Bay Area Air Quality Management District

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

~~Final~~Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

BFI – The Recyclery, and
International Disposal Corporation of CA (Newby Island Landfill)
Facility # A5472 and Facility # A9013

Facility Address:
1601 Dixon Landing Road
Milpitas, CA 95035

Mailing Address:
Same As Above

Responsible Official	**Facility Contact**
~~Gil Cheso~~Rick King, ~~Plant~~ General Manager	~~Gil Cheso~~Rick King, ~~Plant~~ General Manager
(408) 945-2802	(408) 945-2802

Type of Facility:	Class III Landfill and Recyclery	BAAQMD Permit Division Contact:
Primary SIC:	4953	~~Randy E. Frazier~~Judith Cutino, P.E.
Product:	Solid Waste	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

~~Signed by Jeff McKay~~ _____ ~~August 25, 2006~~

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~~ 5/4/11);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on ~~8/1/01~~ 4/18/12);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on ~~5/17/00~~ 6/15/05);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on ~~5/17/00~~ 12/21/04);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); ~~and~~
BAAQMD Regulation 2, Rule 5 - Permits, New Source Review of Toxic Air Contaminants
(as amended by the District Board on 1/6/10);
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on ~~5/2/01~~ 4/16/03); and
SIP Regulation 2, Rule 6 - Permits, Major Facility Review
(as approved by EPA through 6/23/95).

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

1. This Major Facility Review Permit was issued on ~~February 5, 2004~~ [enter issuance date] and expires on ~~January 31, 2009~~[enter 5th anniversary of issuance date]. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than ~~July 31, 2008~~[enter date 6 months prior to permit expiration date], and no earlier than ~~January 31, 2008~~[enter date 12 months prior to expiration date]. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** ~~January 31, 2009~~ [enter expiration date]. If a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the district takes final action on the renewal application**.** (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)

I. Standard Conditions

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

I. Standard Conditions

11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)

12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

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

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment 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 February 5, 2004 to July 31, 2004. The report shall be submitted by August 31, 2004. Subsequent r~~Reports shall be for the following periods: August 1st through January 31st and ~~January~~ February 1st through July 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

I. Standard Conditions

address:

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

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

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be February 1st ~~to~~ through January 31st. The certification shall be submitted by February 28th of each year (or February 29th during leap years). 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

I. Standard Conditions

Section 42350 et seq. (MOP Volume II, Part 3, §4.8)

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

I. Severability

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

J. Miscellaneous Conditions

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

II. EQUIPMENT LIST

A. Permitted Source List

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

Table II – A
Permitted Sources

~~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-2 (Facility # A9013)	Newby Island Sanitary Landfill - Waste Decomposition Process~~, with Gas Collection System (Facility # A9013)~~ Equipped with Landfill Gas Collection System	An active solid waste disposal site that accepts municipal, commercial, agricultural, industrial, construction, and demolition wastes and that is equipped with an active landfill gas collection system. Active		Maximum Design Capacity = 50.8 E6 yd^3 Maximum Predicted Total Waste In Place = 39.0 E6 tons Maximum Waste Acceptance Rate = 4,000 tons/day Vertical Wells =~~179~~ 233 Horizontal Collectors = 11 Including modifications authorized pursuant to Condition 10423, Part 6a and 6b.
S-3 (Facility # A5472)	Composting Operation ~~(Facility # A5472)~~	Composting, Storage, and Material Handling		N/A
S-4 (Facility # A9013)	Gasoline Dispensing Facility (~~Facility # A9013 and~~ G# 9641)	Phase I/Phase II Vapor Recovery		500 gallon capacity tank, 1 gasoline nozzle
~~S-5~~	~~Tub Grinder (Facility # A5472)~~	~~Diamond Z~~	~~PWG 1463~~	~~80 tons/hour~~
~~S-6~~	~~Tub Grinder Engine, diesel fired (Facility # A5472)~~	~~Caterpillar~~	~~3412 DITA~~	~~750 BHP, 3.84 MM BTU/hr, 28.0 gal/hr diesel~~

II. Equipment List

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-7~~	~~Trommel Screen (Facility # A5472)~~	~~Power Screen~~	~~#616~~	~~30 tons/hour~~
S-5 (Facility # A9013)	Newby Island Sanitary Landfill -Waste and Cover Material Dumping	N/A	N/A	Maximum Waste Acceptance Rate = 4,000 tons/day
S-6 (Facility # A9013)	Newby Island Sanitary Landfill - Excavating, Bulldozing and Compacting Activities	N/A	N/A	N/A

B. Abatement Device List

Table II – B
Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-1 (Facility # A9013)	Landfill Gas Flare #1 ~~(Facility # A9013)~~	S-2 (Facility # A9013)	BAAQMD Regulation 8-34-301.3, see also Table IV-A	Minimum combustion zone temperature of 1525 °F, see also Table VII-A	Either 98% by weight destruction of NMOC, or < 30 ppmv NMOC (as CH_4 at 3% O_2, dry)
A-2 (Facility # A9013)	Landfill Gas Flare #2 ~~(Facility # A9013)~~	S-2 (Facility # A9013)	BAAQMD Regulation 8-34-301.3, see also Table IV-A	Minimum combustion zone temperature of 1400 °F, see also Table VII-A	Either 98% by weight destruction of NMOC, or < 30 ppmv NMOC (as CH_4 at 3% O_2, dry)
A-3 (Facility # A5472)	Water Truck ~~(Facility # A5472)~~	S-3 (Facility # 5472)	BAAQMD Regulation 6-301	None	Ringelmann No. 1
~~A-7~~	~~Water Sprays (Facility # A5472)~~	~~S-5, S-7~~	~~BAAQMD Regulation 6-301~~	~~None~~	~~Ringelmann No. 1~~

II. Equipment List

Significant Source List

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

Table II – C
Significant Sources

S-#	Description	Type or Make and Model	Capacity	Comments
S-8	PERP Registered Horizontal Grinder/Operations – BAAQMD Exempt (Facility #5472)	CAT S/N TLD00456 Caterpillar Model C32	80 Tons/hr	Exempt from BAAQMD permitting requirements per Regulation 2-1-105
S-9	PERP Registered RegisteredTrommel Screen/Operations – BAAQMD Exempt (Facility #5472)	Variable as needed: Powerscreen 830 Morbarc 837 Wildcat 626	 1 Ton/Hr Max 50 tph 80 tph	Exempt from BAAQMD permitting requirements per Regulation 2-1-105

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 the SIP requirements are posted~~is~~ on the EPA Region 9~~'s~~ website. The address is~~: included at the end of this permit~~.

http://yosemite.epa.gov/R9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide-+Provisions

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (~~5/2/01~~5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	Permits – General Requirements (~~8/1/01~~4/18/12)	N
BAAQMD 2-1-429	Permits – Federal Emissions Statement (~~6/7/95~~12/21/04)	~~Y~~N
SIP Regulation 2, Rule 1	Permits – General Requirements (1/26/99)	Y
SIP Regulation 2-1-429	Permits – Federal Emissions Statement (4/3/95)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 2, Rule 5	Permits – New Source Review of Toxic Air Contaminants (1/6/10)	N
BAAQMD Regulation 5	Open Burning (~~3/6/02~~7/9/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter ~~and Visible Emissions~~ – General Requirements (~~12/19/90~~12/5/07)	~~Y~~N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds – General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (~~6/15/94~~7/20/05)	~~Y~~N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (~~11/21/01~~7/1/09))	N
SIP Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (~~2/18/98~~1/2/04)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)	~~N~~Y
~~SIP Regulation 8, Rule 4~~	~~Organic Compounds – General Solvent and Surface Coating Operations (12/23/97)~~	~~Y~~
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	~~N~~Y
~~SIP Regulation 8, Rule 16~~	~~Organic Compounds – Solvent Cleaning Operations (12/9/94)~~	~~Y~~
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds – Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds – Adhesive and Sealant Products (7/17/02)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 8, Rule 51	Organic Compounds – Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)	N
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants – Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants – Asbestos Containing Serpentine (7/17/91)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance – Sandblasting (9/2/81)	Y
California Health and Safety Code, Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code, Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code, Title 17, Section 93105.	Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying and Surface Mining Operations (7/26/01)	N
California Health and Safety Code, Title 17, Section 93106.	Asbestos Airborne Toxic Control Measure for Asbestos Containing Serpentine (7/20/00)	N
California Health and Safety Code, Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/19/11)	N
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/3/10)	Y
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (~~6/19/95~~7/20/04)	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~~ are posted on the EPA Region 9~~'s~~ website. The address is~~:~~ ~~included at the end of this permit.~~

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

All other text may be found in the regulations themselves.

Table IV – A
Source-Specific Applicable Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (~~5/2/2001~~5/4/11)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation > hours	Y	
1-523.2	Limit on periods of inoperation	Y	
1-523.3	Report~~s~~ing requirements for ~~of V~~violations of any applicable limits	N	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	
1-523.5	Maintenance and calibration	N	

IV. Source Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 1	**General Provisions and Definitions (6/28/~~19~~99)**		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y[1]	
1-523.3	Reports of Violations	Y[1]	
1-523.5	Maintenance and calibration	Y[1]	
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringlemann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particle Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
~~BAAQMD~~ SIP Regulation 6	**Particulate Matter and Visible Emissions (~~12/19/1990~~9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particle Weight Limitation (applies to A-1 & A-2 only)	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations (applies to low VOC soil handling and disposal activities only)	Y	
~~**BAAQMD SIP Regulation 8, Rule 2**~~	~~**Organic Compounds – Miscellaneous Operations (3/22/1995)**~~		
~~8-2-301~~	~~Miscellaneous Operations (applies to low VOC soil handling and disposal activities only)~~	~~Y~~	

IV. Source Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (~~10/6/1999~~6/15/05)**		
8-34-113	Limited Exemption, Inspection and Maintenance	Y	
8-34-113.1	Emission Minimization Requirement	Y	
8-34-113.2	Shutdown Time Limitation	Y	
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	
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	

IV. Source Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-301.1	Continuous Operation	Y	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	
8-34-301.3	Limits for Enclosed Flares (applies to A-1 & A-2 only)	Y	
8-34-301.4	Limits for Other Emission Control Systems (Permit Holder shall ensure that Facility # B1670 will comply with this requirement whenever landfill gas is vented to the IC Engines: S-2, S-3, S-4, S-5, S-8, S-9, S11; at Facility # B1670)	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 (unless operating under alternative wellhead requirements)	Y	
8-34-305.1	~~Operate Under~ Wellhead Vacuum Requirement	Y	
8-34-305.2	Wellhead Temperature Limit~~< 55 °C~~	Y	
8-34-305.3	Nitrogen ~~< 20%~~ Concentration Limit for Wellhead Gas or	Y	
8-34-305.4	Oxygen ~~< 5%~~Concentration for Wellhead Gas	Y	
8-34-405	Design Capacity Reports	Y	
8-34-408	Collection and Control System Design Plans	Y	
8-34-408.2	Sites With Existing Collection and Control Systems	Y	
8-34-411	Annual Report	Y	
8-34-412	Compliance Demonstration Tests	Y	
8-34-413	Performance Test Report	Y	
8-34-414	Repair Schedule for Wellhead Excesses	Y	
8-34-414.1	Records of Excesses	Y	
8-34-414.2	Corrective Action	Y	
8-34-414.3	Collection System Expansion	Y	
8-34-414.4	Operational Due Date for Expansion	Y	
8-34-415	Repair Schedule for Surface Leak Excesses	Y	
8-34-415.1	Records of Excesses	Y	

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Table IV – A
Source-Specific Applicable Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-415.2	Corrective Action	Y	
8-34-415.3	Re-monitor Excess Location Within 10 Days	Y	
8-34-415.4	Re-monitor Excess Location Within 1 Month	Y	
8-34-415.5	If No More Excesses, No Further Re-Monitoring	Y	
8-34-415.6	Additional Corrective Action	Y	
8-34-415.7	Re-monitor Second Excess Within 10 days	Y	
8-34-415.8	Re-monitor Second Excess Within 1 Month	Y	
8-34-415.9	If No More Excesses, No Further Re-monitoring	Y	
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	Y	
8-34-415.11	Operational Due Date for Expansion	Y	
8-34-416	Cover Repairs	Y	
8-34-501	Operating Records	Y	
8-34-501.1	Collection System Downtime	Y	
8-34-501.2	Emission Control System Downtime	Y	
8-34-501.3	Continuous Temperature Records for Enclosed Combustors (applies to A-1 & A-2 only)	Y	
8-34-501.4	Testing	Y	
8-34-501.6	Leak Discovery and Repair Records	Y	
8-34-501.7	Waste Acceptance Records	Y	
8-34-501.8	Non-decomposable Waste Records	Y	
8-34-501.9	Wellhead Excesses and Repair Records	Y	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	
8-34-501.11	Records of Key Emission Control System Operating Parameters (Permit Holder shall ensure that Facility # B1670 will comply with this requirement whenever landfill gas is vented to the IC Engines: S-2, S-3, S-4, S-5, S-8, S-9, S11; at Facility # B1670)	Y	
8-34-501.12	Records Retention for 5 Years	Y	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	
8-34-504	Portable Hydrocarbon Detector	Y	
8-34-505	Well Head Monitoring	Y	
8-34-506	Landfill Surface Monitoring	Y	

