

May 17, 2023

Mr. Mark Houghton  
North County Sanitary Landfill  
PO Box 1810  
Stockton, CA 95205

**Re: Notice of Final Action - Title V Permit Renewal**  
**Facility Number: N-1119**  
**Project Number: N-1211940**

Dear Mr. Houghton:

The District has issued the Final Renewed Title V Permit for North County Sanitary Landfill (see enclosure). The preliminary decision for this project was made on 3/28/23. No comments were received following the District's preliminary decision on this project.

The public notice for issuance of the Final Title V Permit will be posted on the District's website ([www.valleyair.org](http://www.valleyair.org)).

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,



Brian Clements  
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email  
cc: Gerardo Rios, EPA (w/enclosure) via EPS

**Samir Sheikh**  
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

**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

# San Joaquin Valley Air Pollution Control District

**FACILITY:** N-1119-0-3

**EXPIRATION DATE:** 11/30/2027

## 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 (San Joaquin)] 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 (San Joaquin)] 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, 9.8.1 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: NORTH COUNTY SANITARY LANDFILL

Location: 17720 E HARNEY LN, LODI, CA 95240

N-1119-0-3 : May 16 2023 8:11AM -- PEREZK

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, market, sell, solicit or apply any architectural coating or colorant with a VOC content in excess of the applicable limits specified in Table 1 (Coatings) and Table 2 (Colorants) of District Rule 4601 (4/16/20), unless exempted under Section 4.0 of District Rule 4601 (4/16/20). [District Rule 4601] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (4/16/20) shall be stored in closed containers when not in use. [District Rule 4601] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (4/16/20). [District Rule 4601] 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. 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. 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. 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 8011 and 8021] Federally Enforceable Through Title V Permit
30. 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 8011 and 8031] Federally Enforceable Through Title V Permit
31. 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 8011 and 8041] Federally Enforceable Through Title V Permit
32. 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 8011 and 8051] Federally Enforceable Through Title V Permit
33. 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 8011 and 8061] Federally Enforceable Through Title V Permit
34. 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 8011 and 8071] Federally Enforceable Through Title V Permit
35. 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  
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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. 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
38. 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
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (San Joaquin), Rule 110 San Joaquin), and Rule 202 (San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. 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
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-1119-1-12

**EXPIRATION DATE:** 11/30/2027

**SECTION:** 21 **TOWNSHIP:** 3N **RANGE:** 8E

**EQUIPMENT DESCRIPTION:**

12.4 MILLION CUBIC METER CAPACITY (185 ACRES) MUNICIPAL SOLID WASTE LANDFILL WITH A LANDFILL GAS COLLECTION SYSTEM SERVED BY A 24.4 MMBTU/HR PEI MODEL FL-90-32-E ENCLOSED GROUND FLARE

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District NSR Rule] Federally Enforceable Through Title V Permit
3. All landfill gas collected shall be controlled by the flare. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The flare shall operate smokeless at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
5. VOC emissions (as hexane) from the flare serving the LFG collection system shall not exceed 71.3 lbs VOC/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. VOC emissions (as hexane) from the flare serving the LFG collection system shall not exceed 26,025 lb VOC/year based on annual source testing. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The VOC destruction efficiency for the flare shall be at least 98% by weight or VOC emissions shall not exceed 20 ppmv @ 3% O<sub>2</sub> as hexane. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Methane destruction efficiency for the flare shall be at least 99% by weight. [17 CCR 95464] Federally Enforceable Through Title V Permit
9. Emissions from the flare shall not exceed any of the following emission limits: 0.06 lb NO<sub>x</sub>/MMbtu, 0.03 lb SO<sub>x</sub>/MMbtu, 0.09 lb CO/MMbtu, or 0.034 lb PM<sub>10</sub>/MMbtu. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The facility shall install and maintain in proper operating condition a gas flow meter with a recording device which measures the flowrate of landfill gas consumed and is recorded at least every 15 minutes. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The flare shall be equipped with a temperature indicator and recorder that measures and records the operating temperature. The temperature indicator and recorder must operate continuously when landfill gas is being incinerated. [District NSR Rule and 17 CCR 95464] Federally Enforceable Through Title V Permit
12. The enclosed flare shall be equipped with an LPG fired pilot. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Source testing on the flare shall be performed to demonstrate compliance with the NO<sub>x</sub>, SO<sub>x</sub>, and CO limits, and the VOC destruction efficiency of 98% or emissions not greater than 20 ppmv @ 3% O<sub>2</sub> (as hexane) as required by this permit shall be conducted annually. [District NSR Rule] 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.

