



MAR 04 2011

W. Michael Carroll  
Foothill Sanitary Landfill  
P O Box 1810  
Stockton, CA 95201

**Re: Notice of Preliminary Decision - Title V Permit Renewal  
District Facility # N-4070  
Project # N-1060558**

Dear Mr. Carroll:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Foothill Sanitary Landfill for its landfill located at 6484 N. Waveryly Rd. in Linden, California, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

Attachments  
C: Frank DeMaris, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

---

**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061

**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585



MAR 04 2011

Gerardo C. Rios, Chief  
Permits Office (AIR-3)  
U.S. EPA - Region IX  
75 Hawthorne St.  
San Francisco, CA 94105

**Re: Notice of Preliminary Decision – Title V Permit Renewal  
District Facility # N-4070  
Project # N-1060558**

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Foothill Sanitary Landfill for its landfill located at 6484 N. Waverly Rd. in Linden, California, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

**Attachments**

C: Frank DeMaris, Permit Services Engineer

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MAR 04 2011

Mike Tollstrup, Chief  
Project Assessment Branch  
Air Resources Board  
P O Box 2815  
Sacramento, CA 95812-2815

**Re: Notice of Preliminary Decision - Title V Permit Renewal  
District Facility # N-4070  
Project # N-1060558**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Foothill Sanitary Landfill for its landfill located at 6484 N. Waveryly Rd. in Linden, California, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

**Attachments**

C: Frank DeMaris, Permit Services Engineer

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Stockton Record

**NOTICE OF PRELIMINARY DECISION  
FOR THE PROPOSED RENEWAL OF  
THE FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed renewal of the Federally Mandated Operating Permit to Foothill Sanitary Landfill for its landfill located at 6484 N. Waverly Rd. in Linden, California, California.

The District's analysis of the legal and factual basis for this proposed action, project #N-1060558, is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and the District office at the address below. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed renewal of the Federally Mandated Operating permit. If requested by the public, the District will hold a public hearing regarding issuance of this renewed permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. Written comments on the proposed renewed permit must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CALIFORNIA 93726-0244.

**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation  
Foothill Sanitary Landfill  
N-4070**

**TABLE OF CONTENTS**

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I.	PROPOSAL .....	2
II.	FACILITY LOCATION .....	2
III.	EQUIPMENT LISTING .....	3
IV.	GENERAL PERMIT TEMPLATE USAGE .....	3
V.	SCOPE OF EPA AND PUBLIC REVIEW .....	3
VI.	FEDERALLY ENFORCEABLE REQUIREMENTS .....	3
VII.	REQUIREMENTS NOT FEDERALLY ENFORCEABLE .....	6
VIII.	PERMIT REQUIREMENTS .....	7
IX.	PERMIT SHIELD .....	13
X.	PERMIT CONDITIONS .....	13
XI.	ATTACHMENTS .....	13
A.	DRAFT RENEWED TITLE V OPERATING PERMIT	
B.	PREVIOUS TITLE V OPERATING PERMIT	
C.	DISTRICT RULE 4651 STRINGENCY ANALYSIS	
D.	DETAILED FACILITY LIST	

**TITLE V PERMIT RENEWAL EVALUATION**  
**Sanitary Landfill**

**Engineer:** Frank DeMaris  
**Date:** March 2, 2011

**Facility Number:** N-4070  
**Facility Name:** Foothill Sanitary Landfill  
**Mailing Address:** Public Works Department  
P O Box 1810  
Stockton, CA 95201

**Contact Name:** W. Michael Carroll  
**Phone:** (209) 468-3066

**Responsible Official:** Desi Reno  
**Title:** Integrated Waste Manager

**Project # :** N-1060558  
**Deemed Complete:** September 21, 2006

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**I. PROPOSAL**

Foothill Sanitary Landfill was issued a Title V permit on June 30, 2002. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit will be reviewed and modified to reflect all applicable District and federal rules that have been updated, removed, or added since the issuance of the initial Title V permit.

The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to determine if the facility will comply with these updated requirements. It also specifically identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

**II. FACILITY LOCATION**

Foothill Sanitary Landfill is located at 6484 N Waverly Rd. in Linden, California.

### III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is included as Attachment D.

### IV. GENERAL PERMIT TEMPLATE USAGE

The applicant does not propose to use any model general permit templates.

### V. SCOPE OF EPA AND PUBLIC REVIEW

The applicant is not requesting any model general permit templates. Therefore, all federally enforceable conditions in this current Title V permit will be subject to EPA and public review.

### VI. FEDERALLY ENFORCEABLE REQUIREMENTS

#### A. Rules Updated

- District Rule 1020, Definitions  
(amended January 15, 2009)
- District Rule 2201, New and Modified Stationary Source Review Rule  
(amended December 18, 2008)
- District Rule 4601, Architectural Coatings  
(amended December 17, 2009)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos
- 40 CFR Part 82, Subparts B and F, Stratospheric Ozone
- 40 CFR Part 60, Subpart WWW, Standard of Performance for Municipal Solid Waste Landfills

## **B. Rules Removed**

No applicable federally-enforceable rules have been removed since the most recent Title V action, which was an Administrative Amendment, finalized on October 17, 2008, to incorporate Authority to Construct N-4070-1-3 into the Title V Permit.

## **C. Rules Added**

- 40 CFR Part 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills

## **D. Rules Not Updated**

- District Rule 1010, Title  
(adopted June 18, 1992)
- District Rule 1080, Stack Monitoring  
(amended December 17, 1992)
- District Rule 1081, Source Sampling  
(amended December 17, 1992)
- District Rule 1110, Circumvention  
(amended December 17, 1992)
- District Rule 1130, Severability  
(amended December 17, 1992)
- District Rule 1140, Applicability of Emission Limits  
(amended December 17, 1992)
- District Rule 1150, Separation and Combination  
(amended December 17, 1992)
- District Rule 2010, Permits Required  
(amended December 17, 1992)
- District Rule 2020, Exemptions  
(amended December 20, 2007)
- District Rule 2031, Transfer of Permits  
(amended December 17, 1992)

- District Rule 2050, Cancellation of Application  
(amended December 16, 1993)
- District Rule 2070, Standards for Granting Applications  
(amended December 17, 1992)
- District Rule 2080, Conditional Approval  
(amended December 17, 1992)
- District Rule 2092, Standards for Permits to Operate  
(amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits  
(amended June 21, 2001)
- District Rule 4101, Visible Emissions  
(amended February 17, 2005)
- District Rule 4106, Prescribed Burning and Hazard Reduction Burning  
(adopted June 21, 2001)
- District Rule 4201, Particulate Matter Concentration  
(amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate  
(amended December 17, 1992)
- District Rule 4642, Solid Waste Disposal Sites  
(amended April 16, 1998)
- District Rule 4651, Soil Decontamination Operations  
(amended September 20, 2007)
- District Rule 4801, Sulfur Compounds  
(amended December 17, 1992)
- District Rule 8011, General Requirements  
(amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities  
(amended August 19, 2004)

- District Rule 8031, Bulk Materials  
(amended August 19, 2004)
- District Rule 8041, Carryout and Trackout  
(amended August 19, 2004)
- District Rule 8051, Open Areas  
(amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads  
(amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas  
(amended September 16, 2004)
- 40 CFR Part 60, Subpart Cc, Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills
- 40 CFR Part 62, Subpart GGG, Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction Prior to May 30, 1991 and Have Not Been Modified or Reconstructed Since May 30, 1991
- 40 CFR Part 64, Compliance Assurance Monitoring

## VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating Permit. The terms and conditions that are part of the facility's Title V permit are designated as "Federally Enforceable Through Title V Permit".

For this facility, the following are not federally enforceable and will not be discussed in further detail:

### A. Rules Added

No applicable non-federally-enforceable rules have been added since the most recent Title V action, which was an Administrative Amendment, finalized on October 17, 2008, to incorporate Authority to Construct N-4070-1-3 into the Title V Permit.

