

DEC 05 2016

Ms. Jami Aggers  
Geer Road Landfill  
3800 Cornucopia Way  
Modesto, CA 95358

**Re: Notice of Preliminary Decision – Title V Permit Renewal  
District Facility # N-3104  
Project # N-1152923**

Dear Ms. Aggers:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Geer Road Landfill at 750 Geer Rd in Modesto, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the renewed Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

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

Sincerely,



Arnaud Marjollet  
Director of Permit Services

Enclosures

cc: Tung Le, CARB (w/enclosure) via email  
cc: Gerardo C. Rios, EPA (w/enclosure) via email

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

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

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**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
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# SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

## Proposed Title V Permit Renewal Evaluation Geer Road Landfill N-3104

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# TITLE V PERMIT RENEWAL EVALUATION

## Landfill

**Engineer:** Thom Maslowski  
**Date:** November 28, 2016

**Facility Number:** N-3104  
**Facility Name:** Geer Road Landfill  
**Mailing Address:** 3800 Cornucopia Way, Ste C

**Contact Name:** Lee Daigle  
**Phone:** (209) 525-6700

**Responsible Official:** Jami Aggers  
**Title:** Director

**Project # :** N-1152923  
**Deemed Complete:** September 11, 2015

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### I. PROPOSAL

Geer Road Landfill was issued a renewed Title V permit on August 2, 2011. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules 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

Geer Road Landfill is located at 750 Geer Rd in Modesto, CA.

### III. EQUIPMENT LISTING

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

### 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 or Evaluated

- District Rule 2020, Exemptions (amended December 20, 2007 (SIP-approved) ⇒ amended August 18, 2011 and December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended April 21, 2011 (SIP-approved) ⇒ amended February 18, 2016)
- District Rule 2410, Prevention of Significant Deterioration (amended June 16, 2011)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001)
- 40 CFR Part 64, Compliance Assurance Monitoring (adopted October 22, 1997)
- 40 CFR Part 82, Subpart B Stratospheric Ozone (amended June 25, 2013)
- 40 CFR Part 82, Subpart F Stratospheric Ozone (amended April 10, 2015)

#### B. Rules Removed

No federally enforceable rules were removed.

**C. Rules Added**

No federally enforceable rules were added.

**D. Rules Not Updated**

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 17, 1992)
- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4601, Architectural Coatings (amended December 17, 2009)
- District Rule 4642, Solid Waste Disposal Sites (amended April 16, 1998)
- District Rule 4801, Sulfur Compounds (amended December 1, 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 August 19, 2004)
- 40 CFR Part 60, Subpart Cc, Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (amended February 24, 1999)
- 40 CFR Part 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills (amended September 21, 2006)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended September 18, 2003)
- 40 CFR Part 62, Subpart GGG, Federal Plan Requirements for Municipal Solid Waste Landfills (adopted November 8, 1999)
- 40 CFR Part 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants; Municipal Solid Waste Landfills (amended April 20, 2006)

## 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 Permits. 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 rules that are not federally enforceable were removed.

### B. Rules Removed

No rules that are not federally enforceable were removed.

### **C. Rules Not Updated**

- District Rule 2040, Applications (amended December 17, 1992 ⇒ removed from SIP December 16, 2004)
- District Rule 4102, Nuisance (amended December 17, 1992)
- Title 17 California Code of Regulations (CCR), Sections 95460 through 95476, Methane Emissions from Municipal Solid Waste Landfills (California Air Resources Board(ARB) regulation)

## **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 most recent renewal of the Title V permit on August 2, 2011.

### **A. District Rule 2020 - Exemptions**

District Rule 2020 lists source categories that may be exempt from obtaining permits, and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do 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 facility's Title V permit was last renewed. However the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into current Title V permit.

### **C. District Rule 2410 - Prevention of Significant Deterioration**

District Rule 2410 has been adopted since the facility's last Title V renewal. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any PSD permit actions have already been incorporated into current Title V permit.

### **D. 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 Part 98) is not included in the definition of an applicable requirement within Title V (per 40CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

**E. 40 CFR Part 64 – Compliance Assurance Monitoring (CAM)**

40 CFR Part 64 requires Compliance Assurance Monitoring (CAM) for units at a major source that are required to obtain a part 70 or 71 permit that meet all of the following three criteria:

- The unit must have an emission limit for the pollutant;
- The unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
- The unit must have a pre-control potential to emit of greater than the major source thresholds.