IV. Source Specific Applicable Requirements

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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-34-507	Continuous Temperature Monitor and Recorde~~d~~r (applies to A-1 & A-2 only)	Y	
8-34-508	Gas Flow Meter	Y	
8-34-509	Key Emission Control System Operating Parameter(s) (Permit Holder shall ensure that Facility # B1670 will comply with this requirement whenever landfill gas is vented to the IC Engines: S-2, S-3, S-4, S-5, S-8, S-9, S11; at Facility # B1670)	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 (~~12/15/1999~~6/15/05)**		
8-40-110	Exemption, Storage Pile	Y	
8-40-112	Exemption, Sampling	Y	
8-40-113	Exemption, Non-Volatile Hydrocarbons	Y	
8-40-116	Exemption, Small Volume	Y	
8-40-116.1	Volume does not exceed 1 cubic yard	Y	
8-40-116.2	Volume does not exceed 8 cubic yards, organic content does not exceed 500 ppmw, may be used only once per quarter	Y	
8-40-117	Exemption, Accidental Spills	Y	
8-40-118	Exemption, Aeration Projects of Limited Impact	Y	
8-40-301	Uncontrolled Contaminated Soil Aeration	Y	
8-40-304	Active Storage Piles	Y	
8-40-305	Inactive Storage Piles	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/~~19~~95)**		
9-1-301	Limitations on Ground Level Concentrations (applies to A-1/A-2 only)	Y	
9-1-302	General Emission Limitations (applies to A-1/A-2 only)	Y	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/~~19~~99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	

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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 (~~5/4/1998~~9/13/10)**		
60.4	Address	Y	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	
60.7	Notification and Record Keeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.11(a)	Compliance determined by performance tests	Y	
60.11(d)	Control devices operated using good air pollution control practice	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
60.13(a)	Applies to all continuous monitoring systems	Y	
60.13(b)	Monitors shall be installed and operational before performing performance tests	Y	
60.13(e)	Continuous monitors shall operate continuously	Y	
60.13(f)	Monitors shall be installed in proper locations	Y	
60.13(g)	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/~~19~~99)**		
60.36c	Compliance Times	Y	
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	
40 CFR Part 62	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (9/20/~~20~~01)**		
62.1115	Identification of Sources	Y	

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Source-Specific Applicable Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (~~3/16/1994~~12/22/08)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	
63.6(f)	Compliance with non-opacity emission standards	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(b)(2)	For affected sources, maintain relevant records of:	Y	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	
63.10(b)	General reporting requirements	Y	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	
40 CFR Part 63, Subpart AAAA	**National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (~~1/16/2003~~4/20/06)**		
63.1945	When do I have to comply with this Subpart?	Y	
63.1945(b)	Compliance date for existing affected landfills	Y	
63.1955	What requirements must I meet?	Y	
63.1955(a)	Comply with either 63.1955(a)(1) or (a)(2)	Y	
63.1955(a)(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	

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Table IV – A
Source-Specific Applicable Requirements
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Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 # 10423			
Part 1	Design capacity and waste acceptance rate limits (Regulations 2-1-234.3 and 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	Emission limit for low VOC soils (Regulation 8-2-301)	Y	
Part 4	Particulate emission control measures (Regulations 2-1-403, 6-1-301, and 6-1-305)	Y	
Part 5	Control requirements for collected landfill gas (Regulation 8-34-301.1 and 8-34-404)	Y	
Part 6	Landfill gas collection system description (Regulations 2-1-301, 8-34-301.1, ~~8-34-303,~~ 8-34-304, and 8-34-305)	Y	
Part 7	Landfill gas collection system operating requirements (Regulation 8-34-301.1)	Y	
Part 8	Flare heat input limits (Regulation 2-1-301)	Y	
Part 9	Flare temperature limits (~~Toxic Risk Management Policy and~~ Regulation 2-5-301, 2-5-302, and 8-34-301.3)	Y	

IV. Source Specific Applicable Requirements

Table IV – A
Source-Specific Applicable Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 10a	Landfill gas sulfur content limit -and monitoring~~Emission Limits for total reduced sulfur.~~ (Regulation 9-1-302)	Y	
Part 10b	Limits for flare gas NOx (RACT, Cumulative Increase)		
Part 11	Annual source test (Regulations 8-34-301.3 and 8-34-412)	Y	
Part 12	Annual landfill gas characterization test (~~Toxic Risk Management Policy~~ AB-2588 Air Toxics Hot Spots Act 2-5-302, and Regulation 8-34-412, and 9-1-302)	Y	
Part 13	Record keeping requirements (Cumulative Increase, Regulations 2-1-301, 2-6-501, 6-1-301, 6-1-305~~, 8-2-301,~~ 8-34-301, 8-34-304, and 8-34-501)	Y	
Part 14	Reporting periods and report submittal due dates for the Regulation 8, Rule 34 report (Regulation 8-34-411 and 40 CFR 63.1980(a))	Y	

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

IV. Source Specific Applicable Requirements

Table IV – B
Source-Specific Applicable Requirements
S-3 COMPOSTING OPERATION
A-3 WATER TRUCK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-401	Appearance of Emissions	N	
~~BAAQMD~~ SIP Regulation 6	**Particulate Matter and Visible Emissions (~~12/19/1990~~9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Condition #8178			
Part 1	Particulate emission control measures – material handling (Regulations 2-1-403, 6-1-301, and 6-1-305)	Y	
Part 2	Particulate emission control measures – roadways (Regulations 2-1-403, 6-1-301, and 6-1-305)	Y	
Part 3	Visible emissions and dust fallout (Regulations 1-301, 2-1-403, 6-1-301, and 6-1-305)	Y	
Part 4	Observation of Emissions Source (Regulations 2-1-403, 6-1-301, and 6-1-305)	Y	
Part 5	"Public Nuisance" permitting requirement (Regulations 1-301 and 2-1-317)	N	

IV. Source Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (~~11/27/2002~~10/18/06)**		
8-5-116	Exemption, Gasoline Storage Tanks at Gasoline Dispensing Facilities	N	
~~8-5-301~~	~~Storage Tank Control Requirements~~	~~N~~	
~~8-5-303~~	~~Requirements for Pressure Vacuum Valves~~	~~N~~	
~~8-5-501~~	~~Records~~	~~N~~	
~~8-5-501.1~~	~~Types and amounts of materials stored~~	~~N~~	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (~~10/10/2001~~6/5/03)**		
8-5-206	Gas Tight	Y	
8-5-301	~~Storage Tanks Smaller Than 150 m^3~~Storage Tank Control Requirements	Y~~,1~~	
~~8-5-301.1~~	~~Submerged Fill Pipe~~	~~Y,1~~	
~~8-5-302~~	~~Above Ground Gasoline Storage Tanks Smaller Than 75 m^3~~	~~Y,1~~	
8-5-303	Requirements for Pressure Vacuum Valve	Y	
8-5-303.1	Pressure Setting	Y	
8-5-303.2	Gas Tight	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valve	Y	
8-5-501	Records	Y	
8-5-501.1	Types and Amounts of Material Stored	Y	
8-5-503	Portable Hydrocarbon Detector	Y	
BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (11/6/~~20~~02)**		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	~~N~~Y	
8-7-301	Phase I Requirements		
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers	Y	
8-7-301.2	CARB Certification Requirements	Y	
8-7-301.3	Submerged Fill Pipe Requirement	Y	
8-7-301.5	Maintenance and Operating Requirement	Y	
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-301.7	Fitting Requirements for Vapor Return Line	Y	

IV. Source Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-301.8	Coaxial Phase I Systems Certified by CARB prior to January 1, 1994 may not be installed on New or Modified Systems	Y	
8-7-301.9	Anti-rotational Coupler or Swivel Adapter Required	Y	
8-7-301.10	Vapor Recovery Efficiency Requirements for New and Modified Systems	Y	
8-7-301.12	Spill Box Drain Valve Limitation	Y	
8-7-301.13	Annual Vapor Tightness Test Requirement	~~N~~Y	
8-7-302	Phase II Requirements		
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	~~N~~Y	
8-7-302.4	Repair Time Limit for Defective Components	~~N~~Y	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-302.6	Requirements for Bellows Nozzles	Y	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose Requirement	Y	
8-7-302.10	Construction Materials Specifications	~~N~~Y	
8-7-302.12	Liquid Retain Limitation	~~N~~Y	
8-7-302.13	Nozzle Spitting Limitation	~~N~~Y	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	~~N~~Y	
~~8-7-302.15~~	~~Annual Testing Requirements for Vacuum Assist Systems~~	~~N~~	
8-7-303	Topping Off	Y	
~~8-7-304~~	~~Certification Requirements~~	~~Y~~	
8-7-306	Prohibition of Use	~~N~~Y	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
~~8-7-314~~	~~Hold-Open Latch Requirements~~	~~Y~~	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing Requirements	~~N~~Y	
8-7-408	Periodic Testing Notification and Submission Requirements	~~N~~Y	
8-7-501	Burden of Proof	Y	

IV. Source Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-502	Right of Access	Y	
8-7-503	Recordkeeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	~~N~~Y	
~~**SIP Regulation 8, Rule 7**~~	~~**Organic Compounds, Gasoline Dispensing Facilities (7/25/2001)**~~		
~~8-7-302.3~~	~~Proper Operation and Free of Defects Requirements~~	~~Y~~[1]	
~~8-7-302.4~~	~~Repair Time Limit for Defective Components~~	~~Y~~[1]	
~~8-7-302.10~~	~~Construction Materials Specifications~~	~~Y~~[1]	
~~8-7-302.12~~	~~Liquid Retain Limitation~~	~~Y~~[1]	
~~8-7-302.13~~	~~Nozzle Spitting Limitation~~	~~Y~~[1]	
~~8-7-306~~	~~Prohibition of Use~~	~~Y~~[1]	
~~8-7-503.3~~	~~Records Retention Time~~	~~Y~~[1]	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants- General Provisions (9/13/10)**		
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.8	Monitoring requirements	Y	
63.10	Record keeping and reporting requirements	Y	
63.10(b)	General record keeping requirements	Y	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	
63.10(d)	General reporting requirements	Y	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	
40 CFR Part 63, Subpart CCCCCC	**National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities (1/24/2011)**		
63.11110	What is the purpose of this subpart?	Y	
63.11111	Am I Subject to the requirements in this subpart	Y	

IV. Source Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.11111(a)	Each GDF that is located at an area source	Y	
63.11111(b)	Monthly throughput of 10,000 gallons of gasoline or less subject to 63.11116	Y	
63.11111(e)	Demonstrate their monthly throughput level as specified in 63.11112(d)	Y	
63.11111(i)	If throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold	Y	
63.11112	What parts of my affected source does this subpart cover?	Y	
63.11112(a)	Gasoline storage tanks and associated equipment components in vapor or liquid gasoline service	Y	
63.11112(d)	An affected source is an existing affected source if it is not new or reconstructed	Y	
63.11113	When do I have to comply with this subpart?	Y	
63.11113(c)	If affected source becomes subject to control requirements in this subpart because of monthly throughput increases per 63.11111(c) , you must comply with standard no later than 3 years after the affected source is subject to control requirements	Y	
63.11113(e)	Initial compliance demonstration test	Y	
63.11113(e)(2)	For existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i)	Y	
63.11113(e)(2)(i)	For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraph c of this section.	Y	
63.11115	What are my general duties to minimize emissions?	Y	
63.1115(a)	Operate and maintain affected source safety and to minimize emissions	Y	
63.1115(b)	Keep applicable records and submit reports as specified in 63.11125(d) and 63.11126(b)	Y	
63.11116	Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline	Y	
63.11116(a)	Gasoline handling requirements	Y	
63.11116(a)(1)	Minimize gasoline spills	Y	
63.11116(a)(2)	Clean up spills as expeditiously as practicable	Y	