## **B. Rules Not Updated**

- District Rule 4102, Nuisance  
(amended December 17, 1992)

Condition 39 of proposed Permit to Operate N-4070-0-2 is based on District Rule 4102. This condition is not federally enforceable, and the requirements of this rule will not be further discussed.

## **VIII. PERMIT REQUIREMENTS**

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will only address rules that have been amended or added since the issuance of the initial Title V permit.

### **A. District Rule 1020 – Definitions**

District Rule 1020 lists the definitions of common terms used throughout the District rules. The amendment to this rule does not have any effect on current permit requirements, and will therefore not be addressed in this evaluation.

### **B. District Rule 2201 – New and Modified Stationary Source Review Rule**

District Rule 2201 has been amended since this facility's initial Title V permit was modified. This Title V permit renewal does not constitute a modification per section 3.26, defined as an action including at least one of the following:

- 1) Any change in hours of operation, production rate, or method of operation of an existing emissions unit, which would necessitate a change in permit conditions.
- 2) Any structural change or addition to an existing emissions unit which would necessitate a change in permit conditions. Routine replacement shall not be considered to be a structural change.
- 3) An increase in emissions from an emissions unit caused by a modification of the Stationary Source when the emissions unit is not subject to a daily emissions limitation.
- 4) Addition of any new emissions unit which is subject to District permitting requirements.
- 5) A change in a permit term or condition proposed by an applicant to obtain an exemption from an applicable requirement to which the source would otherwise be subject.

Therefore, the updated requirements of this rule are not applicable at this time.

**C. District Rule 2520 – Federally Mandated Operating Permits**

There are no federally applicable greenhouse gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40 CFR 98) is not included in the definition of an applicable requirement within Title V, as specified in 40 CFR 71.2. Therefore, no GHG requirements will be included in the proposed Permit to Operate. No further discussion is required.

**D. District Rule 4601 – Architectural Coatings**

This rule limits VOC emissions from architectural coatings. This rule is applicable to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating. The rule was amended in December 17, 2009 but had not been SIP approved. The Non-SIP approved rule lowers the VOC content of the coatings applied to stationary structures, portable buildings, pavements, or curbs. The amendment does not impact the facility's primary source operation and will not be further addressed in this renewal evaluation.

**E. 40 CFR Part 60, Subpart WWW – Standards of Performance for Municipal Solid Waste Landfills**

The requirements of this Subpart apply to each existing municipal solid waste (MSW) landfill for which construction, reconstruction, or modification was commenced on or after May 30, 1991. As noted above, Highway 59 Landfill commenced modification after May 30, 1991, so the requirements of Subpart WWW apply to this facility.

**a. N-4070-1-4 – Municipal Solid Waste Landfill**

Section 60.752 requires the owner or operator of the landfill to comply with either §60.752(a) or §60.752(b) depending on the design capacity of the landfill.

- If the landfill is less than 2.5 million megagrams or 2.5 million cubic meters, the owner or operator must comply with the requirements of 40 CFR 60.752(a).

- If the landfill is equal to or greater than 2.5 million megagrams or 2.5 million cubic meters, the owner or operator must comply with the requirements of 40 CFR 60.752(b).

Foothill Sanitary Landfill has a design capacity is 138 million cubic yards, equivalent to just over 105 million cubic meters. Therefore, the owner or operator must comply with §60.752(b).

Section 60.752(b) specifies that the owner or operator of a landfill required to comply with this section must either design, install, maintain, and operate a landfill gas collection system in accordance with §60.752(b)(2) or calculate the NMOC emission rate using the procedure specified in §60.754. If the NMOC emission rate is calculated to exceed 50 Mg/yr, using a series of increasingly site-specific calculations, then a landfill gas collection system that complies with §60.752(b)(2) must be designed, installed, maintained, and operated.

The District has verified that Foothill Sanitary Landfill exceeded the NMOC emission rate in 2004 and subsequently installed a gas collection system in accordance with the time frames specified in §60.757(c). Foothill Sanitary Landfill is required to maintain and operate the gas collection system that has already been designed and installed.

The District has verified that condition 7 of N-4070-1-4 will ensure compliance with the requirements of this section.

Section 60.753 specifies the operational requirements for a landfill with a gas collection system used to comply with the provisions of §60.752(b)(2). Foothill Sanitary Landfill is required to comply with §60.752(b)(2), because NMOC emissions have exceeded the 50 Mg/yr threshold.

The District has verified that conditions 8, 13, 14, and 21 of N-4070-1-4 will ensure compliance with the requirements of this section.

Section 60.754(a) requires that the owner or operator calculate NMOC emissions on an annual basis unless the facility qualifies for a five-year report in accordance with §60.757(b)(1)(ii). Foothill Sanitary Landfill has already exceeded the 50 Mg/yr NMOC emission threshold and installed the required gas collection system. Therefore, the requirements of this section have been overtaken by events at Foothill Sanitary Landfill, which is no longer requirement to submit annual NMOC emission reports.

Section 60.755 specifies the provisions under which an owner or operator must demonstrate compliance with the applicable requirements of §60.752(b)(2). Foothill Sanitary Landfill is required to comply with the provisions of §60.752(b)(2) and is therefore subject to the requirements of this section.

The District has verified that conditions 8 and 21 of N-4070-1-4 will ensure compliance with the requirements of this section.

Section 60.756 specifies the monitoring provisions that apply to an owner or operator required to comply with §60.752(b)(2). Foothill Sanitary Landfill is required to comply with the provisions of §60.752(b)(2) and is therefore subject to the requirements of this section.

The District has verified that conditions 8 and 21 of N-4070-1-4 will ensure compliance with the requirements of this section.

Section 60.757(a) specifies the requirement for every owner and operator to submit an initial design capacity report by the applicable deadline. Foothill Sanitary Landfill has submitted the required initial design capacity report, which showed that the design capacity exceeds 2.5 million cubic meters and 2.5 million megagrams. Foothill Sanitary Landfill has already complied with this section, and no further discussion is required.

Section 60.757(b) requires each owner and operator subject to these requirements to submit an NMOC emission report to the Administrator. Pursuant to §60.757(b)(3), a facility that is required to install a gas collection and control system to comply with the requirements of this Subpart is exempt from the annual NMOC reporting requirement as long as the gas collection and control system is operating and in compliance with the performance specifications in this Subpart. Foothill Sanitary Landfill has installed a gas collection system for compliance with §60.752(b)(2) and is therefore exempt from the NMOC reporting requirement.

Section 60.757(c) specifies the requirements that apply to an owner or operator subject to the requirements of §60.752(b)(2)(i). Foothill Sanitary Landfill is subject to the requirements of §60.752(b)(2) and has achieved full compliance with those requirements. The reporting requirements and schedule of §60.757(c) are not applicable to this facility.

Section 60.757(d) requires an owner or operator of a controlled landfill that stops accepting waste to submit a closure report to the Administrator within 30 days. If a closure notice has been submitted, no additional wastes may be

placed into the landfill without filing a notice of modification with the Administrator as specified in 40 CFR 60.7(a)(4).

The District has verified that conditions 8 and 21 of N-4070-1-4 will ensure compliance with the requirements of this section.

Section 60.758(a) specifies that the owner or operator of a landfill subject to the provisions of §60.752(b) must keep for at least five years up-to-date, readily accessible on-site records of the design capacity report, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records are acceptable if they can be retrieved within four hours. Either paper copy or electronic document formats are acceptable.

The District has verified that condition 27 of N-4070-1-4 will ensure compliance with the requirements of this section.

Section 60.759 details the specifications for active gas collection systems installed for compliance with this Subpart. These specifications cover a variety of design and construction requirements, including design by a professional engineer, sufficient density of active gas collection wells, and proper construction of the gas collection wells, pipelines, and gas extraction systems.