*N-3104-2-12: Solid Waste Landfill*

Section 64.2(h)(1) states that the requirements of this part shall not apply to any emission limitations or standards proposed after November 15, 1990. Emission limitation or standard means any applicable requirement that constitutes an emission limitation, emission standard, standard of performance or means of emission limitation as defined under the Act.

The facility is subject to 40 CFR 60 subpart Cc and 40 CFR 62 subpart GGG, which were proposed after November 15, 1990, therefore, this permit unit is exempt from CAM.

**F. 40 CFR Part 82, Subpart B – Stratospheric Ozone**

The purpose of 40 CFR Part 82 Subpart B is to implement section 609 of the Clean Air Act, as amended regarding the servicing of motor vehicle air conditioners (MVACs), and to implement section 608 of the Clean Air Act regarding certain servicing, maintenance, repair and disposal of air conditioners in MVACs and MVAC-like appliances.

These regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

The amendments to this rule do not have any effect on current permit requirements and will therefore not be addressed further in this evaluation.



*N-3104-0-3: Facility-Wide Requirements*

- Condition 30 of the requirements of the draft renewed facility-wide permit is a mechanism to ensure compliance with this rule.

**G. 40 CFR Part 82, Subpart F – Stratospheric Ozone**

The purpose of 40 CFR Part 82 Subpart F is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the service, maintenance, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I and class II ODS in accordance with Title VI of the Clean Air Act.

These regulations apply to any person servicing, maintaining, or repairing appliances. This subpart also applies to persons disposing of appliances, including small appliances and motor vehicle air conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

The amendments to this rule do not have any effect on current permit requirements and will therefore not be addressed further in this evaluation.

*N-3104-0-3: Facility-Wide Requirements*

- Condition 29 of the requirements of the draft renewed facility-wide permit is a mechanism to ensure compliance with this rule.

**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.

**A. Requirements Addressed by Model General Permit Templates**

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

**B. Requirements not Addressed by Model General Permit Templates**

The facility is not requesting any permit shields.

**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. 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-3104-0-3

EXPIRATION DATE: 02/29/2016

## 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; County Rule 110 ( Stanislaus )] 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; County Rule 110 ( Stanislaus )] 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] 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 (12/20/07). [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, 2080; and 2520] 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) 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] 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] 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: GEER ROAD LANDFILL  
Location: 750 GEER RD, MODESTO, CA 95351  
N-3104-0-3, Oct 21 2016 9:27AM - MASLOWST

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] 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 (6/21/01). [District Rules 2520 and 1100] 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] 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] 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] 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] 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] 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] 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] 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] 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] 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] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere 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 (02/17/05). 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, and County Rules 401 (in all eight counties in the San Joaquin Valley)] 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 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] 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 (12/17/09) ), nor manufacture, blend or package such coating for use within the District, which contains VOC's (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 (12/17/09), unless exempted under section 4.0 of District Rule 4601 (Amended 12/17/09). [District Rule 4601] Federally Enforceable Through Title V Permit
25. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601] 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 12/17/09). [District Rule 4601] 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 6.3 (12/17/09). [District Rule 4601] 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] 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 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 Rules 8021 and 8011] Federally Enforceable Through Title V Permit
32. 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 Rules 8031 and 8011] Federally Enforceable Through Title V Permit
33. 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 Rules 8041 and 8011] Federally Enforceable Through Title V Permit
34. 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 Rules 8051 and 8011] Federally Enforceable Through Title V Permit
35. 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 Rules 8061 and 8011] 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. 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 Rules 8071 and 8011] Federally Enforceable Through Title V Permit
37. 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
38. 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] Federally Enforceable Through Title V Permit
39. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520] Federally Enforceable Through Title V Permit
40. 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 permits shall apply. [District Rule 2520] Federally Enforceable Through Title V Permit
41. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Stanislaus), Rule 110 (Stanislaus), and Rule 202 (Stanislaus). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
43. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
44. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin June 1 of every year, 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] Federally Enforceable Through Title V Permit