IV. Source Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.11116(a)(3)	Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use	Y	
63.11116(a)(4)	Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices- such as oil/water separators	Y	
63.11117	Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more	Y	
63.11117(a)	Comply with the requirements in section 63.11116(a)	Y	
63.11117(b)	Only load gasoline into storage tanks utilizing submerged filling as defined in 63.11132 and as specified below	Y	
63.11117(b)(1)	Submerged fill pipes installed on or before November 9, 2006 must be no more than 12 inches from the bottom of the tank.	Y	
63.11117(d)	Throughput records available within 24 hours	Y	
63.11117(e)	You must submit the applicable notification as specified in 63.11124(a)	Y	
63.11117(f)	You must comply with the requirements of this subpart by the applicable dates contained in 63.11113	Y	
63.11124	What notifications must I submit and when?	Y	
63.11124(a)	If subject to the control requirements in Section 63.11117, you must comply with (a)(1-3)	Y	
63.11124(a)(3)	Waiver of notification requirements if operating incompliance with a local or state requirement	Y	
63.11125	What are my recordkeeping requirements?	Y	
63.11125(d)	Keep records as specified in paragraphs (d)(1) and (d)(2) of this section		
63.11125(d)(1)	Records of the occurrence and duration of each malfunction of operation or of air pollution control and monitoring equipment	Y	
63.11125(d)(2)	Records of actions taken during periods of malfunction to minimize emissions in accordance with Section 63.1115(a)	Y	
63.11126	What are my reporting requirements?	Y	
63.11126(b)	Each owner or operator of an affected source under this subpart shall report by March 15 of each year, the number, duration and a brief description o each type of malfunction which occurred during the previous calendar year and which caused any applicable emission limitation to be exceeded.	Y	
63.11130	What parts of the General Provisions apply to me?	Y	

IV. Source Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Table 3 to Subpart CCCCCC of Part 63	Applicability of General Provisions	Y	
BAAQMD Condition # 14098	**Gasoline Annual Throughput Limit (~~Toxic Risk Management Policy~~Regulation 2-5-301)**	**N**	
BAAQMD Condition # 16516	**Annual (every 12 month) static pressure testing (leak test) including BAAQMD notification, protocols, reporting requirements.**	**N**	
State of California, Air Resources Board, Executive Order G-70-148-A	**Certification of Hoover Containment Systems, Inc. "Lube Cube" Aboveground Filling/Dispensing Vapor Recovery System (05/04/~~19~~95)**	**N**	
State of California, Air Resources Board, Executive Order G-70-102-A	**Certification of a Phase I Vapor Recovery System for Aboveground Storage Tanks with Less Than 40,000 Gallons Capacity for Gasoline or Gasoline/Methanol Blended Fuel (5/25/93)**	**N**	
State of California, Air Resources Board, Executive Order G-70-52-AM	**Certification of Components for Red Jacket, Hirt, and Balance Phase II Vapor Recovery System (10/4/91)**	**N**	
~~Paragraph 9~~	~~Tank Design Configuration Limitations~~	~~N~~	
~~Paragraph 10~~	~~Emergency Vent and Manway Requirement~~	~~N~~	
~~Paragraph 11~~	~~Requirement to Use ARB Certified Phase I and Phase II Systems~~	~~N~~	
~~Paragraph 12~~	~~Requirements for Phase I Components and Piping Configurations~~	~~N~~	
~~Paragraph 13~~	~~Requirements for the Routing of the Coaxial Hose and for Liquid Traps~~	~~N~~	
~~Paragraph 14~~	~~P/V Valve Requirements~~	~~N~~	
~~Paragraph 15~~	~~Tank Insulation Requirements~~	~~N~~	
~~Paragraph 16~~	~~Tank Exterior Surface Requirements~~	~~N~~	
~~Paragraph 17~~	~~Requirement to Comply with Local Air District Rules~~	~~N~~	
~~Paragraph 20~~	~~Requirements for Deliveries from a Cargo Truck~~	~~N~~	

IV. Source Specific Applicable Requirements

Table IV – C
Source-Specific Applicable Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~Paragraph 21~~	~~Leak Checking Requirements~~	~~N~~	
~~Paragraph 22~~	~~Requirement to Comply with Local Fire Official's Requirements~~	~~N~~	
~~Paragraph 23~~	~~Requirement to Comply with Other Specified Rules and Regulations~~	~~N~~	
~~Paragraph 24~~	~~Prohibition on Alteration of Equipment, Parts, Design, or Operation~~	~~N~~	
~~Paragraph 25~~	~~This Order Supersedes EO G-70-116-E (4/1/95)~~	~~N~~	

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

IV. Source Specific Applicable Requirements

Table IV – D
Source-Specific Applicable Requirements
S-8 HORIZONTAL GRINDER/OPERATIONS
S-9 TROMMEL SCREEN/OPERATIONS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6 Rule 1	**Particulate Matter – General Requirements (12/5/07)**		
6-1-301	Ringelmann No. 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-311	Process Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	Process Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
Registration	**CARB Statewide Portable Equipment Registration Conditions**		
#149997	Parts 1-7, 19-26 and 33 for S-8	N	
#125994	Parts 1-7, 29-25, and 23-35 for S-9	N	

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 # 8178
For: S-3, COMPOSTING OPERATION; AND A-3, WATER TRUCK

1. The yard waste unloading, stockpiling, and loading of composted material that constitute S-3 shall be abated as necessary by the A-3 water spray to prevent visible dust emissions. Dry, dusty material shall be wetted down before unloading from truck beds as necessary to prevent visible emissions. (basis: Regulations 2-1-403, 6-1-301, and 6-1-305)

2. All roadways associated with this facility shall be maintained in a clean or wetted condition as necessary to prevent visible dust emissions. (basis: Regulations 2-1-403, 6-1-301, and 6-1-305)

3. Visible dust emissions from any part of the facility shall not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (basis: Regulations 1-301, 2-1-403, 6-1-301, and 6-1-305)

4. Observation for visible particulate emissions is required at all times that material is actively being handled at this source. If visible emissions are detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulations 2-1-403, 6-1-301, and 6-1-305)

5. If the plant receives 2 or more Violation Notices from the District for "Public Nuisance" in any consecutive 180-day period, the owner/operator of this facility shall submit to the District within 30 days, an application to modify the Permit to Operate to include the following control measures as applicable or any other that the District deem necessary and appropriate. (basis: Regulation 2-1-403)
   a. Complete enclosure of all operations in a warehouse-like building
   b. The use of a chemical suppressant to control dust from roadways at the facility
   c. The paving of all roadways at the facility

VI. Permit Conditions

Condition # 10423

FOR: S-2, NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2, LANDFILL GAS FLARES;
S-5, NEWBY ISLAND SANITARY LANDFILL - WASTE AND COVER MATERIAL DUMPING; AND
S-6, NEWBY ISLAND SANITARY LANDFILL - EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES

1. The Permit Holder shall comply with the following waste acceptance and disposal limits and shall obtain the appropriate New Source Review permit, if one of the following limits is exceeded:
   a. Total waste accepted and placed at the landfill shall not exceed 4,000 tons in any day. (Basis: Regulation 2-1-301)
   b. The total cumulative amount of all waste placed in the landfill is predicted to be 39.0 million tons. However, an exceedance of this amount is not a violation of the permit and does not trigger the requirement to obtain a New Source review permit, if the operator can, within 30 days of the date of discovery of the exceedance, provide documentation to the District demonstrating that the tonnage capacity should be higher. (Basis: Regulation 2-1-301)
   c. The maximum design capacity of the landfill (total volume of all wastes and cover materials placed in the landfill, excluding final cover) shall not exceed 50.8 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 recordkeeping requirements in Subpart m, below, are applicable.
      i. The Permit Holder has appropriate documentation demonstrating that either the organic content of the soil or the organic concentration above the soil is below the "contaminated" level (as defined in Regulation 8, Rule 40, Sections 205, 207, and 211). The handling of soil containing VOCs in concentrations below the "contaminated" level is subject to Part 3 below.
      ii. The Permit Holder has no documentation to prove that soil is not contaminated, but source of the soil is known and there is no reason to suspect that the soil might contain organic compounds.
   b. The Permit Holder shall provide verbal notification to the Compliance and Enforcement Division of the Permit Holder's intention to accept contaminated soil at the facility at least 24 hours in advance of receiving the contaminated soil. The Permit Holder shall provide an estimate of the amount of contaminated soil to be received, the degree of contamination (range and average VOC Content), and the type or source of

VI. Permit Conditions

contamination.

c. Any soil received at the facility that is known or suspected to contain volatile organic compounds (VOCs) shall be handled as if the soil were contaminated, unless the Permit Holder receives test results proving that the soil is not contaminated. To prove that the soil is not contaminated, the Permit Holder shall collect soil samples in accordance with Regulation 8-40-601 within 24 hours of receipt of the soil by the facility. The organic content of the collected soil samples shall be determined in accordance with Regulation 8-40-602.
   i. If these test results indicate that the soil is still contaminated or if the soil was not sampled within 24 hours of receipt by the facility, the Permit Holder must continue to handle the soil in accordance with the procedures set forth in Subparts e-l, below, until the soil has completed treatment or has been placed in a final disposal location and adequately covered. Storing soil in a temporary stockpile or pit is not considered treatment. Co-mingling, blending, or mixing of soil lots is not considered treatment.
   ii. If these test results indicate that the soil – as received at the facility – has an organic content of 50 ppmw or less, then the soil is no longer contaminated and shall be handled in accordance with the procedures in Part 3 instead of Part 2, Subparts e.-l.

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.

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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.

h. All active storage piles shall meet the requirements of Regulation 8-40-304 by using water sprays, vapor suppressants or approved coverings to minimize emissions. The exposed surface area of any active storage pile (including the active face at a landfill) shall be limited to 6000 ft^2. The types of storage piles that may become subject to these provisions include (but are not limited to) truck unloading areas, staging areas, temporary stockpiles, soil on conveyors, bulldozers or trucks, the active face of a landfill, or other permanent storage pile at the final disposal location.

i. All inactive storage piles shall meet the requirements of Regulation 8-40-305 including the requirement to cover contaminated soil during periods of inactivity longer than one hour. The types of storage piles that may become subject to these provisions include (but are not limited to) soil on trucks or other on-site equipment, staging areas, temporary stockpiles, and the permanent storage pile at the final disposal location. District approved coverings for inactive storage piles include continuous heavy-duty plastic sheeting (in good condition, joined at the seams, and securely anchored) or encapsulating vapor suppressants (with re-treatment as necessary to prevent emissions).

j. The Permit Holder must:

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

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

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

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

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

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

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

   viii. Ensure that contaminated soil spread on the active face is

VI. Permit Conditions

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

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

ii. If the soil is tested for organic content after receipt by the facility, 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)

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3. The Permit Holder shall limit the quantity of low VOC soil (soil that contains 50 ppmw or less of VOCs) disposed of per day so that no more than 15 pounds of total carbon could be emitted to the atmosphere per day. In order to demonstrate compliance with this condition, the Permit Holder shall maintain the following records in a District approved log.
   a. Record on a daily basis the amount of low VOC soil disposed of in the landfill or used as cover material in the landfill. This total amount (in units of pounds per day) is Q in the equation in Subpart c. below.
   b. Record on a daily basis the VOC content of all low VOC soils disposed of or used as cover material. This VOC Content (C in the equation below) is to be expressed as parts per million by weight as total carbon.
   c. Calculate and record on a daily basis the VOC Emission Rate (E) using the following equation:
   $E = Q * C / 10^6$
   (basis: Regulation 8-2-301)

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

5. All collected landfill gas shall be controlled by one of the following means: (1) the IC engine power generators operated by Gas Recovery Systems (Fortistar Methane Group) (Facility # B1670), (2) the IC engine power generators operated by the San Jose/Santa Clara Water Pollution Control Plant (Facility #A778), or the on-site Landfill Gas Flares (A-1 and/or A-2). Raw landfill gas shall not be vented to the atmosphere, except for unavoidable landfill gas emissions that occur during collection system installation, maintenance, or repair, which is performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118, and 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 landfill gas collection system described below shall be operated continuously as defined in Regulation 8-34-219. Wells, collectors, and adjustment valves shall not be shut off, disconnected, or removed from operation without written authorization from the District, unless the Permit Holder complies with all applicable requirements of Regulation 8, Rule 34, Sections 113, 116, 117, and 118. The Permit Holder shall apply for and receive a Change of Conditions from the District before altering the landfill gas collection system beyond the configurations described in Subpart a and Subpart b below. Increasing or

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decreasing the number of wells or collectors, or significantly changing the length of collectors or the locations of wells or collectors are alterations that are subject to this requirement. Adding or modifying risers, laterals, or header pipes are not subject to this requirement. The authorized number of landfill gas collection system components is the baseline count listed below plus any components added and minus any components decommissioned pursuant to Part 6b as evidenced by start-up/shut-down Notification letters submitted to the District. (basis: Regulations 2-1-301, 8-34-301.1, 8-34-304, 8-34-305, and 2-6-413)

a. The Permit Holder has been issued a Permit to Operate for the landfill gas collection system components listed below, which includes all start-up/shut-down notifications submitted through May 2011. Well and collector locations, depths, and lengths are as described in detail in Permit Applications 2405, 2563, 8121, 3071, 18443 and 23393.
   - 233 vertical wells
   - 11 horizontal collectors

   [Well and collector count updated 10-25-2011]

b. The Permit Holder is authorized to make the landfill gas collection system component alterations listed below, and lengths of associated piping are as described in Application 18443.