The District has verified that conditions 8 and 21 of N-4070-1-4 will ensure compliance with the requirements of this section.

#### **F. 40 CFR Part 60, Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills**

This Subpart applies to each MSW landfill for which construction, reconstruction, or modification was commenced before May 30, 1991. It requires the State of California to submit a plan to US EPA which identifies how the state intends to meet the requirements contained in the guidelines.

The guidelines require the state plan to mandate control of MSW landfill emissions from MSW landfills meeting the following criteria:

- The landfill has accepted waste since November 8, 1987 or has additional design capacity to accommodate additional waste;
- The landfill design capacity is equal to or greater than 2.5 million cubic meters and equal to or greater than 2.5 million megagrams; and
- The landfill NMOC emission rate is equal to or greater than 50 Mg/yr.

Foothill Sanitary Landfill meets all of the applicability criteria for this Subpart. However, the District has not submitted a suitable rule for inclusion in the State Implementation Plan, choosing instead to directly implement to Federal Plan requirements of 40 CFR Part 62, Subpart GGG through the Title V permit program.

**G. 40 CFR Part 61, Subpart M – National Emission Standard for Asbestos**

These regulations apply to demolition or renovation activity, as defined in 40 CFR 61.141. 40 CFR Section 61.150 of this Subpart was amended September 18, 2003, and condition 35 of N-4070-0-2 ensures compliance with the requirements.

**H. 40 CFR Part 62, Subpart GGG, Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction Prior to May 30, 1991 and Have Not Been Modified or Reconstructed Since May 30, 1991**

This Subpart contains emission requirements and compliance schedules for the control of designated pollutants from certain municipal solid waste landfills. This Federal Plan applies to each affected facility that is not covered by an EPA-approved and currently effective state or tribal plan. The District has chosen to directly implement the Federal Plan requirements through the Title V permit program, so Foothill Sanitary Landfill is not covered by an EPA-approved state plan.

Conditions 23 through 28 on the existing Permit to Operate were included to ensure compliance with the increments of progress specified in this Subpart. However, Foothill Sanitary Landfill achieved final compliance with these increments of progress on June 9, 2008. Therefore, conditions 23 through 28 on the existing Permit to Operate have been deleted from proposed Permit to Operate N-4070-1-4.

**I. 40 CFR Part 63, Subpart AAAA – National Emissions Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills**

This Subpart establishes national emission standards for hazardous air pollutants for existing and new MSW landfills. This Subpart requires landfill that are a major source, collocated with a major source, or an area source landfill that has a design capacity equal to or greater than 2.5 million megagrams (Mg) and 2.5 million cubic meters (m<sup>3</sup>) and has estimated uncontrolled emissions equal to or greater than 50 megagrams per year (Mg/yr) NMOC to meet the requirements of 40 CFR Part 60, Subpart Cc or WWW and requires timely control of bioreactors. This Subpart also requires such landfills to meet the startup, shutdown, and malfunction (SSM)

requirements of the general provisions of this part and provides that compliance with the operating conditions shall be demonstrated by parameter monitoring results that are within the specified ranges.

**a. N-4070-1-4 – Municipal Solid Waste Landfill**

Foothill Sanitary Landfill is subject to the requirements of this Subpart because NMOC emissions exceed the 50 Mg/yr threshold. The District has verified that conditions 23 through 25 on the proposed Permit to Operate will ensure compliance with the requirements of this Subpart.

**J. 40 CFR Part 82, Subparts B and F – Stratospheric Ozone**

These regulations apply to servicing motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC). Sections of this regulation were amended in 2007 and 2008, and conditions 27 and 28 of N-4070-0-2 assure compliance with the requirements.

**IX. PERMIT SHIELD**

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the Title V permit. Compliance with the terms and conditions of the Operating Permit is considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

There are no permit shields in the existing Permit to Operate.

**X. PERMIT CONDITIONS**

See Attachment A - Draft Renewed Title V Operating Permit.

**XI. ATTACHMENTS**

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. District Rule 4651 Stringency Analysis
- D. Detailed Facility List

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: N-4070-0-2

EXPIRATION DATE: 07/31/2006

## FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; San Joaquin County Rule 110] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; San Joaquin County Rule 110] Federally Enforceable Through Title V Permit
3. {1257} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rules 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. {1260} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {1261} Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: FOOTHILL SANITARY LANDFILL  
Location: 6484 N WAVERLY RD, LINDEN, CA

N-4070-0-2 - Jan 31 2011 9:57AM - DEMARISF

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere from any source operation (as defined in District Rule 1020) for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (2/17/05), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {1283} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {1284} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. {1288} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {1375} Any Title V permittee shall submit an application permit renewal to the District at least six months, but not greater than 18 months, prior to the Title V permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {1291} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. {118} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
40. On June 30, 2002, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin every July 1, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520, 9.5] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-4070-1-4

EXPIRATION DATE: 07/31/2006

## EQUIPMENT DESCRIPTION:

83.5 MILLION CUBIC METER CAPACITY (800 ACRES) MUNICIPAL SOLID WASTE LANDFILL SERVED BY A LANDFILL GAS COLLECTION SYSTEM AND A 60.7 MMBTU/HR OPEN FLARE

