used as Cover	BAAQMD 8-40-301 and BAAQMD Condition #1437, Part 2	Y		Prohibited for Soil with Organic Content >50 ppmw unless exempt per BAAQMD 8-40-116, 117, or 118	BAAQMD Condition # 1437, Part 2m	P/E	Records
Amount of Acci-dental Spillage	BAAQMD 8-40-117 and BAAQMD Condition # 1437, Part 2	Y		Soil Contaminated by Accidental Spillage of ≤ 5 Gallons of Liquid Organic Compounds	None	N	N/A
Total Aeration Project Emissions	BAAQMD 8-40-118 and BAAQMD Condition # 1437, Part 2	Y		150 pounds per project and toxic air contaminant emissions per year <BAAQMD Table 2-1-316 limits	BAAQMD Condition #1437, Part 2m	P/E	Records
Low VOC Soil	BAAQMD Condition # 1437, Part 3	Y		Soil with Organic Vapor Concentration ≤50 ppmv Acceptable as Cover Material	BAAQMD 8-40-604 and BAAQMD Condition # 1437, Part 3	P/E	Surface Organic Vapor Monitoring
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 minutes/hr (applies to S-1 Landfill operations)	BAAQMD Condition #1437, Part 15e	P/E, M	Records of all site watering and road cleaning events
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for < 3 minutes/hr (applies to A-~~11~~ 12 Flare)	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 ACTIVE LANDFILL
A-~~11~~ 12 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310	Y		≤ 0.15 grains/dscf (applies to A-~~11~~ 12 Flare only)	None	N	N/A
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours (applies to A-11 Flare only)	None	N	N/A
SO_2	BAAQMD Regulation 9-1-302	Y		≤ 300 ppm (dry basis) (applies to A-~~11~~ 12 Flare only)	BAAQMD Condition #1437, Part 12	P/A	Annual Source Test
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	N/A
NOx	BAAQMD Condition #1437, Part 10	Y		≤ 0.05~~6~~ lb/MMBTU (calculated as NO_2)	BAAQMD Condition #1437, Part 12	P/A	Annual Source Test
~~NOx~~	~~BAAQMD Condition #23024, Part 1~~	~~Y~~		~~40.90 tons per consecutive 12-month period (facility-wide limit)~~	~~BAAQMD Condition #23024, Part 2~~	~~P/M~~	~~Records~~
CO	BAAQMD Condition #1437, Part 11	Y		≤ 0.3 lb/MMBTU	BAAQMD Condition #1437, Part 12	P/A	Annual Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 ACTIVE LANDFILL
A-~~11~~ 12 LANDFILL GAS FLARE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Amount of Waste Accepted	BAAQMD Condition #1437, Part 1	Y		≤ 2600 tons/day (except for temporary situations approved by the LEA) and ≤ 19,840,000 tons (cumulative amount of all wastes) and ≤ 36,400,000 yd^3 (cumulative amount of all wastes)	BAAQMD Condition #1437, Part 15a	P/D	Records
Heat Input	BAAQMD Condition #1437, Part 8	Y		≤ ~~1,080~~3,576 MM BTU per day and ≤ ~~394,200~~1,305,240 MM BTU per year (applies to A-~~11~~ 12 Flare only)	BAAQMD Condition #1437, Part 8	P/D	Records
Landfill Gas Condensate Injection in Flare	BAAQMD Condition #1437, Part 14	N		≤ 5 gallons per minute ≤ ~~375,000~~1,500,000 gallons per year	BAAQMD Condition #1437, Part 15k	P/D	Records
Startup Shutdown or Malfunction Procedures	40 CFR 63.6(e)	Y	1/16/04	Minimize Emissions by Implementing SSM Plan	40 CFR 63.1980(a-b)	P/E	Records (all occurrences, duration of each, corrective actions)

VII. Applicable Limits and Compliance Monitoring Requirements

~~Table VII - B~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~S-3, S-4: DIESEL IC ENGINES~~