   New vertical wells 100
   New horizontal collectors 20
   Decommission vertical wells 150
   Decommission horizontal collectors 15
   Replacement of vertical wells unlimited, provided the requirements of 8-34-117 and 118 are met.

   [Authorized component alteration count updated 10-25-2011]

Wells installed or shut-down pursuant to Subpart b shall be added to or removed from Subpart a in accordance with the procedures identified in Regulation 2-6-414 or 2-6-415. The Permit Holder shall maintain records of the decommissioning date for each well that is shut-down and the initial operation date for each new well. (basis: Regulations 8-34-301.1, 8-34-303, 8-34-304, 8-34-305)

~~6. The S-2 Newby Island Sanitary Landfill shall be equipped with a landfill gas collection system which~~landfill gas collection system described in Subpart a., ~~below shall be operated continuously as defined in Regulation 8-34-219. Wells, collectors, and adjustment valves shall not be disconnected, removed, or completely closed, without prior written authorization from the District, unless the Permit Holder complies with all applicable provisions of Regulation 8, Rule 34, Sections 113, 116, 117, and 118.~~ The Permit Holder ~~shall apply for and receive a Change of Conditions from the District before altering the landfill gas collection system described in Subpart a., below. Increasing or decreasing the number of wells or collectors, or significantly changing the length of collectors or the locations of wells or collectors are~~

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alterations that are subject to this requirement. Adding or modifying risers, laterals, or header pipes are not subject to this requirement. The authorized number of landfill gas collection system components is the baseline count listed below plus any components added and minus any components decommissioned pursuant to Part 6b as evidenced by start-up/shut-down notification letters submitted to the District. (basis: Regulations 2-1-301, 8-34-301.1, 8-34-304, 8-34-305, and 2-6-413)

a. The Permit Holder has been issued a Permit to Operate for the landfill gas collection system components listed below, which includes all start-up/shut-down notifications submitted through as of December 15, 2005. Well and collector locations, depths, and lengths are as described in detail in Permit Applications #2405, #2563, and #8121, and 13071. The Permit Holder shall apply for and receive an Authority to Construct before modifying the landfill gas system described below. Increasing or decreasing the number of vertical wells or horizontal collectors are considered modifications that are subject to this Authority to Construct requirement. Adding or modifying risers, laterals, or header pipes are not subject to this Authority to Construct requirement. The authorized number of landfill gas collection system components is the baseline count listed below plus any components added and minus any components decommissioned pursuant to Part 6b as evidenced by start-up/shut-down notification letters submitted to the District.

- 179 Vertical Wells
- 8 horizontal collectors

b. The Permit Holder has been issued an Authority to Construct for the additionalis authorized to make the landfill gas collection system components listed below, as of December 15, 2005. Well and collector locations, depths, and lengths are described in Permit Application #1307118443.

- Install up to 40 vertical wells.
- Decommission up to 11 vertical wells.
- Install header valves, risers, and connections between existing horizontal collectors, as needed, to optimize gas collection and maintain compliance with Regulation 8 Rule 34.
- Modify well head monitoring locations, as needed, provided that each landfill gas collection system component identified in Part 6a and each new collection system component installed per 6b is adequately represented by a wellhead monitoring location. The Permit Holder shall maintain documentation on site that identifies all landfill gas collection system components

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~~that are represented by each wellhead monitoring location.~~

- ~~New vertical wells 70~~
- ~~New horizontal collectors 8~~
- ~~Replacement vertical wells 20~~
- ~~Decommission vertical wells 25~~
- ~~Decommission horiz collectors 8~~

~~Wells installed or shut-down pursuant to Subpart a. shall be added to or removed from Subpart a. in accordance with the procedures identified in Regulation 2-6-414 or 2-6-415. The Permit Holder shall maintain records of the decommissioning date for each well that is shut-down and the initial operation date for each new well. (basis: Regulations 8-34-301.1, 8-34-303, 8-34-304, 8-34-305)~~

c. Each landfill gas collection system component listed in part 6a and 6b shall be operated in compliance with the wellhead limits of Regulation 8-34-305, unless an alternative wellhead limit has been approved for that component, as identified in Subpart c(i), below, and the Permit Holder complies with all of the additional requirements for that component, as identified in Subparts c(ii – vii)

(i) The nitrogen and oxygen concentration limits in Regulation 8-34-305.3 and 305.4 shall not apply to the 22 landfill gas collection system wells listed below, provided that the oxygen concentration in each of the following wells does not exceed 15% by volume: EW-30R, EW-09, EW-13, 24, 54, 68, 71, 72, 101, 103, 13R, 20R, 213, 224, 235R, 237, 253, HC-201, HC-203, HC-204, HC-208, MW-12.

(ii) The Permit Holder shall demonstrate compliance with the alternative wellhead oxygen limit noted in Subpart c(i) by monitoring each wellhead for oxygen on a monthly basis, in accordance with the provisions of Regulations 8-34-505 and 604.

(iii) All test dates, wellhead oxygen concentration data, any deviations from the Subpart c(i) oxygen concentration limit, repair actions, repair dates, re-monitoring dates and results, and compliance restoration dates shall be recorded in a District-approved log and made available to District staff upon request in accordance with Regulations 8-34-501.4, 501.9, and 414.

(iv) To demonstrate that the alternative wellhead oxygen limit in Subpart c(i) will not cause landfill gas emissions at the surface, the Permit Holder shall conduct additional surface emission monitoring in the vicinity of each component listed in Subpart c(i). For each component listed in Subpart c(i), the Permit Holder shall maintain a map showing the location of the buried

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collection system component and identifying the respective radius of influence. For each component in Subpart c(i), the Permit Holder shall monitor for landfill surface emissions in accordance with Regulations 8-34-506 and 607 at three representative points on the landfill surface that are within the radius of influences of the component and that are not more than 15 meters from the surface location of the component. This additional surface emission monitoring shall be conducted on a monthly basis for a period of at least six consecutive months.

(v) If no excesses of the Regulation 8-34-303 surface emission limit are detected in the vicinity of a component during a six consecutive month period, the Permit Holder may discontinue the additional monthly surface emission monitoring requirements in the vicinity of that component.

(vi) If one or more of the Regulation 8-34-303 surface emission limit are detected in the vicinity of a component during a six consecutive month period, the Permit Holder shall follow all applicable requirements for recording and reporting the excess and shall follow the Regulation 8-34-415 repair schedule for landfill surface leak excesses. The additional monthly surface emission monitoring in the vicinity of the respective component shall continue until either the requirements of Subpart c(v), above, have been achieved or the repair and compliance restoration requirements of Subpart c(vii) have been satisfied.

(vii) If excesses of the Regulation 8-34-303 surface emission limit are detected in the vicinity of a component for three or more monitoring events during a six consecutive month period, the Subpart c(i) alternative wellhead oxygen limit shall be revoked for the respective component. The Permit Holder shall conduct all necessary repairs to the landfill gas collection wells, to any piping associated with the well or remote wellhead monitoring systems, to valves, flanges, or other connections, and to any test ports or other openings that are necessary to eliminate air intrusion into the well or the monitoring point to prevent impairment of vacuum application or vacuum adjustment at the collection well, and to restore the collection well and associated monitoring point to proper function. The Permit Holder shall complete all of the above repairs as necessary to restore compliance with Regulation 8-34-303 surface emission limit (in the vicinity of the respective component) and the Regulation 8-34-305.4 wellhead oxygen concentration limit by the earlier of the following dates: (a) within 120 days of the

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date that the first excess was discovered in the three excess events within a single quarterly period pursuant to the re-monitoring requirements of 8-34-415 or (b) within 60 days of detection of the third excess.

d. Each landfill gas collection system component listed in Part 6a and 6b shall be operated in compliance with the wellhead limits of Regulation 8-34-305, unless an alternative wellhead limit has been approved for that component, as identified in subpart d(i), below, and the Permit Holder complies with all of the additional requirements for that component as identifies in subparts d(ii –v).

(i) The landfill gas temperature limits in Regulation 8-34-305.2 shall not apply to the 24 landfill gas collection system wells listed below, provided that the landfill gas temperature in each of the following wells does not exceed 145 degrees F (63 C): EW-10R, EW-11R, EW-39R, EW-40R, EW-14, EW-15, EW-24, EW-31R, EW-33,EW-35, EW-37, 4, 5, A, B, D, E, 11, 14, 16, 19, 22, 25, 30, 3R, 9R, 106, 218, 224R,241, 243, 31R, 51R, 54R.

(ii) The landfill gas temperature limits in Regulation 8-34-305.2 shall not apply to the one landfill gas collection system wells listed below, provided that the landfill gas temperature in each of the following wells does not exceed 150 degrees F (68 C): EW-7R.

(iii) The Permit Holder shall demonstrate compliance with the alternative wellhead landfill gas temperature standard in subpart d(i) by monitoring the temperature of each wellhead on a monthly basis, in accordance with Regulation 8-34-505.

(iv) All test dates, wellhead landfill gas temperatures, any deviation with the subpart d(1) limit, repair actions, repair dates, re-monitoring dates and results, and compliance restoration dates shall be recorded in a District approved log and made available to District staff upon request in accordance with Regulation 8-34-501.4, 501.9, and 414.

(v) The operator shall demonstrate compliance with the alternative wellhead temperature limit in Part d(i) by monitoring and recording the temperature of the landfill gas in each wellhead on a monthly basis, in accordance with Regulations 8-34-501.4, 8-34-501.9 and 505.

(vi) If the temperature of the landfill gas in a wellhead exceeds 145 degrees F, the operator shall investigate the possibility of a subsurface fire at the wellhead by monitoring for CO concentration in the wellhead gases and by searching for smoke, smoldering odors, combustion residues, and other fire indicators in the wellhead and in the landfill area near this wellhead. Within 5 days of triggering a fire investigation, the operator shall measure the CO

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concentration in the landfill gas at the wellhead using a portable CO monitor or an EPA approved test method. CO monitoring shall continue according to the frequency specified in subparts d(vii-ix).

(vii) If the CO concentration is greater than 500 ppmv, the operator shall immediately take all steps necessary to prevent or extinguish the subsurface fire, including disconnecting the well from the vacuum system if necessary. If the well is not disconnected from the vacuum system or upon reconnecting a well to the vacuum system, the operator shall monitor the well for CO concentration, wellhead temperature, and other fire indicators on at least a weekly basis until the CO concentration drops to 500 ppmv or less.

(viii) If the CO concentration is less than or equal to 500 ppmv but greater than 100 ppmv, the operator shall monitor for CO concentration at least twice per month (not less than once every 15 days) until the CO concentration drops to 100 ppmv or less. Wellhead temperature and other fire indicators shall be evaluated at each of these semimonthly-monitoring events.

(ix) If the CO concentration is less than or equal to 100 ppmv, the operator shall monitor for CO concentration on a monthly basis. CO monitoring may be discontinued if three consecutive CO measurements are 100 ppmv or less and the wellhead temperature during each of these three monitoring events is 140 degrees F or less. If a component has three or more CO measurements of 100 ppmv or less but the wellhead temperature was greater than 140 degrees F, the operator must receive written approval from the District before discontinuing the monthly CO monitoring at that component.

(x) The permit holder shall record the dates and results of all monitoring events required by this subpart in a District approved log. If Part d(vii) applies, the operator shall also describe all actions taken to prevent or extinguish the fire.