## PERMIT UNIT REQUIREMENTS

1. NOx emissions from the flare shall not exceed 0.06 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. CO emissions from the flare shall not exceed 0.09 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
3. VOC emissions from the flare shall not exceed 0.009 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. PM10 emissions from the flare shall not exceed 0.034 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
5. SOx emissions from the flare shall not exceed 0.03 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The flow rate of landfill gas into the flare shall not exceed 2,000 cfm. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The owner/operator shall install, maintain, and operate a collection and control system that captures gas generated from the landfill and routes it to an open, non-assisted flare. The collection and control system shall be designed according to 40 CFR 60.752(b)(2)(ii). The flare shall be designed and operated according to the provisions of 40 CFR 60.18. [District Rule 4001] Federally Enforceable Through Title V Permit
8. The collection and control system shall comply with all applicable provisions of 40 CFR 60 Subpart WWW at all times except during periods of startup, shutdown, or malfunction, provided that the duration of startup, shutdown, or malfunction shall not exceed five consecutive days for the collection system and shall not exceed one hour for the control system while the collection system is operating. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
9. "Startup" is defined as the activity of starting or attempting to start operation of the collection and control system, including all measurements, manipulations, adjustments, attempts to restore operation, as well as testing to verify proper operation of the collection and control system. Unsuccessful attempts to restart the collection and control system shall not be considered an individual shutdown. The owner/operator shall minimize emissions during startup. [District Rule 2201] Federally Enforceable Through Title V Permit
10. "Shutdown" is defined as the cessation of operation of the collection and control system. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. "Malfunction" means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not failures. [40 CFR 60.2] Federally Enforceable Through Title V Permit
12. "Maintenance" is defined as work performed on the collection and/or control system in order to ensure continued compliance with all applicable Rules and Regulations, and also to prevent failures and malfunctions. The owner/operator shall minimize emissions during maintenance periods. [District Rule 2201] Federally Enforceable Through Title V Permit
13. In the event that the collection or control system becomes inoperable, the gas mover equipment (as defined in 40 CFR 60.751) shall be shut down and all valves in the collection and control system contributing to venting of the landfill gas to the atmosphere shall be closed within one hour. [40 CFR 753(e)] Federally Enforceable Through Title V Permit
14. The collection system shall be operated such that the methane concentration is less than 500 parts per million above background at the surface of the landfill. Compliance with this surface methane operational standard shall be demonstrated using the procedures outlined in 40 CFR 60.755(c) within 180 days of installation and startup of the collection and control system and quarterly thereafter. [40 CFR 60.753(d), 40 CFR 60.755(c), and 40 CFR 60.8] Federally Enforceable Through Title V Permit
15. The owner/operator shall install, calibrate, maintain, and operate a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes. This meter shall also be capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. [40 CFR 60.756(c)(2)]
16. The flare's tip velocity shall be less than 18.3 m/sec (60 ft/sec), as determined by 40 CFR 60.18(f)(4). The net heating value of the landfill gas being combusted shall not be less than 200 Btu/scf, as determined by 40 CFR 60.18(f)(3). The flare's tip velocity and the net heating value of the landfill gas shall be determined within 180 days of installation and startup of the collection and control system and annually thereafter. [40 CFR 60.18(c)(4)(i) and 40 CFR 60.8] Federally Enforceable Through Title V Permit
17. The flare's discharge height shall be at least 30 feet above grade. [District Rules 2201 and 4102]
18. There shall be no visible emissions from the flare except for periods not exceeding a total of five minutes during any consecutive two hours. Visible emissions shall be determined using EPA Method 22 and a two-hour observation period. [40 CFR 60.18(c)(1)] Federally Enforceable Through Title V Permit
19. The flare shall be operated with a flame present at all times while gas is being vented to it. The presence of a flame shall be continuously monitored using a thermocouple, ultraviolet sensor, or any other equivalent device located at the pilot light or the flame itself. The flame's presence shall be recorded at least once every 15 minutes. [40 CFR 60.18(c)(2) and 40 CFR 60.756(c)(1)] Federally Enforceable Through Title V Permit
20. The flare shall be operated at all times when landfill gas is vented to it. [40 CFR 60.18(e)] Federally Enforceable Through Title V Permit
21. The landfill gas collection and control system shall comply with the operational standards of 40 CFR 60.753, the compliance provisions of 40 CFR 60.755, the monitoring provisions of 40 CFR 60.756, the reporting and record keeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758, 60.759, 62.14353 and 62.14354(b)] Federally Enforceable Through Title V Permit
22. Soil with VOC content of 50 ppm by weight or greater shall not be used as daily cover. [District Rule 4651] Federally Enforceable Through Title V Permit
23. The owner or operator shall comply with the requirements of 40 CFR 63.1960 through 63.1985, and with the general provisions of 40 CFR part 63, as specified in table 1 of 40 CFR part 63, subpart AAAA. [40 CFR 63.1955(b) and 63.1980(b)] Federally Enforceable Through Title V Permit
24. The owner or operator shall develop and implement a written startup, shutdown and malfunction (SSM) plan according to the provisions of 40 CFR 63.6(e)(3). A copy of the SSM plan shall be maintained on site. Failure to write, implement or maintain a copy of the SSM plan is a deviation from the requirements of 40 CFR part 63, subpart AAAA. [40 CFR 63.1960] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. The owner or operator shall keep records and reports as specified in 40 CFR part 60 subpart WWW, except that the owner or operator shall submit the annual report described in 40 CFR 60.757(f) every 6 months. [40 CFR 63.1980(a)] Federally Enforceable Through Title V Permit
26. Daily records of the weight of materials received - including waste material (tons) and soil cover (cubic yards converted to tons) - and daily records of all soil organic content test results and certifications for loads contaminated with VOCs, shall be maintained, kept on site for a period of five years, and made available to District staff upon request. [District Rule 4651] Federally Enforceable Through Title V Permit
27. Each owner/operator shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. [40 CFR 60.758(a), 62.14355(a) and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# ATTACHMENT B

Previous Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: N-4070-0-1

EXPIRATION DATE: 07/31/2006

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; San Joaquin County Rule 110] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; San Joaquin County Rule 110] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rules 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: FOOTHILL SANITARY LANDFILL  
Location: 6484 N WAVERLY RD. LINDEN, CA  
N-4070-0-1 Jan 27 2011 3:31PM -- DEMARISF

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere from any source operation (as defined in District Rule 1020) for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District, unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 (12/17/92)), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601 (12/17/92), unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 5.2] Federally Enforceable Through Title V Permit
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired, unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used, unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 5.5] Federally Enforceable Through Title V Permit
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (12/17/92), unless exempted under section 4.0 of District Rule 4601 (Amended 9/17/97). [District Rule 4601, 6.1 and 6.2] Federally Enforceable Through Title V Permit
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (4/25/96) unless specifically exempted under section 4.0 of Rule 8020. Landfill site construction activities must comply with this requirement. [District Rules 8020 and 8040, 5.1] Federally Enforceable Through Title V Permit
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (4/25/96), unless specifically exempted under section 4.0 of Rule 8030. [District Rule 8030] Federally Enforceable Through Title V Permit
33. All operational landfills shall comply with the requirements of District Rule 8040 (as amended April 25, 1996), unless specifically exempted by section 4.0 of this rule. These requirements include, but are not limited to, removal of accumulation of mud, dirt and other material from public paved roads adjacent to the landfill site, interior road requirements, and requirements for equipment used for removal of mud or dirt. This condition also applies to closure activities and closed landfill sites when activities are conducted which disturb surface soils covering an area greater than one (1) acre. [District Rule 8040] Federally Enforceable Through Title V Permit
34. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (4/25/96) unless specifically exempted under section 4.0 of Rule 8060. [District Rule 8060] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

35. The owner or operator shall insure that all areas of one (1) acre or greater, which are used for vehicle and/or equipment parking, fueling and service, shipping, receiving and transfer, comply with the requirements of District Rule 8070 (as amended April 25, 1996), unless specifically exempted under section 4.0 of this rule. All areas used for storage of construction vehicles, equipment, and material shall comply with the provision of District Rule 8070. [District Rules 8040, 5.4 and 8070] Federally Enforceable Through Title V Permit
36. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
37. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
38. Any Title V permittee shall submit an application permit renewal to the District at least six months, but not greater than 18 months, prior to the Title V permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
39. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
41. On June 30, 2002, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520, 9.5] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-4070-1-3

**EXPIRATION DATE:** 07/31/2006

**EQUIPMENT DESCRIPTION:**

83.5 MILLION CUBIC METER CAPACITY (800 ACRES) MUNICIPAL SOLID WASTE LANDFILL SERVED BY A LANDFILL GAS COLLECTION SYSTEM AND A 60.7 MMBTU/HR OPEN FLARE