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

DRAFT

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-3104-2-12

EXPIRATION DATE: 02/29/2016

SECTION: SE34 TOWNSHIP: 3S RANGE: 10E

## EQUIPMENT DESCRIPTION:

MUNICIPAL SOLID WASTE LANDFILL, 3.8 MILLION CUBIC METER CAPACITY (144 ACRES), WITH GAS COLLECTION SYSTEM, A CONDENSATE INJECTION SYSTEM, AND ONE (1) 24 MMBTU/HR JOHN ZINK MODEL ZTOF 6X45 LANDFILL GAS FIRED FLARE

## PERMIT UNIT REQUIREMENTS

1. This facility is subject to the requirements of 40 CFR Part 62 Subpart GGG. The landfill has been closed since July 1, 1990. The landfill's NMOC emission rate never exceeded 50 megagrams per year. Therefore, this site is not required to estimate the NMOC emissions rate. [40 CFR Part 62.14353, 40 CFR 60.752(b)(1)(ii)] Federally Enforceable Through Title V Permit
2. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period. The operator shall test the sulfur content of the gases being flared and demonstrate the sulfur content does not exceed 3.3% by weight. [District Rules 2520 and 4801] Federally Enforceable Through Title V Permit
3. To show compliance with sulfur emission limits, the gas being flared shall be tested quarterly for sulfur content (using Draeger tubes) and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 4 consecutive quarters for the flared gas, then the compliance testing frequency shall be annually. If an annual sulfur content test fails to show compliance, quarterly testing shall resume. [District Rule 2520] Federally Enforceable Through Title V Permit
4. The sulfur content of the gas being flared shall be determined using ASTM D 1072, D 3031, D 4084, D 3246 or grab sample analysis by GC-FPD/TCD performed in the laboratory, or other alternative sampling method approved by the District. [District Rule 2520] Federally Enforceable Through Title V Permit
5. The fuel higher heating value for the gases being flared shall be determined by ASTM D 1826 or D 1945 in conjunction with ASTM D 3588. [District Rule 2520] Federally Enforceable Through Title V Permit
6. The pilot flame shall only be ignited and operated to startup the enclosed landfill gas flare. The presence of the pilot flame shall be monitored using a thermocouple or any other equivalent device that would detect the presence of the pilot flame. [District Rule 2520] Federally Enforceable Through Title V Permit
7. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520] Federally Enforceable Through Title V Permit
8. The facility shall maintain in proper operating condition a gas flow meter with a continuous recording device which measures the amount of landfill gas consumed per day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The owner or operator shall maintain and operate the landfill gas flare in accordance with the manufacturer's specifications and in accordance with Section 5.2.4 of District Rule 4642 (4/16/98). A copy of manufacturer's specification shall be maintained on site. [District Rules 2520 and 4642] 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.



10. The landfill gas (LFG) consumption rate shall not exceed 510.5 MMBtu per day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emissions from the LFG collection system served by the flare shall not exceed any of the following limits: 0.05 lb-NO<sub>x</sub>/MMBtu, 0.04 lb-SO<sub>x</sub>/MMBtu, 0.1 lb-PM<sub>10</sub>/MMBtu, 0.2 lb-CO/MMBtu, and 0.01 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The fugitive VOC emissions from the landfill shall not exceed 0.2 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Landfill collection and control system must be operated such that landfill surface methane emissions shall not exceed instantaneous surface emission limit of 500 ppmv as methane or integrated surface emission limit of 25 ppmv as methane. Successful compliance with this condition will also satisfy compliance with the fugitive VOC emissions limit in the permit. [17 CCR 95464, 17 CCR 95465, and District Rules 2201 and 4642] Federally Enforceable Through Title V Permit
14. Instantaneous and integrated landfill surface emissions measurements shall be done quarterly. The landfill may monitor annually provided they comply with requirements of 17 CCR 95469 (a)(1). [17 CCR 95469 and District Rule 4642] Federally Enforceable Through Title V Permit
15. The landfill gas condensate injection rate shall not exceed 600 gallons per day. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. The destruction efficiency for VOC shall be at least 98% (by weight), or VOC concentration shall not exceed 20 ppmv @ 3% O<sub>2</sub> (as methane) at the flare stack. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
17. The destruction efficiency for VOC shall be evaluated in accordance with the procedure in section 6.1.4 of Rule 4642 (4/16/98). [District Rules 2201 and 4642] Federally Enforceable Through Title V Permit
18. The flare shall be equipped with automatic dampers, an automatic shutdown device, and a flame arrester. [District Rule 2201, 17 CCR 95464] Federally Enforceable Through Title V Permit
19. The flare shall be operated at or above the minimum temperature determined during a previous source test during which successful compliance have been demonstrated with the limits in this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The flare shall be equipped with a temperature indicator and recorder which measures and records the operating temperature. The temperature indicator and recorder must operate continuously. [District Rule 2201, 17 CCR 95464] Federally Enforceable Through Title V Permit
21. Methane destruction efficiency shall be at least 99% by weight. [17 CCR 95464]
22. The owner or operator shall keep records of the date, quantity of landfill gas condensate injected, and number of operating hours per day. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The owner or operator shall keep records of the date, volume of landfill gas consumed (scf/day), and the total heat input (MMBtu/day). [District Rules 2201, 2520 and 4642] Federally Enforceable Through Title V Permit
24. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
25. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081 and 4642] Federally Enforceable Through Title V Permit
26. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 4642] Federally Enforceable Through Title V Permit
27. Source testing to determine NO<sub>x</sub> and CO emissions, as well as the VOC destruction efficiency, shall be conducted annually. [District Rules 2201 and 2520] 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.