(xi) If any other well has a temperature of 131 degrees F or higher, the owner/operator may elect to add this component to the list of alternative temperature limit wells in subpart d(i) if all of the following requirements are met:

a. The wellhead temperature does not exceed 145 degrees F.

b. The carbon monoxide (CO) concentration in the wellhead gases does not exceed 500 ppmv

c. The component does not exceed any wellhead limit other than temperature and had no excesses of wellhead limits (other than temperature) during the past 120 days prior to adding this component to the list in this subpart, unless the excess is positive pressure at the well from the well vacuum

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being reduced to eliminate any potential over pull that could contribute to a landfill fire.

d. Prior to adding a component to the list in subpart d(i), the owner/operator shall monitor the gas in the wellhead for CO concentration at least two times, with no more than 15 days between tests. CO monitoring shall continue on a monthly basis, or more frequently if required, until the owner/operator is allowed to discontinue CO monitoring per subpart d(iv).

e. The owner/operator shall comply with all applicable monitoring and recordkeeping requirements below:

i. The owner/operator shall demonstrate compliance with the alternative wellhead temperature limit by monitoring and recording the temperature of the landfill gas in the wellhead on a monthly basis, in accordance with Regulations 8-34 501.4, 8-34-501.9, and 8-34-505.

ii. If the temperature of the landfill gas in the wellhead exceeds 145 degrees F, the owner/operator shall investigate the possibility of a subsurface fire at the wellhead by monitoring CO concentration in the wellhead gases and by searching for smoke, smoldering odors, combustion residues, and other fire indicators in the wellhead and in the landfill area near the wellhead. Within 5 days of triggering a fire investigation, the owner/operator shall measure the CO concentration in the landfill gas at the wellhead using a portable CO monitor, CO Draeger tube, or an EPA approved test method. CO monitoring shall continue according to the frequency specified below:

1. If the CO concentration is greater than 500 ppmv, the owner/operator shall immediately take all steps necessary to prevent or extinguish the subsurface fire, including disconnecting the well from the vacuum system if necessary. If the well is not disconnected from the vacuum system or upon reconnecting the well to the vacuum system, the owner/ operator shall monitor the well for CO concentration, wellhead temperature, and 11 other fire indicators on at least a weekly basis until CO concentration drops to 500 ppmv or less.

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2. If the CO concentration is less than or equal to 500 ppmv but great than 100 ppmv, the owner/operator shall monitor for CO concentration at least twice per month (not less than once every 15 days) until the CO concentration drops to 100 ppmv or less. Wellhead temperature and other fire indicators shall be evaluated at each of these semi-monthly monitoring events.

3. If the CO concentration is less than or equal to 100 ppmv, the owner/operator shall monitor for CO concentration on a monthly basis. CO monitoring may be discontinued if three consecutive CO measurements are 100 ppmv or less and the wellhead temperature during each of these three monitoring events is 140 degrees F or less. If the component has three or more CO measurements of 100 ppmv or less, but the wellhead temperature was greater than 145 degrees F, the owner/ operator must receive written approval from the District before discontinuing the monthly CO monitoring at that component.

iii. The owner/operator shall record the dates and results of all monitoring events required by this subpart in a District approved log. If subpart 6d(vii) or 6d(xi)(e)(1) applies, the owner/operator shall also record all actions taken to prevent or extinguish the fire.

f. Within 30 days of adding a component to the list in this subpart, the owner/operator shall notify the District in writing that the operator is requesting to add the component to the list of alternative temperature limit wells. This notification shall include the well ID number, a map of the collection system to identify the location of the well, and the dates and results of all monitoring conducted on the well to verify that the above requirements have been satisfied.

g. If the Regulation 8-34-414 repair schedule has been invoked for the wellhead temperature excess and the owner/operator has met the requirement in Sections 414.1 and 414.2, then compliance with the requirements of the subpart shall be deemed an acceptable resolution of the

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wellhead temperature excess in lieu of the collection system expansion specified in Section 414.3 and 414.4.
(basis: Regulation 8-34-305)

~~d. Each landfill gas collection system component listed in part 6a and 6b shall be operated in compliance with the wellhead limits of Regulation 8-34-305, unless an alternative wellhead limit has been approved for that component, as identified in Subpart d(i), below, and the Permit Holder complies with all of the additional requirements for that component, as identified in Subparts d(ii – vii)~~

~~(i) The landfill gas temperature limits in Regulation 8-34-305.2 shall not apply to the 22 landfill gas collection system wells listed below, provided that the landfill gas temperature in each of the following wells does not exceed 145 degrees F (63 C): EW-10R, EW-11R, EW-39R, EW-40R, EW-14, EW-15, EW-24, EW-31R, EW-33, EW-35, 4, 5, A, B, D, E, 11, 14, 16, 19, 22, 25, 30, 3R, 9R, 106, 218, 241, 243, 31R, 51R.~~

~~(ii) The Permit Holder shall demonstrate compliance with the alternative wellhead landfill gas temperature standard in Subpart d(i) by monitoring the temperature of each wellhead on a monthly basis, in accordance with Regulation 8-34-505.~~

~~(iii) All test dates, wellhead landfill gas temperatures, any deviation with the Subpart d(i) limit, repair actions, repair dates, re-monitoring dates and results, and compliance restoration dates shall be recorded in a District approved log and made available to District staff upon request in accordance with Regulation 8-34-501.4, 501.9, and 414.~~

~~(iv) To demonstrate that the alternative temperature standard in Subpart d(i) does not cause subsurface fires, the Permit Holder shall conduct landfill gas testing for CO on a monthly basis, on at least three (randomly selected) landfill gas collection wells listed in d(i) above. Monthly CO testing of the wells listed in Subpart d(i) shall continue to be random, except that wells previously tested, which show no visible signs of subsurface fires (soil surface cracking, sudden unexplained soil subsidence, etc), shall not be retested until all of the wells in Subpart d(i) shall been tested. To develop a comparative database of normal landfill gas CO levels, the Permit Holder shall randomly select at least three landfill gas extraction wells (other than the wells listed in Subpart d(i) to be sampled concurrently with the wells selected from the list in d(i). Sampling of the non d(i) list wells may be discontinued when 12 months of data has been gathered.~~

~~(v) If CO levels at any of the tested components (listed in Subpart~~

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~~d(i)) are found to exceed 20% of the averaged "normal" CO level, the Permit Holder shall take all investigation measures necessary to determine the presence/non-presence of subsurface fires. If a tire is suspected the Permit Holder shall employ all means as appropriate to extinguish the fire, repair the well and bring the well back into service according to the protocol listed in Regulation 8-34-414.~~

~~(basis: Regulations 2-1-3031, 8-34-301.14, 8-34-303, 85, 34-304, 8-34-305 40 CFR 60.755(a) and 60.759))~~

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

8. The heat input to the Landfill Gas Flares shall not exceed the following limits:
   a. A-1 Landfill Gas Flare #1: 2,006 million BTU per day nor 732,095 million BTU per year.
   b. A-2 Landfill Gas Flare #2: 1,800 million BTU per day not 657,000 million BTU per year.

   In order to demonstrate compliance with this part, the Permit Holder shall calculate and record on a monthly basis the maximum daily and total monthly heat input to the flare based on: (a) the landfill gas flow rate recorded pursuant to part 13h, (b) the average methane concentration in the landfill gas that was determined during the most recent source test, (c) and a high heating value for methane of 1013 BTU/ft^3 at 60 degrees F. (basis: Regulation 2-1-301)

9. Combustion Zone Minimum Temperature Limitations:
   a. A-1 Landfill Gas Flare #1: The minimum combustion zone temperature for the A-1 Landfill Gas Flare #1 shall be maintained at a minimum of 1525 degrees F, averaged over any 3-hour period.
   b. A-2 Landfill Gas Flare #2: The minimum combustion zone temperature for the A-2 Landfill Gas Flare #1 shall be maintained at a minimum of 1400 degrees F, averaged over any 3-hour period.

   If a source test demonstrates compliance with all applicable requirements at a different temperature, the APCO may revise this minimum temperature limit in accordance with the procedures identified in Regulation 2-6-413 or 2-6-415 based on the following procedures. The minimum combustion zone temperature measured during the most recent complying source test minus 50 degrees F, provided that the minimum combustion zone temperature is not less than 1400 degrees F. (basis: ~~Toxic Risk Management Policy~~ Regulation 2-5-301 and Regulation 8-34-301.3)

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10. Emission Limits
    a. Total reduced sulfur compounds: The total reduced sulfur compounds in the collected landfill gas shall be monitored as a surrogate for monitoring sulfur dioxide in the control system's exhaust. The concentration of total reduced sulfur compounds (measured as hydrogen sulfide) in the collected landfill gas shall not exceed the following limits (dry, calculated as H_2S):
        1) 1300 ppmv for any single test (basis: Regulation 9-1-302)
        2) 300 ppmv, four quarter (annual) integrated average. Basis: Cumulative Increase, Regulation 2-1-204, 20-20-303)

        In order to demonstrate compliance with this part, the Permit Holder shall measure the total sulfur content -in the collected landfill gas at a frequency of at least once every calendar quarter using a draeger tube or by chromatography (BAAQMD Lab Method 44A) or by any other equivalent method as approved by the APCO. The landfill gas sample shall be taken from the main landfill gas header. The Permit Holder shall follow the manufacturer or BAAQMD recommended procedures for sampling, analysis and interpretation of the results.
    b. Nitrogen Oxides: The concentration of nitrogen oxides (NOx) in the flue gas from the landfill gas flares A-1 and A-2 shall not exceed 60 ppmv corrected to 15% oxygen, dry basis. This is equivalent to 0.05 pounds of NOx (calculated as NO2) per million BTU, based on landfill gas methane content of 50%. (basis: RACT, Cumulative Increase)

11. In order, to demonstrate compliance with Regulation 8, Rule 34, Sections 301.3 and 412, the Permit Holder shall ensure that a District approved source test is conducted annually on the Landfill Gas Flares A-1 and A-2. As a minimum, the annual source test shall determine the following:
    a. Landfill gas flow rate to the flare (dry basis);
    b. Landfill gas 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);
    c. Stack gas flow rate from the flare (dry basis);
    d. Flare stack gas concentrations (dry basis): NOx (as NO2), CO, THC, CH_4, NMOC, Benzene, Formaldehyde, Vinyl Chloride, and O_2 ;
    e. THC, CH4, NMOC destruction efficiencies achieved by the flare; and
    f. Average combustion temperature in the flare during the test period.

    The first source test shall be conducted no later than October 1, 2002. Subsequent source tests shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test.

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The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and to the Source Test Section within 45 days of the test date. (basis: Regulations 8-34-301.3 and 8-34-412)

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

Acrylonitrile	Ethylene dibromide
Benzene	Fluorotrichloromethane
Carbon disulfide	Hexane
Carbon tetrachloride	Hydrogen sulfide
Chlorobenzene	Isopropyl alcohol
Chlorodifluoromethane	Methylethylketone
Chloroethane	Methylene chloride
Chloroform	Perchloroethylene
1,1 Dichloroethane	Toluene
1,1 Dichloroethene	1,1,1 Trichloroethane
1,2 Dichloroethane	1,1,2,2 Tetrachloroethane
1,4 Dichlorobenzene	Trichloroethylene
Dichlorodifluoromethane	Vinyl chloride
Dichlorofluoromethane	Xylenes
Ethylbenzene	

All concentrations shall be reported on a dry basis. The test report shall be submitted to the Compliance and Enforcement Division within 45 days of the test date. (basis: ~~Toxic Risk Management Policy~~ Regulation 2-5-301 and Regulation 8-34-412)

13. In order to demonstrate compliance with the above conditions, the Permit Holder shall maintain the following records in an APCO approved logbook.
    a. The total amount of municipal solid waste received at S-2 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.
    c. If the Permit Holder plans to exclude an uncontrolled area or cell from the collection system requirement, the Permit Holder shall also record the types and amounts of all non-decomposable waste placed in the

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area and the percentage (if any) of decomposable waste placed in the area.

d. Maintain daily records of low VOC soil acceptance rate and emissions, pursuant to part 3.

e. Record of the dates, locations, and frequency per day of all watering activities on unpaved roads or active soil or fill areas. Record the dates, locations, and type of any dust suppressant applications. Record the dates and description of all paved roadway cleaning activities. All records shall be summarized on a monthly basis.

f. Record the initial operation date for each new landfill gas well and collector.

g. Maintain an accurate map of the landfill that indicates the locations of all refuse boundaries and the locations of all wells and collectors (using unique identifiers) that are required to be operating continuously pursuant to part 6. Any areas containing only non-decomposable waste shall be clearly identified. This map shall be updated at least once a year to indicate changes in refuse boundaries and to include any newly installed wells and collectors.

h. Record the operating times and the landfill gas flow rate to the A-1 and A-2 Landfill Gas Flares on a daily basis. Summarize these records on a monthly basis. Calculate and record the heat input to A-1 and A-2, pursuant to part 8.

i. Maintain continuous records of the combustion zone temperature for the A-1 and A-2 Landfill Gas Flares during all hours of operation.