~~Type of Limit~~	~~Citation of Limit~~	~~FE Y/N~~	~~Future Effective Date~~	~~Limit~~	~~Monitoring Requirement Citation~~	~~Monitoring Frequency (P/C/N)~~	~~Monitoring Type~~
~~Opacity~~	~~BAAQMD Regulation 6-303.1~~	~~Y~~		~~Ringelmann No. 2 for 3 minutes in any hour~~	~~BAAQMD Condition #21582, Part 3~~	~~C~~	~~Observation for Visible Smoke~~
~~FP~~	~~BAAQMD Regulation 6-310~~	~~Y~~		~~0.15 gr/dscf~~	~~None~~	~~N~~	~~N/A~~
~~SO_2~~	~~BAAQMD Regulation 9-1-301~~	~~Y~~		~~Ground Level Concentrations: 0.5 ppm for 3 consecutive minutes, 0.25 ppm averaged over 60 consecutive minutes, 0.05 ppm averaged over 24 hours~~	~~None~~	~~N~~	~~N/A~~
~~SO_2~~	~~BAAQMD Regulation 9-1-304 and BAAQMD Condition #21582, Part 2~~	~~Y~~		~~Fuel Sulfur Limit 0.5%~~	~~BAAQMD Condition #21582, Part 2~~	~~P/M~~	~~Vendor Certification~~
~~NOx~~	~~BAAQMD Condition #23024, Part 1~~	~~Y~~		~~40.90 tons per consecutive 12-month period (facility-wide limit)~~	~~BAAQMD Condition #23024, Part 2~~	~~P/M~~	~~Records~~

VII. Applicable Limits and Compliance Monitoring Requirements

~~Table VII - C~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~S-5, S-6, S-6 – IC ENGINE GENERATOR SETS~~

~~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 6-301~~	~~Y~~	~~Upon Start-up~~	~~Ringelmann No. 1~~	~~None~~	~~N~~	~~N/A~~
~~FP~~	~~BAAQMD 6-310~~	~~Y~~	~~Upon Start-up~~	~~0.15 grains/dscf~~	~~None~~	~~N~~	~~N/A~~
~~TOC (Total Organic Compounds Plus Methane)~~	~~BAAQMD 8-34-301.2~~	~~Y~~	~~Upon Start-up~~	~~1000 ppmv as methane (component leak limit)~~	~~BAAQMD 8-34-501.6 and 8-34-503~~	~~P/Q~~	~~Quarterly Inspection and Records~~
~~Non-Methane Organic Compounds (NMOC)~~	~~BAAQMD 8-34-301.4~~	~~Y~~	~~Upon Start-up~~	~~98% removal by weight OR < 120 ppmv dry @ 3% O_2, expressed as methane~~	~~BAAQMD 8-34-412, 8-34-501.4, 8-34-501.11, and BAAQMD Condition #21583, Parts 8, 9, and 10~~	~~P/M, P/A~~	~~Key Emission Control System Operating Parameter Records and Annual Source Test~~
~~NMOC~~	~~BAAQMD Condition #21583, Part 7~~	~~Y~~	~~Upon Start-up~~	~~< 120 ppmv dry @ 3% O_2, expressed as methane~~	~~BAAQMD Condition #21583, Parts 8, 9, and 10~~	~~P/M, P/A~~	~~Key Emission Control System Operating Parameter Records and Annual Source Test~~
~~SO_2~~	~~BAAQMD 9-1-301~~	~~Y~~	~~Upon Start-up~~	~~Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes, ≤ 0.25 ppm for 60 minutes & ≤ 0.05 ppm for 24 hours~~	~~None~~	~~N~~	~~N/A~~

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-5, S-6, S-6 – IC ENGINE GENERATOR SETS

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 9-1-302	Y	Upon Start-up	300 ppm (dry)	BAAQMD Condition #1437, Part 12 (oxgen corrected flare test results may be substituted for IC engine SO_2 testing)	P/A	Annual Source Test of A-11 Flare, corrected to 0% excess oxygen
H_2S	BAAQMD 9-2-301	N	Upon Start-up	Property Line ground level limits $\leq$ 0.06 ppm Averaged over 3 minutes and $\leq$ 0.03 ppm Averaged over 60 minutes	None	N	N/A
NO_x	BAAQMD 9-8-301.2	Y	Upon Start-up	Fossil Fuel Gas, Lean-Burn 140 ppmv dry @ 15% O_2	BAAQMD Condition #21583, Part 9	P/A	Annual Source Test
NO_x	BAAQMD 9-8-302.1	Y	Upon Start-up	Waste Fuel Gas, Lean-Burn 140 ppmv dry @ 15% O_2	BAAQMD Condition #21583, Part 9	P/A	Annual Source Test
NO_x	BAAQMD Condition #21583, Part 5	Y	Upon Start-up	$\leq$ 0.6 g/bhp-hr expressed as NO_2 or 37 ppmv dry @ 15% O_2	BAAQMD Condition #21583, Part 9	P/A	Annual Source Test
NOx	BAAQMD Condition #23024, Part 1	Y		40.90 tons per consecutive 12-month period (facility-wide limit)	BAAQMD Condition #23024, Part 2	P/M	Records
CO	BAAQMD 9-8-301.3	Y	Upon Start-up	Fossil Fuel Gas: 2000 ppmv dry @ 15% O_2	BAAQMD Condition #21583, Part 9	P/A	Annual Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-5, S-6, S-6 – IC ENGINE GENERATOR SETS