28. Source testing for NO<sub>x</sub> and CO shall be conducted utilizing EPA Method 7E and EPA Method 10 respectively, or CARB Method 100. [District Rule 2520] Federally Enforceable Through Title V Permit
29. Source testing for VOC control efficiency and VOC concentration shall be conducted utilizing EPA Method 25A or 25C. [District Rules 2520 and 4642] Federally Enforceable Through Title V Permit
30. The heating value of the process gas shall be determined at the time of source tests. Test methods ASTM D1826 or ASTM D3588 shall be used. [District Rules 2520 and 4642] Federally Enforceable Through Title V Permit
31. Stack velocity/volumetric flow shall be determined using CARB Method 2. [District Rule 4642] Federally Enforceable Through Title V Permit
32. The gas collection system shall be operated in a manner which maximizes the amount of landfill gas extracted while preventing overdraw that can cause fires or damage the gas collection system. [District Rule 4642] Federally Enforceable Through Title V Permit
33. The owner or operator shall notify the District Compliance Division by telephone, (209) 557-6400, or electronically (via e-mail or fax, etc.) at least 24 hours before performing any maintenance that requires the system to be shutdown. The notification shall include a description of the maintenance, the date maintenance will be performed and the amount of time needed to complete the maintenance. [District Rule 4642] Federally Enforceable Through Title V Permit
34. During maintenance of the gas collection system or the flare, emissions of landfill gas into atmosphere shall be minimized during shutdown. The gas collection system and the flare shall not be shutdown for more than 144 cumulative hours in any calendar year. [District Rule 4642] Federally Enforceable Through Title V Permit
35. The owner or operator shall keep records of the following items: a.) surface emission tests including: the time; weather conditions, including precipitation records; areas sampled; calibration records; and test results, b.) source test reports, c.) flare combustion temperature including the dates and times of temperature readings, net heating value (MMBtu/scf) of landfill gas being combusted, volumetric gas flow rate and flare exit velocity, and d.) maintenance-related or other collection system and control device downtime, including individual well shutdown. [District Rule 4642] Federally Enforceable Through Title V Permit
36. If any two or more surface emission tests exceed the 1,000 ppmv standard in Rule 4642 (4/16/98), the operator shall submit an emission control plan and a complete application for Authority to Construct, if necessary, within 12 months from the date of the second test failure, and must be in full compliance with the rule within 12 months after the Authority to Construct is issued, or after approval of the emission control plan, and conduct surface emission testing as prescribed in Section 6.3.1 of Rule 4642 (4/16/98). [District Rule 4642] Federally Enforceable Through Title V Permit
37. Landfill gas collection system wellheads must be operated under vacuum. Monthly monitoring of wellheads is required. [17 CCR 95464]
38. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. If compliance with the methane limit has been demonstrated for 4 consecutive quarters, then the component checking frequency shall be annually. If an annual test fails to show compliance, quarterly testing shall resume. [17 CCR 95464]
39. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
40. Permittee shall keep records of all gas collection system downtime exceeding five days, including individual well shutdown and disconnection times and the reason for downtime. [17 CCR 95470]
41. Permittee shall keep records of all gas control system downtime in excess of one hour, the reason for the downtime and the length of time the gas control system was shutdown. [17 CCR 95470]
42. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