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

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

14. The annual report required by BAAQMD Regulation 8-34-411 shall be submitted in two semi-annual increments~~, except that the reporting period for the first increment of the Regulation 8-34-411 report that is submitted subsequent to the issuance of the MFR Permit for this site shall be from December 1, 2003, through July June 310, 2004. This first increment report shall be submitted by AugustJuly 31, 2004~~. The reporting periods and report submittal due dates for all ~~subsequent~~ increments of the Regulation 8-34-411 report shall be synchronized with the reporting periods and report submittal due dates for the semi-annual MFR Permit

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monitoring reports that are required by Section I.F. of the MFR Permit for this site. At the discretion of the facility, the Regulation 8-34-411 report may be combined with the semi-annual MFR monitoring report as a single report as long as it is clearly labeled as such and it contains all the required elements of both reports. (basis: Regulation 8-34-411 and 40 CFR Part 63.1980(a))

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Condition # 14098
For: S-4, NON-RETAIL GASOLINE DISPENSING FACILITY G# 9641

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

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Condition # 15050
For: S-5, TUB GRINDER; S-7, TROMMEL SCREEN; AND A-7, WATER SPRAYS

1. The S-5 Tub Grinder and S-7 Trommel Screen shall not operate for more than 16 hours (each) during any calendar day nor more than 3466 hours during any consecutive 12 month period. (basis: Cumulative Increase)

2. In order to demonstrate compliance with part #1, the owner/operator of S-5 and S-7 shall keep a dated record of the hours of operation for each source in a District approved log. Hours of operation shall be totaled on a monthly basis and shall be available for inspection by District personnel for a period of 5 years from the date on which a record is made. (basis: Cumulative Increase)

3. The S-5 Tub Grinder and S-7 Trommel Screen shall be abated by the A-7 Water Spray Systems at all times during operation. (basis: Regulations 2-1-403, 6-301, and 6-305)

4. Visible dust emissions from S-5 or S-7 shall not exceed Ringelmann 1.0 or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. (basis: Regulations 1-301, 2-1-403, 6-301, and 6-305)

5. Observation for visible particulate emissions is required at all times that S-5 and S-7 are operating. If visible emissions are detected at either source, the operator of that source shall take the necessary corrective action to stop the emissions. (basis: Regulations 2-1-403, 6-301, and 6-305)

6. If the plant receives 2 or more Violation Notices from the District for "Public Nuisance" per Regulation 1-301 in any consecutive 180-day period, the owner/operator of this facility shall submit to the District within 30 days, an application to modify the Permit to Operate to include the following control measures as applicable or any other that the District deems necessary and appropriate. (basis: Regulation 2-1-403)
   a. Enclosure of the S-5 Tub Grinder and/or the S-7 Trommel Screen
   b. Complete enclosure of all operations in a warehouse like building
   c. The use of a chemical suppressant to control dust from roadways at the facility
   d. The paving of all roadways at the facility

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~~Condition # 19498~~
~~For: S-6, TUB GRINDER ENGINE~~

~~1. The S-6 Tub Grinder Engine shall not operate for more than 16 hours during any calendar day nor more than 3466 hours during any consecutive 12 month period. (basis: Cumulative Increase)~~

~~2. Precursor Organic Compounds (POC) emissions from S-6 shall not exceed 1.1 grams/brake horsepower-hour of operation (g/bhp-hr). (basis: BACT)~~

~~3. Nitrogen Oxides (NO_x) emissions from S-6 shall not exceed 5.3 g/bhp-hr, calculated as NO_2. (basis: BACT)~~

~~4. Carbon Monoxide (CO) emissions from S-6 shall not exceed 3.0 g/bhp-hr. (basis: BACT)~~

~~5. Only low sulfur fuel (<0.05% sulfur by weight) shall be combusted at S-6. The maximum sulfur content of the fuel shall be demonstrated by vendor certification. (basis: BACT for PM_{10}, Cumulative Increase and Regulation 9-1-304 for SO_2)~~

~~6. In order to demonstrate compliance with parts 2 through 4, the Permit Holder shall conduct annual source tests to determine the emission factors for POC, NO_x, and CO (in g/bhp-hr) at the exhaust of the engine. Annual source tests shall be conducted no sooner than 9 months and no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division within 45 days of the test date. (basis: BACT and Regulation 2-1-403)~~

~~7. The exhaust of the Tub Grinder Engine S-6 shall be observed for visible smoke during all periods of operation. If persistent smoke is detected, the operator of the source shall take the necessary corrective action to stop the emissions. (basis: Regulations 2-1-403 and 6-301)~~

~~8. The Permit Holder shall maintain daily records in an APCO approved log book indicating the hours of operation of the engine and the amount of fuel consumed by the engine. These records shall be kept on site and made available for inspection by District personnel for a period of at least 5 years from the date on which a record is made. (basis: Cumulative Increase)~~

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Condition # 16516

For: ABOVEGROUND GASOLINE STORAGE TANK ASSOCIATED WITH S-4 NON-RETAIL GASOLINE DISPENSING FACILITY

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

The applicant shall notify Source Test by email at gdfnotice@baaqmd.gov or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within thirty (30) days of testing. Start-up test results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email (gdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco, CA 94109). (Basis: Regulation 8-7-407)

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-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM;
ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND
S-5 NEWBY ISLAND SANITARY LANDFILL –
WASTE AND COVER MATERIAL DUMPING; AND
S-6 NEWBY ISLAND SANITARY LANDFILL –
EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~**A-1 LANDFILL GAS FLARE #1**~~
~~**A-2 LANDFILL GAS FLARE #2**~~

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 # 10423, Part 13b, 13c, 13f, 13g	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~
~~A-2 LANDFILL GAS FLARE #2~~

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 8-34-304.2	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 # 10423, Part 13b, 13c, 13f, 13g	P/E	Records
Collection System Installation 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 # 10423, Part 13b, 13c, 13f, 13g	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)

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~ ~~A-2 LANDFILL GAS FLARE #2~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Flow	BAAQMD Condition # 10423, Parts 5~~,~~ and 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 # 10423, Parts 13f-h	P/D	Records of Landfill Gas Flow Rates, Collection and Control Systems Downtime, and Collection System Components
Collection and Control Systems Shutdown Time	BAAQMD 8-34-113.2	Y		240 hours/year and 5 consecutive days	BAAQMD 8-34-501.1	P/D	Operating Records
Periods of Inoperation for Para-metric Monitors	BAAQMD 1-523.2	Y		≤15 consecutive days per ~~/~~incident and ≤30 calendar days per ~~/~~12 month period	BAAQMD 1-523.4	P/D	Operating Records for All Parametric Monitors
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 (applies to all wells or collectors that are connected to the vacuum system)	BAAQMD 8-34-414, 501.9 and 505.1	P/M	Monthly Inspection and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~ ~~A-2 LANDFILL GAS FLARE #2~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Temper-ature of Gas at Wellheads	BAAQMD 8-34-305.2	Y		< 55 °C (Applies to all wells or collectors that are connected to the vacuum system, except wells specified in BAAQMD Condition # 10423, Part 6d(i))	BAAQMD 8-34-414, 501.9 and 505.2	P/M	Monthly Inspection and Records
Temper-ature of Gas at Wellheads	BAAQMD 8-34-305 and -BAAQMD Condition 10423, part 6d(i)	Y		<63 C (<145 F) (Alternative wellhead temperature limit that applies only to wells specified in BAAQMD Condition # 10423, Part 6d(i))	BAAQMD 8-34-414, 501.9, 505.2, and BAAQMD Condition 10423, part 6d(ii)	P/M	Monthly Inspection and Records
Gas Concen-trations at Wellheads	BAAQMD 8-34-305.3 or 305.4	Y		N_2 < 20% OR O_2 < 5% (Applies to all wells or collectors that are connected to the vacuum system, except wells specified in BAAQMD Condition # 10423, Part 6c(i))	BAAQMD 8-34-414, 501.9, and 5035.3 or 505.4	P/M	Monthly Inspection and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL – WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES ~~A-1 LANDFILL GAS FLARE #1~~ ~~A-2 LANDFILL GAS FLARE #2~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gas Concentrations at Wellheads	BAAQMD 8-34-305 and BAAQMD Condition # 10423, Part 6c(i)	F		O_2 < 15% (Alternative wellhead oxygen concentration limit that applies only to wells specified in BAAQMD Condition # 10423, Part 6c(i))	BAAQMD 8-34-414, 501.9, and 505.3 or 505.4, and BAAQMD Condition 10423 part 6c(ii)	P/M	Monthly Inspection and Records
Well Shutdown Limits	BAAQMD 8-34-116.2	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-116.3	Y		≤24 hours per well	BAAQMD 8-34-116.5 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.4	Y		No more than 5 wells at a time or 10% of total collection system, whichever is less	BAAQMD 8-34-117.6 and 501.1	P/D	Records
Well Shutdown Limits	BAAQMD 8-34-117.5	Y		≤24 hours per well or <5 days per well for component replacement	BAAQMD 8-34-117.6 and 501.1	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~
~~A-2 LANDFILL GAS FLARE #2~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC (Total Organic Com-pounds Plus Methane)	BAAQMD 8-34-301.2	Y		Component Leak Limit: ≤ 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 portable analyzer and Records
TOC	BAAQMD 8-34-303	Y		Surface Leak Limit: ≤ 500 ppmv as methane at 2 inches above surface	BAAQMD 8-34-415, 416, 501.6, 506 and 510	P/M, Q, and E	Monthly Visual Inspection of Cover, Quarterly Inspection of Surface with portable analyzer, 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-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~
~~A-2 LANDFILL GAS FLARE #2~~

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 Com-pounds (NMOC)	BAAQMD 8-34-301.3	Y		≥ 98% removal by weight OR < 30 ppmv, dry basis @ 3% O_2, expressed as methane (applies to ~~A-1~~ flares only)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 10423, Part 11b	P/A	Annual Source Tests and Records
Temper-ature of Combus-tion Zone (CT)	BAAQMD Condition # 10423, Part 9	Y	~~5/1/03~~	CT ≥ 1525 °F, averaged over any 3-hour period (applies to A-1 only) CT ≥ 1400 °F, averaged over any 3-hour period (applies to A-2 only)	BAAQMD 8-34-501.3 and 507, SIP 8-34-501.3 and BAAQMD Condition # 10423, Parts 11 and 13i	C	Temperature Sensor and Recorder (continuous)
Total Carbon	BAAQMD 8-2-301	Y		≤ 15 pounds/day or ≤ 300 ppm, dry basis (applies only to aeration of or use as cover soil of soil containing ≤ 50 ppmw of volatile organic compounds)	BAAQMD Condition # 10423, Part 3	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~
~~A-2 LANDFILL GAS FLARE #2~~

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 8-40-116.1 and BAAQMD Condition # 10423, Parts 2 and 3	Y		≤ 1 cubic yard per project	BAAQMD Condition # 10423, Part 2m	P/E	Records
Amount of Contami-nated Soil Aerated or Used as Cover	BAAQMD 8-40-116.2 and BAAQMD Condition #10423, Parts 2 and 3	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 # 10423, Part 2m	P/E	Records
Amount of Contami-nated Soil Aerated or Used as Cover	BAAQMD 8-40-301 and BAAQMD Condition #10423, Parts 2 and 3	Y		Prohibited for Soil with Organic Content >50 ppmw unless exempt per BAAQMD 8-40-116, 117, or 118	BAAQMD Condition # 10423, Part 2m	P/E	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~
~~A-2 LANDFILL GAS FLARE #2~~