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD 9-8-302.3	Y	Upon Start-up	Waste Fuel Gas: 2000 ppmv dry @ 15% O_2	BAAQMD Condition #21583, Part 9	P/A	Annual Source Test
CO	BAAQMD Condition #21583, Part 6	Y	Upon Start-up	≤ 2.1 g/bhp-hr or 215 ppmv dry @ 15% O_2	BAAQMD Condition #21583, Part 9	P/A	Annual Source Test
Heat Input	BAAQMD Condition #21583, Part 3	Y	Upon Start-up	≤ 252 MM BTU per day and ≤ 91,980 MM BTU per year (each engine)	BAAQMD Condition #21583, Parts 3 and 10	P/D	Records
Emission Control System Shutdown Time	BAAQMD 8-34-113.2	Y	Upon Start-up	240 hours/year	BAAQMD 8-34-501.2 and BAAQMD Condition #21583, Part 10a	P/D	Records
Key Emission Control System Operating Parameter (s)	BAAQMD Condition #21583, Part 8	Y	Upon Start-up		BAAQMD 8-34-501.3 and 8-34-509 and BAAQMD Condition #21583, Parts 8 and 10c	P/M	Key Emission Control System Operating Parameter Records
Natural Gas Usage	BAAQMD Condition #21583, Part 2	Y	Upon Start-up	Prohibited when flare is operating and unless it is needed as supplemental fuel	BAAQMD 8-34-501.2 and BAAQMD Condition #21583, Part 10b	P/M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

~~**Table VII - C**~~
~~**Applicable Limits and Compliance Monitoring Requirements**~~
~~**S-5, S-6, S-6 – IC ENGINE GENERATOR SETS**~~

~~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 Condition #21583, Parts 1 & 2~~	~~Y~~	~~Upon Start-up~~	~~Vent all collected gases to a properly operating control system and operate control system continuously.~~	~~BAAQMD Condition #21583, Part 4~~	~~C~~	~~Gas Flow Meter~~
~~Gas Flow~~	~~BAAQMD 8-34-301 and 301.1~~	~~Y~~	~~Upon Start-up~~	~~Vent all collected gases to a properly operating control system and operate control system continuously.~~	~~BAAQMD 8-34-501.10 and 508~~	~~C~~	~~Gas Flow Meter and Recorder (every 15 minutes)~~

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-8: PORTABLE DIESEL IC ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-303.1	Y		Ringelmann No. 2 for 3 minutes in any hour	None	N	N/A
FP	BAAQMD Regulation 6-310	Y		0.15 gr/dscf	None	N	N/A
Diesel PM	CCR Section 93116.3(b)(2)(A)	N		0.30 g/bhp-hr	CCR Section 93116.3(b)(2)(A)	N	Engine Model Emissions Certification

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-8: PORTABLE DIESEL IC ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NMHC+ NOx	CCR Section 93116.3(b)(2)(A)	N		5.6 g/bhp-hr	CCR Section 93116.3(b)(2)(A)	N	Engine Model Emissions Certification
SO_2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentrations: 0.5 ppm for 3 consecutive minutes, 0.25 ppm averaged over 60 consecutive minutes, 0.05 ppm averaged over 24 hours	None	N	N/A
SO_2	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	BAAQMD Condition #23022, Part 1	P/M	Vendor Certification
SO_2	CCR Section 93116.3(a) and BAAQMD Condition #23022	N		CARB Diesel Fuel (0.05% sulfur by weight)	BAAQMD Condition #23022, Part 1	P/M	Vendor Certification
NOx	BAAQMD Condition #23024, Part 1	Y		40.90 tons per consecutive 12-month period (facility-wide limit)	BAAQMD Condition #23024, Part 2	P/M	Records
CO	CCR Section 93116.3(b)(2)(A)	N		3.7 g/bhp-hr	CCR Section 93116.3(b)(2)(A)	N	Engine Model Emissions Certification