43. Permittee shall keep records of all instantaneous surface readings of 200 ppmv or greater; all exceedances of the limits in sections 95464(b)(1)(B) or 95465, including the location of the leak (or affected grid), leak concentration in ppmv, date and time of measurement, the action taken to repair the leak, date of repair, any required re-monitoring and the re-monitored concentration in ppmv, and wind speed during surface sampling; and the installation date and location of each well installed as part of a gas collection system expansion. [17 CCR 95470]
44. Permittee shall keep records of any positive wellhead gauge pressure measurements, the date of the measurements, the well identification number, and the corrective action taken. [17 CCR 95470]
45. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470]
46. Permittee shall keep records of the nature, location, amount, and date of deposition of non-degradable waste for any landfill areas excluded from the collection system. [17 CCR 95470]
47. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]
48. Permittee shall keep records describing the mitigation measures taken to prevent the release of methane or other emissions into the atmosphere during the following activities: 1. When solid waste was brought to the surface during the installation or preparation of wells, piping, or other equipment; 2. During repairs or the temporary shutdown of gas collection system components; or, 3. When solid waste was excavated and moved. [17 CCR 95470]
49. Permittee shall keep records of any construction activities pursuant to section 95466. The records must contain the following information: 1. A description of the actions being taken, the areas of the MSW landfill that will be affected by these actions, the reason the actions are required, and any landfill gas collection system components that will be affected by these actions. 2. Construction start and finish dates, projected equipment installation dates, and projected shut down times for individual gas collection system components. 3. A description of the mitigation measures taken to minimize methane emissions and other potential air quality impacts. [17 CCR 95470]
50. Permittee shall keep records of the equipment operating parameters specified to be monitored under section 95469(b)(1) as well as records for periods of operation during which the parameter boundaries established during the most recent source test are exceeded. The records must include the following information: 1. For enclosed flares, all 3-hour periods of operation during which the average temperature difference was more than 28 degrees Celsius (or 50 degrees Fahrenheit) below the average combustion temperature during the most recent source test at which compliance with sections 95464(b)(2) was determined and a gas flow rate device which must record the flow to the control device at least every 15 minutes. [17 CCR 95470]
51. Permittee shall submit the following reports as required in section 95470(b): Closure notification, Equipment removal report and Annual report. All reports must be accompanied by a certification of truth, accuracy, and completeness signed by a responsible official. [17 CCR 95470]
52. Permittee may comply with the CARB regulation for landfill methane control measures by using approved alternative compliance options. The permittee shall obtain written District approval for the use of any alternative compliance options not specifically approved by this permit. Changes to the approved alternate compliance options must be made and approved in writing. Documentation of approved alternative compliance options shall be available for inspection upon request. [17 CCR 95468]
53. The owner or 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] Federally Enforceable Through Title V Permit
54. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520] 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-3104-0-2

EXPIRATION DATE: 02/29/2016

## 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; County Rule 110 ( Stanislaus )] 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; County Rule 110 ( Stanislaus )] 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 (12/20/07). [District Rule 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, 9.9.1 and 9.13.1] 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) 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: GEER ROAD LANDFILL  
Location: 750 GEER RD, MODESTO, CA 95351  
N-3104-0-2 Oct 21 2016 9 25AM - MASLOWST

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 (6/21/01). [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 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 (02/17/05). 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, and County Rules 401 (in all eight counties in the San Joaquin Valley)] 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 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. 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 (12/17/09) ), nor manufacture, blend or package such coating for use within the District, which contains VOC's (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 (12/17/09), unless exempted under section 4.0 of District Rule 4601 (Amended 12/17/09). [District Rule 4601, 5.2] Federally Enforceable Through Title V Permit
25. 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
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 12/17/09). [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 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] 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 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 Rules 8021 and 8011] Federally Enforceable Through Title V Permit
32. 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 Rules 8031 and 8011] Federally Enforceable Through Title V Permit
33. 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 Rules 8041 and 8011] Federally Enforceable Through Title V Permit
34. 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 Rules 8051 and 8011] Federally Enforceable Through Title V Permit
35. 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 Rules 8061 and 8011] 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. 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 Rules 8071 and 8011] Federally Enforceable Through Title V Permit
37. 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
38. 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
39. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
40. 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 permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
41. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Stanislaus), Rule 110 (Stanislaus), and Rule 202 (Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
43. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
44. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin June 1 of every year, 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] 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-3104-2-11