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. NO<sub>x</sub> emissions from the flare shall not exceed 0.06 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
3. CO emissions from the flare shall not exceed 0.09 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from the flare shall not exceed 0.009 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM<sub>10</sub> emissions from the flare shall not exceed 0.034 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
6. SO<sub>x</sub> emissions from the flare shall not exceed 0.03 lb/MMBtu. As long as the flare is designed and operated according to the applicable provisions of 40 CFR 60.18, it is assumed that the flare is in compliance with this emission limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The flow rate of landfill gas into the flare shall not exceed 2,000 cfm. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The owner/operator shall install, maintain, and operate a collection and control system that captures gas generated from the landfill and routes it to an open, non-assisted flare. The collection and control system shall be designed according to 40 CFR 60.752(b)(2)(ii). The flare shall be designed and operated according to the provisions of 40 CFR 60.18. [District Rule 4001] Federally Enforceable Through Title V Permit
9. The collection and control system shall comply with all applicable provisions of 40 CFR 60 Subpart WWW at all times except during periods of startup, shutdown, or malfunction, provided that the duration of startup, shutdown, or malfunction shall not exceed five consecutive days for the collection system and shall not exceed one hour for the control system while the collection system is operating. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
10. "Startup" is defined as the activity of starting or attempting to start operation of the collection and control system, including all measurements, manipulations, adjustments, attempts to restore operation, as well as testing to verify proper operation of the collection and control system. Unsuccessful attempts to restart the collection and control system shall not be considered an individual shutdown. The owner/operator shall minimize emissions during startup. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. "Shutdown" is defined as the cessation of operation of the collection and control system. [District Rule 2201] Federally Enforceable Through Title V Permit
12. "Malfunction" means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not failures. [40 CFR 60.2] Federally Enforceable Through Title V Permit
13. "Maintenance" is defined as work performed on the collection and/or control system in order to ensure continued compliance with all applicable Rules and Regulations, and also to prevent failures and malfunctions. The owner/operator shall minimize emissions during maintenance periods. [District Rule 2201] Federally Enforceable Through Title V Permit
14. In the event that the collection or control system becomes inoperable, the gas mover equipment (as defined in 40 CFR 60.751) shall be shut down and all valves in the collection and control system contributing to venting of the landfill gas to the atmosphere shall be closed within one hour. [40 CFR 753(e)] Federally Enforceable Through Title V Permit
15. The collection system shall be operated such that the methane concentration is less than 500 parts per million above background at the surface of the landfill. Compliance with this surface methane operational standard shall be demonstrated using the procedures outlined in 40 CFR 60.755(c) within 180 days of installation and startup of the collection and control system and quarterly thereafter. [40 CFR 60.753(d), 40 CFR 60.755(c), and 40 CFR 60.8] Federally Enforceable Through Title V Permit
16. The owner/operator shall install, calibrate, maintain, and operate a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes. This meter shall also be capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. [40 CFR 60.756(c)(2)]
17. The flare's tip velocity shall be less than 18.3 m/sec (60 ft/sec), as determined by 40 CFR 60.18(f)(4). The net heating value of the landfill gas being combusted shall not be less than 200 Btu/scf, as determined by 40 CFR 60.18(f)(3). The flare's tip velocity and the net heating value of the landfill gas shall be determined within 180 days of installation and startup of the collection and control system and annually thereafter. [40 CFR 60.18(c)(4)(i) and 40 CFR 60.8] Federally Enforceable Through Title V Permit
18. The flare's discharge height shall be at least 30 feet above grade. [District Rules 2201 and 4102]
19. There shall be no visible emissions from the flare except for periods not exceeding a total of five minutes during any consecutive two hours. Visible emissions shall be determined using EPA Method 22 and a two-hour observation period. [40 CFR 60.18(c)(1)] Federally Enforceable Through Title V Permit
20. The flare shall be operated with a flame present at all times while gas is being vented to it. The presence of a flame shall be continuously monitored using a thermocouple, ultraviolet sensor, or any other equivalent device located at the pilot light or the flame itself. The flame's presence shall be recorded at least once every 15 minutes. [40 CFR 60.18(c)(2) and 40 CFR 60.756(c)(1)] Federally Enforceable Through Title V Permit
21. The flare shall be operated at all times when landfill gas is vented to it. [40 CFR 60.18(e)] Federally Enforceable Through Title V Permit
22. The landfill gas collection and control system shall comply with the operational standards of 40 CFR 60.753, the compliance provisions of 40 CFR 60.755, the monitoring provisions of 40 CFR 60.756, the reporting and record keeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758, 60.759, 62.14353 and 62.14354(b)] Federally Enforceable Through Title V Permit
23. Permittee shall comply with the Increments of Progress as defined in Table 3 of 40 CFR 62, Subpart GGG, unless a site specific schedule is approved by EPA, which includes notification of EPA no later than 10 business days after completing each increment of progress. [40 CFR 62.14355(b)] Federally Enforceable Through Title V Permit
24. Permittee shall submit the Final Control Plan (as defined in 40 CFR 62.14351) one year after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 1) [40 CFR 62.14356(a)(1)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. Permittee shall Award Contract(s) (as defined in 40 CFR 62.14351) on or before December 6, 2001, or 20 months after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 2) [40 CFR 62.14356(a)(2)] Federally Enforceable Through Title V Permit
26. Permittee shall Initiate On-Site Construction (as defined in 40 CFR 62.14351) on or before April 6, 2002, or 24 months after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 3) [40 CFR 62.14356(a)(3)] Federally Enforceable Through Title V Permit
27. Permittee shall Complete On-Site Construction (as defined in 40 CFR 62.14351) on or before October 6, 2002, or 30 months after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 4) [40 CFR 62.14356(a)(4)] Federally Enforceable Through Title V Permit
28. Permittee shall Achieve Final Compliance (as defined in 40 CFR 62.14351) on or before October 6, 2002, or 30 months after the first annual emission rate report showing NMOC emissions > 50 megagrams/year, unless a site-specific schedule is approved by EPA. (Increment 5) [40 CFR 62.14356(a)(5)] Federally Enforceable Through Title V Permit
29. Each owner/operator shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. [40 CFR 60.758(a), 62.14355(a) and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# ATTACHMENT C

District Rule 4651 Stringency Analysis

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Comparison of the Non-SIP version (amended September 20, 2007) of District Rule 4651 (Soil Decontamination Operations) with the SIP approved version (amended December 17, 1992)

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
<b>1.0 PURPOSE</b>		
The purpose of this rule is to limit VOC emissions from the excavation and treatment of soil that has been contaminated by organic liquid as a result of leakage from storage or transfer facilities, from accidental spillage, or other deposition.	X	
The purpose of this rule is to limit volatile organic compound (VOC) emissions from soil that has been contaminated with a VOC-containing liquid.		X
<b>2.0 APPLICABILITY</b>		
This rule shall apply to the excavation and treatment of soil that has been contaminated by organic liquid as a result of leakage from storage or transfer facilities, from accidental spillage, or other deposition.	X	
This rule shall apply to operations involved in the excavation, transportation, handling, decontamination, and disposal of contaminated soil.		X
<b>3.0 DEFINITIONS</b>		
3.1 Active Soil Aeration Pile: a pile of contaminated soil with a volume at least one cubic yard which is undergoing limited aeration in accordance with the requirements contained in Section 5.2.	X	
3.1 Aeration: exposure of excavated soil containing volatile organic compounds to the atmosphere.		X
3.3 Approved: requirements accepted by the APCO and EPA that have been determined to be in compliance with Rule 4651 or a permitted facility that satisfy the requirements of Rule 4651.		X
3.2 Contaminated Soil: soil which registers 50 ppm or greater of VOC when measured as hexane at a distance of three (3) inches above the surface with an organic vapor analyzer, or soil containing VOC which has been identified for decontamination by the designated lead agency.	X	

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
3.4 Contaminated Soil: soil which registers fifty (50) ppmv or greater of VOC concentration before suppression materials have been applied when measured as hexane at a distance of three (3) inches above the surface with an organic vapor analyzer, or soil containing VOC which has been identified for decontamination or disposal by the designated lead agency.		X
3.3 Decontamination: the removal of VOC from contaminated soil by an approved process.	X	
3.5 Decontamination: the removal, destruction, remediation, or encapsulation of VOC from contaminated soil according to Section 5.4.		X
3.6 Decontaminated Soil: soil that has undergone the decontamination process. For the purposes of this rule, decontaminated soil is still considered contaminated unless it satisfies the requirements of Section 5.4.6.		X
3.8 Emergency Excavation: an excavation of contaminated soil carried out pursuant to an order of a state or local government agency issued because the contaminated soil poses an imminent threat to public health, safety, or the environment.		X
3.10 Excavation: the process of exposing, digging out, and removing contaminated soil, including but not limited to digging out and removal of soil, sand, asphalt, concrete, or other materials necessary to expose the contaminated soil.		X
3.11 Facility: a portion of real property that is on one or more contiguous or adjacent properties all of which are under common ownership or control. A facility includes, but is not limited to, all buildings, storage areas, installations, structures, VOC control systems, and treatment of contaminated soil on the properties.		X
3.12 Operation: any physical action resulting in a change in the location, form, or physical properties of a material, or any chemical action resulting in a change in the chemical composition or the chemical or physical properties of a material.		X
3.13 Operator: includes but is not limited to any person who owns, leases, supervises, or operates a facility and equipment.		X
3.4 Organic Content: the VOC concentration used to determine the daily rate at which contaminated soil may be added to an active soil aeration pile.	X	
3.5 Organic Vapor Analyzer: a hydrocarbon analyzer which satisfies the specification requirements of EPA Method 21, 40 CFR Part 60.	X	