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-303.1	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate
BAAQMD 8-2-301	Organic Compound Emission Limitation for Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A
BAAQMD 8-34-301.2	Collection and Control System Leak Limitations	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.3	Limits for Flares	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
BAAQMD 8-34-301.4	Limits for Other Emission Control Systems	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
BAAQMD 8-34-303	Landfill Surface Requirements	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-305.1	Wellhead Gauge Pressure	APCO Approved Device
BAAQMD 8-34-305.2	Wellhead Temperature	APCO Approved Device
BAAQMD 8-34-305.3	Wellhead Nitrogen	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-305.4	Wellhead Oxygen	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-34-412	Compliance Demonstration Test	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
BAAQMD 8-40-116.2	Organic Content Limit for Small Volume Exemption	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B
BAAQMD 8-40-301	Limits on Uncontrolled Aeration of Contaminated Soil	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21
BAAQMD 9-1-301	Limitations on Ground Level Concentrations (SO_2)	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-1-302	General Emission Limitation (SO_2)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides, Integrated Sample
BAAQMD 9-2-301	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
BAAQMD 9-8-301.2	Fossil Fuel Emission Limit (NO_x)	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling or ST-13B, Oxides of Nitrogen, Integrated Sample and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-301.3	Fossil Fuel Emission Limit (CO)	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.1	Waste Derived Fuel Emission Limit (NO_x)	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling or ST-13B, Oxides of Nitrogen, Integrated Sample and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-8-302.3	Waste Derived Fuel Emission Limit (CO)	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
40 CFR 60.8	Performance Tests	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition #1437, Part 2	Acceptance Criteria for Soils containing VOCs (VOC determination)	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21
BAAQMD Condition #1437, Part 3	Low VOC Soils for Landfill Cover	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; and EPA Reference Method 21
BAAQMD Condition #1437, Part 8	Heat Input Limits	APCO approved gas flow meter and APCO approved calculation procedure described in BAAQMD Condition # 1437, Part 8
BAAQMD Condition #1437, Part 9	Flare Combustion Temperature Limit	APCO Approved Device
BAAQMD Condition #1437, Part 10	Flare NOx Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #1437, Part 11	Flare CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21582, Part 2	Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil
BAAQMD Condition #21583, Part 3	Heat Input Limits	APCO approved gas flow meter and APCO approved calculation procedure described in BAAQMD Condition # 18696, Part 3
BAAQMD Condition #21583, Part 5	IC Engine NOx Limit	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21583, Part 6	IC Engine CO Limit	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Condition #21583, Part 7	IC Engine NMOC Limit	Manual of Procedures, Volume IV, ST-7, Organic Compounds and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 18, 25, 25A, or 25C
BAAQMD Condition #21583, Part 8	Key Emission Control System Operating Parameter(s)	APCO Approved Devices and Location

IX. PERMIT SHIELD

A. SUBSUMED REQUIREMENTS

Pursuant to District Regulations 2-6-233.2 and 2-6-409.12, as of the date this permit is issued, the federally enforceable monitoring, recordkeeping, and reporting requirements cited in the following table for the source or group of sources identified at the top of the table are subsumed by the monitoring, recordkeeping, and reporting for more stringent requirements or by a "hybrid" monitoring scheme. The District has determined that compliance with the requirements listed below and elsewhere in this permit will assure compliance with the substantive requirements of the subsumed monitoring requirements. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the subsumed monitoring requirements cited.

Table IX-A
S-1 ACTIVE LANDFILL

Subsumed Requirement Citation	Title or Description	Streamlined Requirements	Title or Description
8-2-601	**Determination of Compliance (for organic compound emissions as total carbon)**	**8-40-604**	**Measurement of Organic Concentration (to classify soil as "contaminated" or "not contaminated")**

The Regulation 8, Rule 2 total carbon test procedure is subsumed by the Regulation 8, Rule 40 VOC test procedure for the Active Landfill (S-1) because testing performed pursuant to Regulation 8-40-604 will rule out the need to test in accordance with Regulation 8-2-601.

Regulation 8, Rule 2 "Miscellaneous Operations" is only applicable to sources of precursor organic compounds that are not otherwise limited by Regulation 8 or Regulation 10 rules. In the case of the Landfill S-1, Regulation 8, Rule 2 would apply only to cover soil that contains some VOC, but is not defined as "contaminated soil" by Regulation 8-40-205. Soil which has an organic content exceeding 50 ppmw or that registers an organic concentration greater than 50 ppmv (expressed as methane, C1) is subject to Regulation 8, Rule 40.

Regulation 8-2-301 limits organic compound emissions (expressed as total carbon)

IX. Permit Shield

from an operation to 15 pounds per day, if the emission from the operation has an organic compound concentration greater than 300 ppmv (expressed as total carbon, dry basis). Since soil found not to be contaminated using the procedures of Regulation 8-40-604 will have a surface VOC concentration of less than 50 ppmv (expressed as methane, C1) it can reasonably be assumed that the concentration is also less than 300 ppmv (total carbon, dry basis) as determined by the procedures of Regulation 8-2-601. Since the operation complies with the 300 ppmv limit, it complies with Regulation 8-2-301.