**EXPIRATION DATE:** 02/29/2016

**SECTION:** SE34 **TOWNSHIP:** 3S **RANGE:** 10E

**EQUIPMENT DESCRIPTION:**

MUNICIPAL SOLID WASTE LANDFILL, 3.8 MILLION CUBIC METER CAPACITY (144 ACRES), WITH GAS COLLECTION SYSTEM, A CONDENSATE INJECTION SYSTEM, AND ONE (1) 24 MMBTU/HR JOHN ZINK MODEL ZTOF 6X45 LANDFILL GAS FIRED FLARE

## PERMIT UNIT REQUIREMENTS

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1. This facility is subject to the requirements of 40 CFR Part 62 Subpart GGG. The landfill has been closed since July 1, 1990. The landfill's NMOC emission rate never exceeded 50 megagrams per year. Therefore, this site is not required to estimate the NMOC emissions rate. [40 CFR Part 62.14353, 40 CFR 60.752(b)(1)(ii)] Federally Enforceable Through Title V Permit
2. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period. The operator shall test the sulfur content of the gases being flared and demonstrate the sulfur content does not exceed 3.3% by weight. [District Rules 2520 and 4801] Federally Enforceable Through Title V Permit
3. To show compliance with sulfur emission limits, the gas being flared shall be tested quarterly for sulfur content (using Draeger tubes) and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 4 consecutive quarters for the flared gas, then the compliance testing frequency shall be annually. If an annual sulfur content test fails to show compliance, quarterly testing shall resume. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. The sulfur content of the gas being flared shall be determined using ASTM D 1072, D 3031, D 4084, D 3246 or grab sample analysis by GC-FPD/TCD performed in the laboratory, or other alternative sampling method approved by the District. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. The fuel higher heating value for the gases being flared shall be determined by ASTM D 1826 or D 1945 in conjunction with ASTM D 3588. [District Rules 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. The pilot flame shall only be ignited and operated to startup the enclosed landfill gas flare. The presence of the pilot flame shall be monitored using a thermocouple or any other equivalent device that would detect the presence of the pilot flame. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. The facility shall maintain in proper operating condition a gas flow meter with a continuous recording device which measures the amount of landfill gas consumed per day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The owner or operator shall maintain and operate the landfill gas flare in accordance with the manufacturer's specifications and in accordance with Section 5.2.4 of District Rule 4642 (4/16/98). A copy of manufacturer's specification shall be maintained on site. [District Rules 2520 and 4642] 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.

10. The landfill gas (LFG) consumption rate shall not exceed 510.5 MMBtu per day. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Emissions from the LFG collection system served by the flare shall not exceed any of the following limits: 0.05 lb-NO<sub>x</sub>/MMBtu, 0.04 lb-SO<sub>x</sub>/MMBtu, 0.1 lb-PM<sub>10</sub>/MMBtu, 0.2 lb-CO/MMBtu, and 0.01 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The fugitive VOC emissions from the landfill shall not exceed 0.2 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Landfill collection and control system must be operated such that landfill surface methane emissions shall not exceed instantaneous surface emission limit of 500 ppmv as methane or integrated surface emission limit of 25 ppmv as methane. Successful compliance with this condition will also satisfy compliance with the fugitive VOC emissions limit in the permit. [17 CCR 95464, 17 CCR 95465, and District Rules 2201 and 4642] Federally Enforceable Through Title V Permit
14. Instantaneous and integrated landfill surface emissions measurements shall be done quarterly. The landfill may monitor annually provided they comply with requirements of 17 CCR 95469 (a)(1). [17 CCR 95469 and District Rule 4642] Federally Enforceable Through Title V Permit
15. The landfill gas condensate injection rate shall not exceed 600 gallons per day. [District NSR Rule and 4102] Federally Enforceable Through Title V Permit
16. The destruction efficiency for VOC shall be at least 98% (by weight), or VOC concentration shall not exceed 20 ppmv @ 3% O<sub>2</sub> (as methane) at the flare stack. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
17. The destruction efficiency for VOC shall be evaluated in accordance with the procedure in section 6.1.4 of Rule 4642 (4/16/98). [District Rules 2201 and 4642] Federally Enforceable Through Title V Permit
18. The flare shall be equipped with automatic dampers, an automatic shutdown device, and a flame arrester. [District NSR Rule, 17 CCR 95464] Federally Enforceable Through Title V Permit
19. The flare shall be operated at or above the minimum temperature determined during a previous source test during which successful compliance have been demonstrated with the limits in this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The flare shall be equipped with a temperature indicator and recorder which measures and records the operating temperature. The temperature indicator and recorder must operate continuously. [District NSR Rule, 17 CCR 95464] Federally Enforceable Through Title V Permit
21. Methane destruction efficiency shall be at least 99% by weight. [17 CCR 95464]
22. The owner or operator shall keep records of the date, quantity of landfill gas condensate injected, and number of operating hours per day. [District NSR Rule] Federally Enforceable Through Title V Permit
23. The owner or operator shall keep records of the date, volume of landfill gas consumed (scf/day), and the total heat input (MMBtu/day). [District Rules 2201, 2520 and 4642] Federally Enforceable Through Title V Permit
24. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
25. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081 and 4642] Federally Enforceable Through Title V Permit
26. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 4642] Federally Enforceable Through Title V Permit
27. Source testing to determine NO<sub>x</sub> and CO emissions, as well as the VOC destruction efficiency, shall be conducted annually. [District Rules 2520, 9.3.2 and NSR] 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.