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
3.14 Organic Vapor Analyzer: a hydrocarbon analyzer, which satisfies the specification requirements of EPA Method 21, 40 CFR Part 60.		X
3.15 Petroleum: crude oil or any fraction thereof that is liquid at Standard Conditions of temperature and pressure (60°F and 14.7 pounds per square inch absolute), including, but is not limited to aviation fuel, gasoline, kerosene, fuel oils, diesel, and other related hydrocarbons.		X
3.16 Storage Pile: For the purposes of this rule, any pile of soil resulting from operations related to the excavation of contaminated soil.		X
3.17 Uncontaminated Soil: soil which registers below fifty (50) ppmv of VOC concentration before suppression materials have been applied when measured as hexane at a distance of three (3) inches above the surface of the excavated soil with an organic vapor analyzer or decontaminated soil which registers below 50 ppmw of VOC content or soil that has been identified as uncontaminated by the designated lead agency.		X
3.18 Vapor Suppressant: At least six (6) inches of uncontaminated soil or any material that is demonstrated to reduce VOC emissions into the atmosphere from contaminated soil by at least 10%.		X
3.19 VOC Control Device: any machine or technology used to reduce VOC emissions from contaminated soil. Such devices include, but are not limited to, thermal oxidizers, carbon canisters, or incineration devices.		X
3.20 Volatile Organic Compound (VOC): as defined in Rule 1020 (Definitions).		X
<b>4.0 EXEMPTIONS</b>		
<p>4.1 The requirements of this rule shall not apply to:</p> <p>4.1.1 Treatment of less than one (1) cubic yard of contaminated soil.</p> <p>4.1.2 Accidental spillage of one barrel (42 gallons) or less of liquids containing VOC.</p> <p>4.1.3 Contaminated soil exposed for the sole purpose of sampling.</p> <p>4.1.4 Soil contaminated solely by VOC containing liquid that has an initial boiling point of 302° F or higher, as determined by ASTM D86-78, provided that the soil is not heated above ambient temperature and samples of the contaminating liquid can be obtained.</p> <p>4.1.5 Soil which is contaminated through natural seepage of liquids from natural sources.</p>	X	

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
4.1.6 The emergency excavation and decontamination of soil performed by, under the jurisdiction of, or pursuant to the requirements of, an authorized health officer, agricultural commissioner, fire protection officer, or other authorized agency officer. Whenever possible, the APCO shall be notified prior to commencing such excavation.		
<p>4.1 The requirements of this rule shall not apply to:</p> <p>4.1.1 Excavation, handling, transportation, and decontamination of less than one (1) cubic yard of contaminated soil per occurrence.</p> <p>4.1.2 Operations related to the accidental spillage of five (5) gallons or less of VOC-containing liquid per occurrence.</p> <p>4.1.3 Contaminated soil exposed for the sole purpose of sampling.</p> <p>4.1.4 Soil contaminated solely by a known VOC-containing liquid or a petroleum liquid that has an initial boiling point of 302°F or higher, as determined by Section 6.5.1, provided that the soil is not heated above ambient temperature and samples of the contaminating liquid can be obtained.</p>		X
4.2 Except for the administrative requirements in Section 6.3.1, the rule requirements shall not apply to operations related to the accidental spillage of more than five (5) gallons but no more than 42 gallons of VOC-containing liquid.		X
<p>4.3 Except for the requirements in Section 4.3.1 to Section 4.3.5, the requirements of this rule shall not apply to the emergency excavation of contaminated soil performed by, at the direction of, under the jurisdiction of, or pursuant to the requirements of, an authorized health officer, agricultural commissioner, fire protection officer, or other authorized state or local government officer.</p> <p>4.3.1 Whenever possible, the APCO shall be notified by fax or by other approved methods prior to commencing such excavation of contaminated soil.</p> <p>4.3.2 No later than 48 hours following the commencement of the excavation, the operator shall notify the APCO in writing, in accordance with Section 6.1. No later than 30 working days after excavation is completed, the operator shall provide the APCO a written verification of completion of the emergency excavation, in accordance with Section 6.2.</p> <p>4.3.3 The operator shall maintain records pursuant to Section 6.3.1.</p> <p>4.3.4 The operator shall cover the excavated contaminated soil with a tarp or other covering within 24 hours of excavation. Within 30 days of excavation, the soil shall be decontaminated, recycled, disposed of in an approved facility, or returned to excavation and permanently covered with at least six (6) inches of uncontaminated soil, unless otherwise directed by an authorized health officer,</p>		X

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
<p>agricultural commissioner, fire protection officer, or other authorized state or local government officer.</p> <p>4.3.5 The operator shall also comply with all applicable requirements of Section 5.3 and Section 5.4.</p>		
<b>5.0 REQUIREMENTS</b>		
<p>5.1 Excavation of Contaminated Soil</p> <p>5.1.1 The owner or operator who is performing an excavation as the result of the removal of an underground storage tank, leakage from a storage or transfer facility, accidental spillage, or other deposition, shall monitor for VOC contaminated soil during the excavation of the material.</p> <p>5.1.2 If VOC contaminated soil is detected, the excavated soil shall be either transported off-site for treatment, recycling, disposal in an approved disposal site, stockpiled or returned to excavation, and covered as required by Section 5.1.3.</p> <p>5.1.3 Contaminated soil which is not being treated shall be covered except when soil is being added or removed. The soil may be covered with a layer of uncontaminated soil no less than six (6) inches deep; or, it may be covered with a tarp or other covering, provided no head space where vapors may accumulate is formed.</p>	X	
<p>5.1 Excavation of Contaminated Soil</p> <p>The operator excavating contaminated soil shall comply with the following:</p> <p>5.1.1 A written notice, according to Section 6.1, shall be submitted to the APCO prior to commencement of excavation of known contaminated soil. Where contaminated soil is discovered during excavation, operators shall provide written notice according to Section 6.1 within 48 hours after detection. No later than 30 working days after excavation is completed, the operator shall provide the APCO a written verification of completion of the excavation, in accordance with Section 6.2.</p> <p>5.1.2 Any excavation of soil resulting from operations related to contaminated soil shall be monitored for VOC contamination during the excavation and at least once every 15 minutes, unless the excavated soil is treated according to Section 5.2.1.</p> <p>5.1.2.1 All readings shall be taken using the applicable test methods in Section 6.5.2.</p> <p>5.1.2.2 All VOC concentration readings shall be recorded according to Section 6.3.4.</p> <p>5.1.3 Excavated soil that has been detected as contaminated soil shall be placed in storage piles and handled as required by Section 5.2, and</p> <p>5.1.4 Excavated contaminated soil shall be decontaminated, recycled, disposed of in an approved</p>		X