In summary, measurements conducted under Regulation 8-40-604 that show surface VOC concentrations less than 50 ppmv (expressed as methane, C1) are conclusive to demonstrate compliance with Regulation 8-2-301.

X. REVISION HISTORY

Title V Permit Issuance (Application 2619): July 10, 2003

Minor Permit Revision (Applications 7300, 7835, 8255, and 9220): January 12, 2005

- Updated gas collection well totals in the Landfill source description to reflect recent construction activities.
- Added existing Diesel IC Engines S-3 and S-4 to Title V permit.
- Added proposed Landfill Gas Fired IC Engine Generator Sets S-5, S-6, and S-7.
- Removed proposed Landfill Gas Fired IC Engine Generator Set S-2. (Application #3539 withdrawn by applicant)
- Added new Landfill Gas Flare A-11 and removed existing Flare A-10.
- Updated Generally Applicable Requirements (Table III).
- Updated tables and permit conditions to reflect the additions and removals of permitted and proposed equipment.
- Updated tables to remove future effective dates that have since passed.
- Added Section X "Revision History" and renumbered the "Glossary" and "Applicable State Implementation Plan" as Sections XI and XII.

Minor Permit Revision (Application #11729) July 13, 2006

- Update the gas collection well total in Table II A, S-1 to reflect recent construction under Authority to Construct #11729.
- Modify Sections III and IV state that SIP standards are now found on EPA's website and are not included as part of the permit. The updated website address has been added.
- Modify Permit Condition #1437, part 6 to account for changes to the landfill gas collection system.
- Add paragraph to standard text of Section VII to clarify that Sections I-VI take precedence if there is a conflict with the VII Tables.
- Remove Section XII "Applicable State Implementation Plan". The address for EPA's website is now found in Sections III and IV.

X. Revision History

Minor Permit Revision (Application #14076) January 28, 2007

- Add new Portable Compressor Diesel Engine to Title V permit.
- Add facility-wide NOx emissions limit via new Permit Condition #23023.

Minor Permit Revision (Application 15618) *(insert date)*

- Change Responsible Official and Plant Contact.
- Delete flare A-11 and replace with new flare A-12 and A-12 requirements.
- Delete sources S-5, S-6, S-7, which were not installed.
- Delete sources S-3, S-4, which were removed from service.
- Add alternate well temperature limits.
- Update well count and add proposed gas collection system modifications.

XI. GLOSSARY

ACT
Federal Clean Air Act

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

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

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

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CARB
California Air Resources Board (same as ARB)

CEQA
California Environmental Quality Act

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

CH4 or CH_4
Methane

XI. Glossary

CO
Carbon Monoxide

CT
Combustion Zone Temperature

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

District
The Bay Area Air Quality Management District

EG
Emission Guidelines

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District regulations.

Federally Enforceable, FE
All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (MACT), and Part 72 (Permits Regulation, Acid Rain), including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

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

H2S or H_2S
Hydrogen Sulfide

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

XI. Glossary

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

LEA
Local Enforcement Agency

LFG
Landfill gas

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

MAX or Max.
Maximum

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

MIN or Min.
Minimum

MOP
The District's Manual of Procedures.

MSW
Municipal solid waste

MW
Molecular weight

N2 or N_2
Nitrogen

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

XI. Glossary

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

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx or NO_x
Oxides of nitrogen.

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

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

O2 or O_2
Oxygen

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

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

POC
Precursor Organic Compounds

PM
Particulate Matter

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

XI. Glossary

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

RMP
Risk Management Plan

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

SO2 or SO_2
Sulfur dioxide

SSM
Startup, Shutdown, or Malfunction

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

THC
Total Hydrocarbons (NMHC + Methane)

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

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

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Policy

TRS
Total Reduced Sulfur

XI. Glossary

TSP
Total Suspended Particulate

VOC
Volatile Organic Compounds

Symbols:

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

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
BTU	=	British Thermal Unit
°C	=	degrees Centigrade
cfm	=	cubic feet per minute
dscf	=	dry standard cubic feet
°F	=	degrees Fahrenheit
ft^3	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
gr	=	grains
hp	=	horsepower
hr	=	hour
lb	=	pound
lbmol	=	pound-mole (eq. to molecular weight of compound x lb)
in	=	inches
m^2	=	square meter
m^3	=	cubic meters
min	=	minute
mm	=	million
MM	=	million
MM BTU	=	million BTU
MMcf	=	million cubic feet
Mg	=	mega grams
ppb	=	parts per billion
ppbv	=	parts per billion, by volume

XI. Glossary

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