28. Source testing for NO<sub>x</sub> and CO shall be conducted utilizing EPA Method 7E and EPA Method 10 respectively, or CARB Method 100. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. Source testing for VOC control efficiency and VOC concentration shall be conducted utilizing EPA Method 25A or 25C. [District Rules 2520 and 4642] Federally Enforceable Through Title V Permit
30. The heating value of the process gas shall be determined at the time of source tests. Test methods ASTM D1826 or ASTM D3588 shall be used. [District Rules 2520 and 4642] Federally Enforceable Through Title V Permit
31. Stack velocity/volumetric flow shall be determined using CARB Method 2. [District Rule 4642] Federally Enforceable Through Title V Permit
32. The gas collection system shall be operated in a manner which maximizes the amount of landfill gas extracted while preventing overdraw that can cause fires or damage the gas collection system. [District Rule 4642] Federally Enforceable Through Title V Permit
33. The owner or operator shall notify the District Compliance Division by telephone, (209) 557-6400, or electronically (via e-mail or fax, etc.) at least 24 hours before performing any maintenance that requires the system to be shutdown. The notification shall include a description of the maintenance, the date maintenance will be performed and the amount of time needed to complete the maintenance. [District Rule 4642] Federally Enforceable Through Title V Permit
34. During maintenance of the gas collection system or the flare, emissions of landfill gas into atmosphere shall be minimized during shutdown. The gas collection system and the flare shall not be shutdown for more than 144 cumulative hours in any calendar year. [District Rule 4642] Federally Enforceable Through Title V Permit
35. The owner or operator shall keep records of the following items: a.) surface emission tests including: the time; weather conditions, including precipitation records; areas sampled; calibration records; and test results, b.) source test reports, c.) flare combustion temperature including the dates and times of temperature readings, net heating value (MMBtu/scf) of landfill gas being combusted, volumetric gas flow rate and flare exit velocity, and d.) maintenance-related or other collection system and control device downtime, including individual well shutdown. [District Rule 4642] Federally Enforceable Through Title V Permit
36. If any two or more surface emission tests exceed the 1,000 ppmv standard in Rule 4642 (4/16/98), the operator shall submit an emission control plan and a complete application for Authority to Construct, if necessary, within 12 months from the date of the second test failure, and must be in full compliance with the rule within 12 months after the Authority to Construct is issued, or after approval of the emission control plan, and conduct surface emission testing as prescribed in Section 6.3.1 of Rule 4642 (4/16/98). [District Rule 4642] Federally Enforceable Through Title V Permit
37. Landfill gas collection system wellheads must be operated under vacuum. Monthly monitoring of wellheads is required. [17 CCR 95464]
38. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. If compliance with the methane limit has been demonstrated for 4 consecutive quarters, then the component checking frequency shall be annually. If an annual test fails to show compliance, quarterly testing shall resume. [17 CCR 95464]
39. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
40. Permittee shall keep records of all gas collection system downtime exceeding five days, including individual well shutdown and disconnection times and the reason for downtime. [17 CCR 95470]
41. Permittee shall keep records of all gas control system downtime in excess of one hour, the reason for the downtime and the length of time the gas control system was shutdown. [17 CCR 95470]
42. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