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)																				
<p>facility, returned to excavation and permanently covered with at least six (6) inches of uncontaminated soil, or transported to a location outside of the San Joaquin Valley Air Basin within thirty (30) calendar days from the time of excavation or as directed by an authorized health officer, agricultural commissioner, fire protection officer, or other authorized state or local government officer having jurisdiction.</p>																						
<p>5.2 Limited Aeration            5.2.1 Limited aeration shall be subject to the following conditions:            5.2.1.1 is prohibited within 1000 feet of the nearest residence unless a risk assessment performed using the CAPCOA Air Toxics Assessment Manual indicates an excess cancer risk of less than one (1) in a million.            5.2.1.2 the rate at which contaminated soil may be added to an active soil aeration pile shall be limited by the soil's organic content.            5.2.1.3 the maximum rates for the addition of contaminated soil that may be added to soil which is already aerating is listed in Table 1.</p> <p>Table 1</p> <table border="1" data-bbox="261 1051 905 1438"> <thead> <tr> <th>Organic Content (ppm by weight)</th> <th>Allowable Rate of Limited Aeration (Cubic yards/day)</th> </tr> </thead> <tbody> <tr> <td>0 - 50</td> <td>Exempt</td> </tr> <tr> <td>51 - 100</td> <td>600</td> </tr> <tr> <td>101 - 500</td> <td>120</td> </tr> <tr> <td>501 - 1000</td> <td>60</td> </tr> <tr> <td>100 - 2000</td> <td>30</td> </tr> <tr> <td>2001 - 3000</td> <td>15</td> </tr> <tr> <td>3001 - 4000</td> <td>10</td> </tr> <tr> <td>4001 - 5000</td> <td>8</td> </tr> <tr> <td>5001 or greater</td> <td></td> </tr> </tbody> </table> <p>5.2.1.4 The APCO shall be notified in writing for all limited aeration projects. Notification shall include:            5.2.1.4.1 the applicant's business name,            5.2.1.4.2 address,            5.2.1.4.3 quantity of soil            5.2.1.4.4 daily aeration rate,            5.2.1.4.5 location of stockpile and aeration area including distances from nearest residence; and            5.2.1.4.6 expected life of the project.</p>	Organic Content (ppm by weight)	Allowable Rate of Limited Aeration (Cubic yards/day)	0 - 50	Exempt	51 - 100	600	101 - 500	120	501 - 1000	60	100 - 2000	30	2001 - 3000	15	3001 - 4000	10	4001 - 5000	8	5001 or greater		X	
Organic Content (ppm by weight)	Allowable Rate of Limited Aeration (Cubic yards/day)																					
0 - 50	Exempt																					
51 - 100	600																					
101 - 500	120																					
501 - 1000	60																					
100 - 2000	30																					
2001 - 3000	15																					
3001 - 4000	10																					
4001 - 5000	8																					
5001 or greater																						
<p>5.3 Decontamination Systems            5.3.1 Treating contaminated soil, except as allowed in Section 5.2 (Limited Aeration), shall be done by implementing one of the following decontamination systems:            5.3.1.1 installation and operation of a VOC collection and</p>	X																					

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
<p>control system for the in-situ treatment of the contaminated soil; or</p> <p>5.3.1.2 installation and operation of a VOC collection and control system for the on-site treatment of the contaminated soil.</p> <p>5.3.2 An Authority to Construct shall be obtained prior to the installation of equipment required for a decontamination system.</p>		
<p>5.2 Handling of Contaminated Soil</p> <p>The operator handling contaminated soil shall comply with the following:</p> <p>5.2.1 For VOC concentration of the excavated contaminated soil measuring at 1,000 ppm or greater, the contaminated soil shall be sprayed with water or vapor suppressant and be subject to the following requirements in addition to all applicable requirements of the rule:</p> <p>5.2.1.1 Place the contaminated soil in sealed containers as soon as possible, but no more than 30 minutes after excavation, and handle pursuant to Section 5.1.4, or</p> <p>5.2.1.2 Load the contaminated soil into trucks as soon as possible but no more than 30 minutes after excavation, moisten with additional water, cover as required in Section 5.3, and transport immediately to an approved facility, or</p> <p>5.2.1.3 Implement other approved alternative storage methods and handle pursuant to Section 5.1.4.</p> <p>5.2.2 Storage piles of contaminated soil shall be clearly isolated and identifiable from storage piles of uncontaminated soil according to Section 6.3.2,</p> <p>5.2.3 Storage piles of contaminated soil that have been inactive for more than 60 consecutive minutes shall be subject to one of the following:</p> <p>5.2.3.1 Treat with water or a vapor suppressant and cover with heavy-duty plastic sheeting to reduce VOC emissions. The covering shall have at least a six-foot overlap of adjacent sheets, be securely anchored, and have minimal headspace where vapors may accumulate, or</p> <p>5.2.3.2 Cover with a layer of uncontaminated soil no less than six (6) inches deep.</p> <p>5.2.4 A visual inspection of all storage piles of contaminated soil shall be conducted at least once every 24 hours, except when operators do not report to the facility for a given 24-hour period, to ensure the integrity of the covered surfaces and compliance with Section 5.2.5. Record of the visual inspections shall be maintained pursuant to Section 6.3.3.</p> <p>5.2.5 Aeration of contaminated soil shall not be allowed except that which occurs during removal or addition of contaminated soil to a storage pile. This prohibition includes the use of contaminated soil in daily, intermediate, or final cover operations at disposal sites.</p>		X

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
<p><b>5.3 Transportation of Contaminated Soil</b>  The operator transporting contaminated soil, whether by truck or other means of transportation, shall comply with all of the following prior to leaving the facility:</p> <p>5.3.1 Any truck or trailer transporting contaminated soil shall be filled such that contaminated soil does not extend above the sides or rear of the truck,</p> <p>5.3.2 Contaminated soil shall be treated with water or a vapor suppressant and covered with an continuous heavy duty plastic sheeting or other covering to prevent spillage of contaminated soil during transport, and</p> <p>5.3.3 Chain-of-custody records shall be maintained according to Section 6.3.1 by the operators to document transfer of the transported contaminated soil.</p>		X
<b>6.0 ADMINISTRATIVE REQUIREMENTS</b>		
<p><b>6.1 Test Methods</b></p> <p>6.1.1 The initial boiling point of a liquid shall be measured in accordance with ASTM D86-78.</p> <p>6.1.2 The VOC concentration of contaminated soils shall be measured using an organic vapor analyzer which satisfies this specification requirements of EPA Method 21, 40 CFR Part 60.</p> <p>6.1.3 The organic content of soil shall be determined by EPA Reference Method 8240, 8015 or the gas chromatographic method in the Leaking Underground Fuel Tank (LUFT) Manual (October, 1989) as approved by the California Department of Health Services.</p>	X	
<p><b>6.2 Soil Sampling Procedure</b></p> <p>One composite sample shall be collected and analyzed for every 50 cubic yards of excavated contaminated soil to be aerated. At least one (1) composite sample shall be collected from each inactive, uncovered storage pile within 24 hours of excavation. Samples are not required if the soil is uncontaminated.</p> <p>6.2.1 A composite sample shall consist of one sample taken from the center of each of four (4) equal sectors of the area required to be sampled using the procedures described below unless other methods are approved by the APCO.</p> <p>6.2.2 Samples shall be taken from at least three (3) inches below the surface of the pile using a driven-tube type sampler, capped and sealed with inert materials, and extruded in the lab in order to reduce the loss of volatile materials; or by using a clean brass or stainless steel tube (at least three (3) inches long) driven into the soil with a suitable instrument. The ends of the brass tube shall then be covered with aluminum foil, then plastic end caps, and finally wrapped with a suitable tape. The samples shall then be immediately placed on ice, or dry ice, for transport to a</p>	X	

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
laboratory. 6.2.3 Chain-of-custody records shall be kept to document possession of a sample from the time it is taken in the field until it is analyzed.		
6.3 Offsets <i>If a decontamination/treatment system is required solely to comply with the requirements of this rule, such system shall not be subject to Rule 2201 (New and Modified Stationary Source Review), , provided the system includes Best Available Control Technology and the emissions do not exceed two (2) tons per year of any affected pollutant.</i>	X	
6.1 Written Notice of Excavation Activity The operator shall include the following information in the notice of excavation activities required by Sections 4.3 and 5.1: 6.1.1 Names and addresses of operator(s) performing and responsible for excavation, 6.1.2 Location of site where excavation will occur, 6.1.3 Scheduled starting date of excavation. If the excavation does not commence on the start date, renotification is required, 6.1.4 Estimated volume of soil to be excavated, 6.1.5 Estimated volume (in gallons) of VOC liquid spilled in the soil, if known, and  <i>6.1.6 Where emergency excavation is conducted at the direction of an authorized officer, pursuant to Section 4.3: name, title and contact information of the authorized officer, and a copy of the signed emergency declaration from the authorized officer.</i>		X
6.2 Written Verification of Completion of Excavation Activity The operator shall include the following information in the written verification as required by Section 4.3 and Section 5.1. 6.2.1 Names and addresses of operator(s) performing and responsible for excavation, 6.2.2 Address of site where excavation occurred, 6.2.3 Date(s) of excavation, 6.2.4 Estimated volume of contaminated soil excavated, and 6.2.5 Estimated average VOC content of the contaminated soil or estimated volume of VOC contaminant, and 6.2.6 Final disposition of the contaminated soil.		X
6.3 Recordkeeping Records shall be retained for at least five (5) years, shall be readily available, and shall be made available to the APCO upon request. 6.3.1 Recordkeeping Requirements for Chain-of-Custody:		X