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 Accidental Spillage	BAAQMD 8-40-117 and BAAQMD Condition # 10423, Parts 2 and 3	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 # 10423, Parts 2 and 3	Y		≤ 150 pounds VOC per project and toxic air contaminant emissions per year < BAAQMD Table 2-1-316 limits	BAAQMD Condition #10423, Part 2m	P/E	Records
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		≤ Ringelmann No. 1 for < 3 minutes/hr (applies to S-1)	BAAQMD Condition # 10423, Part 13e	P/E, M	Records of all site watering and road cleaning events
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		≤ Ringelmann No. 1 for < 3 minutes/hr (applies to ~~A-1~~ flares)	None	N	N/A
FP	BAAQMD 6-1-310 and SIP 6-310	Y		≤ 0.15 grains/dscf (applies to ~~A-1~~ flares only)	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~ ~~A-2 LANDFILL GAS FLARE #2~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO_2	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours (applies to ~~A-1 only~~ flares only)	None	N	N/A
SO_2	BAAQMD ~~Regulation~~ 9-1-302	Y		Exhaust Gas From Flare: ≤ 300 ppm (dry basis) (applies to ~~A-1 & A-2~~ flares only)	BAAQMD Condition # 10423, Parts 10 and 13j	P/Q	Sulfur analysis of landfill gas and Records
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 10423, Part 10a	Y		≤ 1300 ppmv instantaneous concentration (expressed as H_2S)	BAAQMD Condition # 10423, Parts 10a and 13j	P/Q	Sulfur analysis of landfill gas
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 10423, Part 10a	Y		≤ 300 ppmv annual average (expressed as H_2S)	BAAQMD Condition # 10423, Parts 10a and 13j	P/Q	Sulfur analysis of landfill gas and Records
NOx	BAAQMD Condition # 10423, Part 10b	N		Applies to Exhaust Gas From Flares: ≤ 60 ppm corrected to 15% oxygen, dry basis (=≤ 0.05 pounds NOx per million BTU LFG)	BAAQMD Condition 10423, Part 11d.	P/A	Annual Source Test & Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM; ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND S-5 NEWBY ISLAND SANITARY LANDFILL – WASTE AND COVER MATERIAL DUMPING; AND S-6 NEWBY ISLAND SANITARY LANDFILL – EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~
~~A-2 LANDFILL GAS FLARE #2~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
Amount of Waste Accepted	BAAQMD Condition # 10423, Part 1	Y		≤ 4,000 tons/day and ≤ 39,000,000 tons (predicted cumulative amount of all wastes) and ≤ 50,800,000 yd^3 (cumulative amount of all wastes and cover materials)	BAAQMD Condition # 10423, Part 13a	P/D	Records
Heat Input, A-1	BAAQMD Condition # 10423, Part 8	Y		≤ 2,006 MM BTU per day and ≤ 732,095 MM BTU per year	BAAQMD Condition # 10423, Parts 8 and 13h	P/D	Records
Heat Input, A-2	BAAQMD Condition # 10423, Part 8	Y		≤ 1,800 MM BTU per day and ≤ 657,000 MM BTU per year	BAAQMD Condition # 10423, Parts 8 and 13h	P/D	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-2 NEWBY ISLAND SANITARY LANDFILL
– WASTE DECOMPOSITION PROCESS WITH GAS COLLECTION SYSTEM;
ABATED BY A-1 & A-2 LANDFILL GAS FLARES #1 AND #2 ; AND
S-5 NEWBY ISLAND SANITARY LANDFILL –
WASTE AND COVER MATERIAL DUMPING; AND
S-6 NEWBY ISLAND SANITARY LANDFILL –
EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES
~~A-1 LANDFILL GAS FLARE #1~~
~~A-2 LANDFILL GAS FLARE #2~~

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
~~Startup Shutdown or Mal-function 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 COMPOSTING OPERATION
A-3 WATER TRUCK

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 6-1-301 and SIP 6-301	Y		< Ringelmann 1.0 for 3 minutes in any hour	BAAQMD Condition # 8178, Parts 4 and 7b	P/E	Observation of Operations and Records
Opacity	BAAQMD Condition # 8178, Part 3	Y		< Ringelmann 1.0	BAAQMD Condition # 8178, Parts 4 and 7b	P/E	Observation of Operations and Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Through-put	BAAQMD Condition # 14098	N		940,000 gallons per 12-month period	BAAQMD 8-7-503.1	P/A	Records
Through-put (exempt from Phase I)	BAAQMD 8-7-114	Y		1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501 and 8-7-503.2	P/E	Records
Organic Com-pounds	SIP 8-5-303.2	Y		Tank Pressure Vacuum Valve Shall Be: Gas Tight or < 500 ppmv (expressed as methane) above background for PRVs (as defined in SIP 8-5-206)	~~SIP 8-5-403 and 8-5-503~~ None	~~P/E~~ N	~~Semi-Annual Inspection with Portable Hydro-carbon Detector~~ NA
Organic Com-pounds	BAAQMD 8-7-301.2	Y		All Phase I Systems Shall Meet the Emission Limitations of the Applicable CARB Certification	~~CARB EO G-70-148-A~~ None	~~P/E~~ N	~~CARB Certification Procedures~~ Equipment must be precertified by CARB
Organic Com-pounds	BAAQMD 8-7-301.6	Y		All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤3 drops/minute) and vapor tight	CARB EO G-70-148-A paragraph 21	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Organic Com-pounds	BAAQMD 8-7-302.5	Y		All Phase II Equipment (except components with allowable leak rates or at the nozzle/fill-pipe interface) Shall Be: leak free (≤3 drops/minute) and vapor tight	CARB EO G-70-148-A paragraph 21	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Com-pounds	CARB EO G-70-148-A paragraph 10	Y		Any Emergency Vent or Manway Shall Be: leak free	CARB EO G-70-148-A paragraph 21	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Defective Com-ponent Repair/ Replace-ment Time Limit	BAAQMD 8-7-302.4	Y		< 7 days	BAAQMD 8-7-503.2	P/E	Records
Liquid Removal Rate	BAAQMD 8-7-302.8	Y		> 5 ml per gallon dispensed, when dispensing rate > 5 gallons/minute	CARB EO G-70-52-AM	P/E	CARB Certification Procedures
Liquid Retain from Nozzles	BAAQMD 8-7-302.12	Y		< 100 ml per 1000 gallons dispensed	CARB EO G-70-52-AM	P/E	CARB Certification Procedures
Nozzle Spitting	BAAQMD 8-7-302.13	Y		< 1.0 ml per nozzle per test	CARB EO G-70-52-AM	P/E	CARB Certification Procedures

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – C
Applicable Limits and Compliance Monitoring Requirements
S-4 NON-RETAIL GASOLINE DISPENSING FACILITY, G# 9641

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Pressure-Vacuum Valve Settings	BAAQMD 8-7-316 and CARB EO G-70-148-A, paragraph 14	Y		Pressure Setting: > 2.5 inches of water, gauge	CARB EO G-70-148-A	P/E	CARB Certification Procedures
Pressure-Vacuum Valve Settings	SIP 8-5-303.1	Y		Pressure Setting: > 10% of maximum working pressure or > 0.5 psig	~~SIP 8-5-403 and CARB EO G-70-148-A~~ None	~~P/E~~ N	~~Semi-Annual Inspection and CARB Certification Procedures~~ NA
Discon-nection Liquid Leaks	CARB EO G-70-148-A paragraph 12	N		10 ml per disconnect, averaged over 3 disconnect operations	CARB EO G-70-148-A paragraph 21	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S-8 HORIZONTAL GRINDER/OPERATIONS
S-9 TROMMEL SCREEN/OPERATIONS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No. 1 for < 3 minutes in any hour	None	N	N/A
Particu-late Matter (PM)	BAAQMD 6-1-311 and SIP 6-311	Y		$E = 0.026(P)^{0.67}$ where: E = Allowable Emission Rate (lb/hr); and P = Process Weight Rate (lb/hr) Maximum Allowable Emission Rate = 40 lb/hr For P >57,320 lb/hr (or P > 28.66 tons/hr)	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

~~Table VII – D~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~S-5 TUB GRINDER~~
~~S-7 TROMMEL SCREEN~~
~~A-7 WATER SPRAY~~

~~Type of Limit~~	~~Citation of Limit~~	~~FE Y/N~~	~~Future Effective Date~~	~~Limit~~	~~Monitoring Requirement Citation~~	~~Monitoring Frequency (P/C/N)~~	~~Monitoring Type~~
~~Opacity~~	~~BAAQMD Regulation 6-301~~	~~Y~~		~~Ringelmann 1.0 for 3 minutes in any hour~~	~~BAAQMD Condition # 15050, Part 5~~	~~P/E~~	~~Observation of Operations~~
~~Opacity~~	~~BAAQMD Condition # 15050, Part 4~~	~~Y~~		~~Ringelmann 1.0~~	~~BAAQMD Condition # 15050, Part 5~~	~~P/E~~	~~Observation of Operations~~
~~FP~~	~~BAAQMD Regulation 6-311~~	~~Y~~		~~S-5: 40 lb/hr (throughput = 80 tons/hr) S-7: 40 lb/hr (throughput = 30 tons/hr)~~		~~N~~	
~~Operating Time~~	~~BAAQMD Condition # 15050, Part 1~~	~~Y~~		~~16 hours per calendar day and 3466 hours per 12-month period (apply to S-5 and S-7, each)~~	~~BAAQMD Condition # 15050, Part 2~~	~~P/D~~	~~Daily Record of Operating Hours~~

VII. Applicable Limits and Compliance Monitoring Requirements

~~Table VII – E~~
~~Applicable Limits and Compliance Monitoring Requirements~~
~~S-6 TUB GRINDER 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 6-301~~	~~Y~~		~~Ringelmann 1.0 for 3 minutes in any hour~~	~~BAAQMD Condition # 19498, Part 7~~	~~P/E~~	~~Observation for Visible Smoke~~
~~FP~~	~~BAAQMD Regulation 6-310~~	~~Y~~		~~0.15 gr/dscf~~	~~None~~	~~N~~	~~N/A~~
~~POC~~	~~BAAQMD Condition # 19498, Part 2~~	~~Y~~		~~1.1 g/bhp-hr~~	~~BAAQMD Condition # 19498, Part 6~~	~~P/A~~	~~Annual Source Test~~
~~NOx~~	~~BAAQMD Condition # 19498, Part 3~~	~~Y~~		~~5.3 g/bhp-hr~~	~~BAAQMD Condition # 19498, Part 6~~	~~P/A~~	~~Annual Source Test~~
~~CO~~	~~BAAQMD Condition # 19498, Part 4~~	~~Y~~		~~3.0 g/bhp-hr~~	~~BAAQMD Condition # 19498, Part 6~~	~~P/A~~	~~Annual Source Test~~
~~SO_2~~	~~BAAQMD Regulation 9-1-301~~	~~Y~~		~~Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours~~	~~None~~	~~N~~	~~N/A~~
~~SO_2~~	~~BAAQMD Regulation 9-1-304~~	~~Y~~		~~Fuel Sulfur Limit 0.5%~~	~~BAAQMD Condition # 19498, Parts 5 and 8~~	~~P/M~~	~~Vendor Certification and Fuel Usage Records~~
~~SO_2~~	~~BAAQMD Condition # 19498, Part 5~~	~~Y~~		~~Fuel Sulfur Limit 0.05%~~	~~BAAQMD Condition # 19498, Parts 5 and 8~~	~~P/M~~	~~Vendor Certification and Fuel Usage Records~~
~~Operating Time~~	~~BAAQMD Condition # 19498, Part 1~~	~~Y~~		~~16 hours per calendar day and 3466 hours per 12-month period~~	~~BAAQMD Condition # 19498, Part 8~~	~~P/D~~	~~Records of Operating Hours~~

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301 and SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; or EPA Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources
BAAQMD 6-1-310 and SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulate; or EPA Reference Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-311 and SIP 6-311	Process Weight Rate Based Emissions Limits	Manual of Procedures, Volume IV, ST-15, Particulates Sampling, or ~~Calculate Emissions in Accordance with EPA AP-42 Procedures~~ EPA Reference Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 8-2-301 and SIP 8-2-301	Total Organic Compound (TOC) Mass and Concentration ~~Emission~~ Limitation for Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Reference Method 25 or 25A
SIP 8-5-303.2	Gas Tight Requirement for PRV	US EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-7-301.6	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.5	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.8	Liquid Removal Rate	Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility Liquid Removal Devices or ARB Test Method TP-201.6 Determination of Liquid Removal of Vapor Recovery Systems of Dispensing Facilities
BAAQMD 8-7-302.12	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses; or CARB Test Procedure TP-201.2E; or CARB determined equivalent