43. Permittee shall keep records of all instantaneous surface readings of 200 ppmv or greater; all exceedances of the limits in sections 95464(b)(1)(B) or 95465, including the location of the leak (or affected grid), leak concentration in ppmv, date and time of measurement, the action taken to repair the leak, date of repair, any required re-monitoring and the re-monitored concentration in ppmv, and wind speed during surface sampling; and the installation date and location of each well installed as part of a gas collection system expansion. [17 CCR 95470]
44. Permittee shall keep records of any positive wellhead gauge pressure measurements, the date of the measurements, the well identification number, and the corrective action taken. [17 CCR 95470]
45. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470]
46. Permittee shall keep records of the nature, location, amount, and date of deposition of non-degradable waste for any landfill areas excluded from the collection system. [17 CCR 95470]
47. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]
48. Permittee shall keep records describing the mitigation measures taken to prevent the release of methane or other emissions into the atmosphere during the following activities: 1. When solid waste was brought to the surface during the installation or preparation of wells, piping, or other equipment; 2. During repairs or the temporary shutdown of gas collection system components; or, 3. When solid waste was excavated and moved. [17 CCR 95470]
49. Permittee shall keep records of any construction activities pursuant to section 95466. The records must contain the following information: 1. A description of the actions being taken, the areas of the MSW landfill that will be affected by these actions, the reason the actions are required, and any landfill gas collection system components that will be affected by these actions. 2. Construction start and finish dates, projected equipment installation dates, and projected shut down times for individual gas collection system components. 3. A description of the mitigation measures taken to minimize methane emissions and other potential air quality impacts. [17 CCR 95470]
50. Permittee shall keep records of the equipment operating parameters specified to be monitored under section 95469(b)(1) as well as records for periods of operation during which the parameter boundaries established during the most recent source test are exceeded. The records must include the following information: 1. For enclosed flares, all 3-hour periods of operation during which the average temperature difference was more than 28 degrees Celsius (or 50 degrees Fahrenheit) below the average combustion temperature during the most recent source test at which compliance with sections 95464(b)(2) was determined and a gas flow rate device which must record the flow to the control device at least every 15 minutes. [17 CCR 95470]
51. Permittee shall submit the following reports as required in section 95470(b): Closure notification, Equipment removal report and Annual report. All reports must be accompanied by a certification of truth, accuracy, and completeness signed by a responsible official. [17 CCR 95470]
52. Permittee may comply with the CARB regulation for landfill methane control measures by using approved alternative compliance options. The permittee shall obtain written District approval for the use of any alternative compliance options not specifically approved by this permit. Changes to the approved alternate compliance options must be made and approved in writing. Documentation of approved alternative compliance options shall be available for inspection upon request. [17 CCR 95468]
53. The owner or 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
54. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070, 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

Detailed Facility List

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### Detailed Facility Report

For Facility=3104

Sorted by Facility Name and Permit Number

GEER ROAD LANDFILL 750 GEER RD MODESTO, CA 95351	FAC # STATUS: TELEPHONE:	N 3104 A 2095256768	TYPE: TOXIC ID:	TitleV	EXPIRE ON: AREA: INSP. DATE:	02/29/2016 8 / 06/17
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-3104-1-3	26,000 KBtu/hr flare	3020-02 H	1	1,128.00	1,128.00	D	ONE (1) 26 MMBTU/HR SUR-LITE, MCGILL ENVIRONMENTAL SYSTEMS LANDFILL GAS FIRED FLARE.
N-3104-2-11	144 Acres	3020-12 U	144	109.00	3,447.00	A	MUNICIPAL SOLID WASTE LANDFILL, 3.8 MILLION CUBIC METER CAPACITY (144 ACRES), WITH GAS COLLECTION SYSTEM, A CONDENSATE INJECTION SYSTEM, AND ONE (1) 24 MMBTU/HR JOHN ZINK MODEL ZTOF 6X45 LANDFILL GAS FIRED FLARE

Number of Facilities Reported: 1