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
<p>Operators shall maintain records at the time custody is transferred. Records shall include but are not limited to the following:</p> <p>6.3.1.1 The identities and business addresses of the relevant parties such as the generator, transporter, and storage/treatment facilities,</p> <p>6.3.1.2 The volume of contaminated soil generated or received,</p> <p>6.3.1.3 All analytical data associated with the contaminated soil (this section does not apply to Section 4.3),</p> <p>6.3.1.4 The date and location of excavation of the contaminated soil, and</p> <p>6.3.1.5 The date and signatures of the operators at the time custody is transferred.</p> <p>6.3.2 Recordkeeping Requirements for Excavated Storage Piles</p> <p>Each storage pile shall be identified according to, but not limited to, the following information:</p> <p>6.3.2.1 Location of storage pile.</p> <p>6.3.2.2 Unique identification of storage pile.</p> <p>6.3.2.3 Date that soil storage pile was excavated.</p> <p>6.3.3 Recordkeeping Requirements for Visual Inspection</p> <p>Operators shall maintain visual inspection records at least once every 24 hours except when operators do not report to the facility for that given 24 hours. The records shall include, but are not limited to the following information:</p> <p>6.3.3.1 Location and unique identification of each specific storage pile.</p> <p>6.3.3.2 Name, date, and signature of operator inspecting the storage piles.</p> <p>6.3.4 Recordkeeping Requirements for VOC concentration readings pursuant to Section 5.1 and Section 5.4.</p> <p>6.3.4.1 The identities and business addresses of the relevant parties such as the generator or storage/treatment facilities,</p> <p>6.3.4.2 The volume of contaminated or decontaminated soil,</p> <p>6.3.4.3 Date of contaminated or decontaminated soil,</p> <p>6.3.4.4 VOC concentration reading, and</p> <p>6.3.4.5 The origin of the contaminated or decontaminated soil.</p> <p>6.3.5 Calibrations for all approved monitoring instruments shall be recorded and kept available onsite.</p>		
<p>6.4 Testing Requirements</p> <p>6.4.1 The operator of a VOC control device used to decontaminate excavated soil shall demonstrate compliance with the requirements of Section 5.4.1 before operation of such system.</p> <p>6.4.2 Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel.</p>		X

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
<p>6.4.3 The operator of the facility shall maintain a copy of the source test protocol. A copy of the source test results must be maintained for at least five years and be readily available to the APCO upon written or oral request.</p>		
<p>6.5 Test Methods  Test methods referenced shall be the latest approved method. The following methods shall be used:  6.5.1 The initial boiling point of a liquid from samples of contaminated soil shall be measured in accordance with one of the following applicable methods:  6.5.1.1 ASTM D86 for soil contaminated with petroleum liquid or  6.5.1.2 ASTM D-1078-93 for soil contaminated with known organic chemical.  6.5.2 The VOC concentration of soils shall be measured as hexane using an organic vapor analyzer, complying with EPA Reference Method 21.  6.5.3 The VOC content of soil that can be reasonably demonstrated to be contaminated only with petroleum shall be determined by using EPA Reference Method 8015 or EPA Test Method 25D.  6.5.4 The VOC content of soil that is contaminated by unknown VOC-containing liquids, or that cannot be reasonably demonstrated to be contaminated only with petroleum, shall be determined by using EPA Reference Method 8015 or EPA Test Method 25D. In addition to one of the aforementioned methods, the operator shall use EPA Reference Method 8260B or the gas chromatographic method in the Leaking Underground Fuel Tank (LUFT) Manual (October 1989).  6.5.5 An operator may use an equivalent alternative test method to those listed in Sections 6.5.1 through 6.5.4 for which APCO and EPA approval has been obtained.  6.5.6 When more than one test method or set of test methods is specified for any testing, a violation of any requirement of this rule established by any one of the specified test methods or set of test methods shall constitute a violation of this rule.</p>		X
<p>6.6 Soil Sampling Procedure for Decontaminated Soil  6.6.1 One composite sample shall be collected and analyzed for VOC for every 50 cubic yards of excavated soil that has been determined to be uncontaminated by the test method in Section 6.5.2. At least one (1) composite sample shall be collected from each storage pile within 12 hours of soil decontamination.  6.6.2 A composite sample shall consist of one sample taken from the center of each of four (4) equal sectors using the procedures described in Section 6.6.3 or other approved methods.  6.6.3 Samples shall be taken from at least twelve (12)</p>		X

District Rule 4651 Requirements	SIP Rule (Amended 12/17/92)	Non-SIP Rule (Amended 9/20/07)
<p>inches below the surface of the pile using a driven-tube type sampler, capped and sealed with inert materials, and extruded in the lab in order to reduce the loss of volatile materials; or by using a clean brass or stainless steel tube (at least twelve (12) inches long) driven into the soil with a suitable instrument. The ends of the brass tube shall then be covered with aluminum foil, then plastic end caps, and finally wrapped with a suitable tape. The samples shall then be immediately placed on ice, or dry ice, for transport to a laboratory.</p> <p>6.6.4 Chain-of-custody records shall be kept by the operators to document possession of a sample from the time it is taken in the field until it is analyzed.</p>		
<b>7.0 COMPLIANCE SCHEDULE</b>		
<p>The requirements of this rule become effective September 19, 1991 except for the following:</p> <p>7.1 Any soil excavation or decontamination project which received District approval prior to September 19, 1991 may continue their operation until the soil is no longer contaminated or until July 1, 1992, whichever comes first.</p> <p>7.2 Any decontamination system whose initial installation occurs on or after September 19, 1991 shall be in full compliance with the provisions of the rule upon initial operation.</p>	X	
<p>7.0. Compliance Schedule</p> <p>7.1 All contaminated soil excavation, handling, transporting, and decontamination projects shall be in compliance with the rule on and after March 20, 2008.</p> <p>7.2 Any VOC control device whose initial installation occurs on or after September 20, 2007 shall be in full compliance with the requirements of the rule upon initial operation.</p> <p>7.3 Any VOC control device installed prior to September 20, 2007 shall be in full compliance with the requirements of the rule no later than March 20, 2008.</p>		X

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# ATTACHMENT D

Detailed Facility List

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### Detailed Facility Report

For Facility=4070

Sorted by Facility Name and Permit Number

<b>FOOTHILL SANITARY LANDFILL</b> 6484 N WAVERLY RD LINDEN, CA	FAC # STATUS: TELEPHONE:	<b>N 4070</b> <b>A</b> <b>(209) 468-3066</b>	TYPE: TOXIC ID:	TitleV	EXPIRE ON: AREA: INSP. DATE:	07/31/2006 1/ 06/11
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-4070-1-3	800 acres	3020-12 U	800	99.00	16,312.00	A	83.5 MILLION CUBIC METER CAPACITY (800 ACRES) MUNICIPAL SOLID WASTE LANDFILL SERVED BY A LANDFILL GAS COLLECTION SYSTEM AND A 60.7 MMBTU/HR OPEN FLARE

Number of Facilities Reported: 1