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-7-302.13	Nozzle Spitting	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses; or CARB Test Procedure TP-201.2D; or CARB determined equivalent
~~SIP 8-7-302.12~~	~~Liquid Retain from Nozzles~~	~~Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses~~
~~SIP 8-7-302.13~~	~~Nozzle Spitting~~	~~Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses~~
BAAQMD 8-34-301.2	Collection and Control System Component Leak Limitations	EPA Reference Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-34-301.3	NMOC 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	NMOC 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~~ Leak Limit	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 Limit for Gas at Wellheads	APCO Approved Device
BAAQMD 8-34-305.3	~~Wellhead~~ Nitrogen Concentration in Gas at Wellheads	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-305.4	~~Wellhead~~ Oxygen Concentration in Gas at Wellheads	EPA Reference Method 3C, Determination of Carbon Dioxide, Methane, Nitrogen, and Oxygen from Stationary Sources
BAAQMD 8-34-412	Compliance Demonstration Test	EPA Reference Method 18, Measurement of Gaseous Organic Compound Emissions by Gas Chromatography, Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer, or Method 25C, Determination of Nonmethane Organic Compounds (NMOC) in MSW Landfill Gases
BAAQMD 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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-1-302	General Emission Limitation (SO_2)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, ~~or~~ ~~ST-19B, Total Sulfur Oxides, Integrated Sample~~
BAAQMD 9-1-304	Liquid Fuel Sulfur Content Limit	Manual of Procedures, Volume III, Method 10, Determination of Sulfur Content in Fuel Oil, or ASTM D2622-94 CARB Approved Equivalent
BAAQMD 9-2-301	Limitations on Hydrogen Sulfide	Manual of Procedures, Volume VI, Part 1, Ground Level Monitoring for Hydrogen Sulfide and Sulfur Dioxide
CCR Title 13, Section 2281, (a)(2 and 5)	Liquid Fuel Sulfur Content Limit	ASTM D2622-94 or CARB Approved Equivalent
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
BAAQMD Condition # 8178, Part 3	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD Condition # 10423, 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 # 10423, Part 3	Emission Limit for Low VOC Soils	BAAQMD 8-40-601 and EPA Reference Methods 8015B and 8021B; or EPA Reference Method 21 and APCO Approved Calculation Procedure Described in BAAQMD Condition # 10423, Part 3
BAAQMD Condition # 10423, Part 8	Heat Input Limits	APCO approved gas flow meter and APCO approved calculation procedure described in BAAQMD Condition # 10423, Part 8
BAAQMD Condition # 10423, Part 9	Flare Combustion Zone Temperature Limit	APCO Approved Device

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Condition # 10423, Part 10a	Landfill Gas Sulfur Content Limit	Draeger Tube: measuring hydrogen sulfide, used in accordance with manufacturer's recommended procedures. BAAQMD Lab Method 44A or Manual of Procedures, Volume III, Method 5 Determination of Total Mercaptans in Effluents and Method 25 Determination of Hydrogen Sulfide in Effluents, or Method 44 Determination of Reduced Sulfur Gases and Sulfur Dioxide in Effluent Samples by Gas Chromatographic Methods; Or Portable H_2S analyzer used in accordance with manufacturer's recommended procedures
BAAQMD Condition # 10423, Part 10b	NO_x Limit	Manual of Procedures, Volume IV, Oxides of Nitrogen, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling; or EPA Reference Method 20
BAAQMD Condition # 10423, Part 11	Compliance Demonstration Test	Manual of Procedures, Volume IV, ST-17, Stack Gas Velocity and Volumetric Flow Rate; ST-23 Water Vapor; ST-14, Oxygen, Continuous Sampling; ST-13A, Oxides of Nitrogen, Continuous Sampling; ST-6, Carbon Monoxide, Continuous Sampling; and Manual of Procedures, Volume IV, ST-7, Organic Compounds or EPA Reference Methods 18, 25, 25A or 25C
BAAQMD Condition # 10423, Part 12	Landfill Gas Characterization	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; and Manual of Procedures, Volume III, Method 44 Determination of Reduced Sulfur Gases and Sulfur Dioxide in Effluent Samples by Gas Chromatography Methods
~~BAAQMD Condition # 15050, Part 4~~	~~Ringelmann No. 1 Limitation~~	~~Manual of Procedures, Volume I, Evaluation of Visible Emissions~~
BAAQMD Condition # 16516	Aboveground Gasoline Leak Testing Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tank
~~BAAQMD Condition # 19498, Part 2~~	~~IC Engine POC 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 # 19498, Part 3~~	~~IC Engine NOx Limit~~	~~Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling~~

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
~~BAAQMD Condition # 19498, Part 4~~	~~IC Engine CO Limit~~	~~Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling~~
~~BAAQMD Condition # 19498, Part 5~~	~~Fuel Sulfur Content~~	~~Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oil~~
CARB EO G-70-148-A paragraph 10	Leak Free Emergency Vent or Manway	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
CARB EO G-70-148-A paragraph 12	Disconnection Liquid Leaks for Phase I Systems	BAAQMD Enforcement Division, Policies and Procedures, Regulation 8, Rule 33, Bulk Gasoline Distribution Facilities and Gasoline Delivery Vehicles Guidelines, Section 5.B.1.

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

IX. PERMIT SHIELD

Not Applicable.

X. REVISION HISTORY

Initial Issuance (Application Number 2611): February 5, 2004

Minor ~~Modification~~Revision (Application Number 10688): August 25, 2006

- This minor revision integrated application numbers 8121, 11388, and 13071 into the Newby Island/BFI-The Recyclery Title V Permit

Title V Renewal~~:~~ (Application Number 18703): [Enter Approval Date]

- The Responsible Official and Plant Contact are changed from Gil Cheso to Rick King.
- Application 13277: Add ~~A~~alternate wellhead temperature standard for thirty one landfill gas extraction wells and alternate wellhead percent oxygen for twenty two landfill gas extraction wells.
- Application 13443: Corrects~~ed~~ the current landfill gas extraction well and component count~~/~~ and authorizes installation of seventy additional vertical wells, eight horizontal collectors, decommissioning of up to twenty five well and up to eight horizontal collectors, and replacement of up to 20 vertical wells.
- Application 23393: Correct~~ed~~s the current landfill gas extraction well and component count~~/~~ and authorizes installation of 100 additional vertical wells, 20 horizontal collectors, decommissioning of up to 150 wells and up to 15 horizontal collectors, and unlimited replacement of vertical wells.
- Correct the Table of Contents~~:~~ by remove~~e~~ing Section XII Applicable State Implementation Plan.
- Correct and update regulatory amendment dates in Section I.
- Add and revise text in Section I, III, IV, VII, and VIII to conform to current standard text.
- In Section II, Table II-A, remove sources S-5, S-6 and S-7, and add sources S-8, S-9, S-5 and S-6. Correct equipment list to account for archiving (shutdown) of Newby permitted diesel engine operations for tub grinder and trommel screen in favor of use of California State Portable Equipment Registration Program (PERP) equipment.
- In Section II, Table II-B, remove abatement device A-7 Water Sprays.
- Update regulatory amendment dates, remove obsolete SIP citations, and add additional applicable requirements to Table III.
- Update regulatory amendment dates and descriptions, add SIP provisions, add new BAAQMD provisions, and delete unnecessary future effective dates in Tables IV-A, IV-B, IV-C, VII-A, VII-B, VII-C, and VIII.
- In Table IV-A and VII-A, include S-5 and S-6, landfilling operations
- Remove Tables IV-D and VII-D for S-5 Tub Grinder and S-7 Trommel Screen.
- Remove Tables IV-E and VII-E for S-6 Tub Grinder Engine.
- In Section VI, Condition 10423, include S-5 and S-6 for landfill operations

X. Revision History

- In Condition 10423, Part 6 and 9, revise correct the regulatory citations in the basis.
- In Condition 10423, Part 6a and Table VII-A, increase the number of allowed new vertical wells and horizontal collectors.
- In Condition 10423, Part 7 was deleted because it was added into Part 6.
- Correct~~ion of C~~ conditions and requirements for aboveground gasoline storage tank in Section VI and in Tables IV-C and VII-C.
- In Section VI, remove Condition # 15050 for S-5 and S-7.
- In Section VI, remove Condition # 19498 for S-6.
- In Section VI, add Condition # 16516 for S-4.
- In Section VII, add symbols (< and >) to clarify applicable limits in Tables VII-A-D.
- In Table VII, add specific gas wells subject to subsections of Regulation 8, Rule 34-305.
- In Table VIII, add ~~-~~test methods and calculation procedures for CARB diesel fuel sulfur limits.
- In Table VIII, add ~~-~~test methods for new permit conditions that have emission limits.
- In Section VIII, add several missing EPA reference methods to Table VIII.
- In Section X, update the revision history by adding descriptions of permit revisions.
- In Section XI, add numerous terms to the glossary.
- Remove Section XII Applicable State Implementation Plan to conform to current standard MFR permit format.

~~X.~~XI. GLOSSARY

ACT
Federal Clean Air Act

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

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

ARB
Air Resources Board (same as CARB)

ASTM
American Society for Testing and Materials

ATC
Authority to Construct

ATCM
Airborne Toxic Control Measure

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

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

C1
An organic chemical compound with one carbon atom, for example: methane

C3
An organic chemical compound with three carbon atoms, for example: propane

C5
An organic chemical compound with five carbon atoms, for example: pentane

C6

XI. Glossary

An organic chemical compound with six carbon atoms, for example: hexane

C_6H_6
Benzene

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CARB
California Air Resources Board (same as ARB)

CCR
California Code of Regulations

CEC
California Energy Commission

CEQA
California Environmental Quality Act

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

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

CH4 or CH_4
Methane

CI
Compression Ignition

CIWMB
California Integrated Waste Management Board

CO
Carbon Monoxide

XI. Glossary

CO2 or CO_2
Carbon Dioxide

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

E6, E9, E12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53E6 equals (4.53) x (10^6) = (4.53) x (10x10x10x10x10x10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EG
Emission Guidelines

EO
Executive Order

EPA
The federal Environmental Protection Agency.

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.

FR
Federal Register

XI. Glossary

GLM
Ground Level Monitor

Grains
1/7000 of a pound

GDF
Gasoline Dispensing Facility

H2S or H_2S
Hydrogen Sulfide

H2SO4 or H_2SO_4
Sulfuric Acid

H&SC
Health and Safety Code

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

Hg
Mercury

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

LFG
Landfill gas

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

Long ton
2200 pounds

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.

XI. Glossary

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.

MSDS
Material Safety Data Sheet

MSW
Municipal solid waste

MW
Molecular weight

N2 or N_2
Nitrogen

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

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

NMHC
Non-methane Hydrocarbons (Same as NMOC)

NMOC
Non-methane Organic Compounds (Same as NMHC)

NO2 or NO_2
Nitrogen Dioxide

XI. Glossary

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

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

PV or P/V Valve
Pressure / Vacuum Valve

XI. Glossary

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

RMP
Risk Management Plan

RWQCB
Regional Water Quality Control Board

S
Sulfur

Short ton
2000 pounds

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

SO2 or SO_2
Sulfur dioxide

SO3 or SO_3
Sulfur trioxide

SSM
Startup, Shutdown, or Malfunction

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

TAC
Toxic Air Contaminant (as identified by CARB)

THC
Total Hydrocarbons (NMHC + Methane)

Therm
100,000 British Thermal Units

XI. Glossary

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

TSP
Total Suspended Particulate

TVP
True Vapor Pressure

VMT
Vehicle Miles Traveled

VOC
Volatile Organic Compounds

Symbols:

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

Units of Measure:

atm	=	atmospheres
bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower

XI. Glossary

btu	=	British Thermal Unit
BTU	=	British Thermal Unit
°C	=	degrees Centigrade
cfm	=	cubic feet per minute
dscf	=	dry standard cubic feet
°F	=	degrees Fahrenheit
ft^3	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
gr	=	grains
hp	=	horsepower
hr	=	hour
lb	=	pound
lbmol	=	pound-mole
in	=	inches
kW	=	kilowatts
m^2	=	square meter
m^3	=	cubic meters
min	=	minute
mm	=	million
MM	=	million
MM BTU	=	million BTU
Mcf	=	on thousand cubic feet
MMcf	=	million cubic feet
Mg	=	mega grams
MW	=	megawatts
ppb	=	parts per billion
ppbv	=	parts per billion, by volume
ppm	=	parts per million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scf	=	standard cubic feet
scfm	=	standard cubic feet per minute
sdcf	=	standard dry cubic feet
sdcfm	=	standard dry cubic feet per minute
yd	=	yard
yd^3	=	cubic yards
yr	=	year

~~XII.APPLICABLE STATE IMPLEMENTATION PLAN~~

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

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