14. Source testing for NO<sub>x</sub> shall be conducted using EPA Method 7E or CARB Method 100. [District Rule 1081] Federally Enforceable Through Title V Permit
15. Source testing for SO<sub>x</sub> shall be conducted using EPA Method 6C, CARB Method 100, or calculation based on LFG inlet H<sub>2</sub>S concentrations. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Source testing for CO shall be conducted using EPA Method 10 or CARB Method 100. [District Rule 1081] Federally Enforceable Through Title V Permit
17. VOC emissions shall be measured by EPA Method 18 or 25. [District Rule 1081] Federally Enforceable Through Title V Permit
18. Upon receiving an approved plan for closure, or partial closure, the operator shall modify this operating permit to comply with the requirements of District Rule 4642. [District Rule 4642, 3.2 and 4.1.1] Federally Enforceable Through Title V Permit
19. 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 NSR Rule] Federally Enforceable Through Title V Permit
20. During maintenance of the gas collection system or incineration device, emissions of landfill gas shall be minimized during shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Maintenance is defined as work performed on a gas collection system and/or control device in order to ensure continued compliance with District rules, regulations, and/or Permits to Operate, and to prevent its failure or malfunction. [District NSR Rule] Federally Enforceable Through Title V Permit
22. The gas collection system shall be operated such that the concentration of total organic compounds (as hexane) shall not exceed 1,000 ppmv at any point along the gas transfer path of the gas collection system that is under pressure. [District NSR Rule] Federally Enforceable Through Title V Permit
23. The entire gas collection system that operates under pressure shall be inspected for leaks with a portable analyzer in accordance with EPA Method 21 at least quarterly. After four successful inspections, the frequency shall be annually. If a leak is detected, quarterly inspections shall resume. [District NSR Rule] Federally Enforceable Through Title V Permit
24. A leak is defined as a measurement in excess of 1,000 ppm (measured as hexane) above background when measured at a distance of one (1) centimeter from the potential source. Leaks shall be repaired within 15 calendar days after it is detected. [District NSR Rule] Federally Enforceable Through Title V Permit
25. The permittee shall notify the APCO by telephone at least 24 hours before performing any maintenance work that requires the system to be shutdown. The notification shall include a description of work, the date work will be performed and the amount of time needed to complete the maintenance work. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Each wellhead in the collection system shall be operated with a landfill gas temperature less than 55 degrees Celsius (131 degrees Fahrenheit). The owner or operator may establish a higher operating temperature at a particular well. A higher operating temperature request shall be submitted to the Administrator for approval and shall include supporting data demonstrating that the elevated parameter neither causes fires nor significantly inhibits decomposition by killing methanogens. The demonstration shall satisfy both of these criteria in order to be approved. [40 CFR 62.16716(c)] 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.

27. The owner or operator shall monitor each well monthly for temperature. If a well exceeds 55 degrees Celsius, action shall be initiated within 5 calendar days to correct the exceedance. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. If a landfill gas temperature less than 55 degrees Celsius cannot be achieved within 15 days of the initial exceedance, the owner or operator shall conduct a root cause analysis and correct the exceedance as soon as practicable, but no later than 60 days after the initial exceedance. If corrective actions cannot be completed within 60 days following the initial exceedance, the owner or operator shall also conduct a corrective action analysis and develop an implementation schedule to complete the necessary corrective action(s) as soon as practicable, but no more than 120 days following the initial exceedance. For corrective actions that cannot be completed within 60 days of the initial exceedance, the owner or operator shall submit the root cause analysis conducted, including a description of the recommended corrective action(s), the date for corrective action(s) already completed, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates as part of the next annual report. [40 CFR 62.16720(a)(4)] Federally Enforceable Through Title V Permit
28. The owner or operator shall monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis. [40 CFR 62.16722(a)(2)] Federally Enforceable Through Title V Permit
29. Nitrogen concentration in the landfill gas shall be determined using EPA Method 3C of appendix A-2 to 40 CFR Part 60, or an alternative method approved by the District and EPA. Oxygen concentration in the landfill gas shall be determined using a portable gas composition analyzer or an oxygen meter. When using a portable gas analyzer, the analyzer shall be calibrated and meet all quality assurance and quality control requirements for EPA Method 3A of appendix A-2 to 40 CFR Part 60 or ASTM D6522-11. When using an oxygen meter, the meter shall use EPA Method 3A or 3C of appendix A-2 to 40 CFR Part 60 or ASTM D6522-11 except that: (1) The span shall be set between 10 and 12 percent oxygen, (2) A data recorder is not required, (3) Only two calibration gases are required, a zero and span, (4) A calibration error check is not required, and (5) The allowable sample bias, zero drift, and calibration drift are plus or minus 10 percent. [40 CFR 62.16722(a)(2)] Federally Enforceable Through Title V Permit
30. For the temperature measuring device used to monitor landfill gas temperature, the owner or operator shall calibrate the temperature measuring device annually using the procedure in Section 10.3 of EPA Method 2 of appendix A-1 to 40 CFR Part 60. [40 CFR 62.16722(a)(3)] Federally Enforceable Through Title V Permit
31. The owner or operator shall submit a notification to the Administrator as soon as practicable, but no later than 75 days after the initial exceedance for corrective action(s), as required by the condition that references 40 CFR 62.16720(a)(4), that are not completed within 60 days of the initial exceedance. If corrective action(s) take longer than 120 days to complete after the initial exceedance, the owner or operator shall submit the root cause analysis, corrective action analysis and corresponding implementation schedule to the Administrator as soon as practicable but no later than 75 days after the initial exceedance. [40 CFR 62.16724(k)] Federally Enforceable Through Title V Permit
32. The owner or operator shall keep for at least 5 years up-to-date, readily accessible records of each temperature monitoring value of 55 degrees Celsius or above, each wellhead nitrogen level at or above 20 percent, and each wellhead oxygen level at or above 5 percent. [40 CFR 62.16726(e)(2)] Federally Enforceable Through Title V Permit
33. The owner or operator shall keep up-to-date readily accessible records of the following: (1) For any root cause analysis, as required by the condition that references 40 CFR 62.16720(a)(4), the root cause analysis conducted, including a description of the recommended corrective action(s) taken, and the date(s) the corrective action(s) were completed. (2) For corrective action(s) that cannot be fully implemented within 60 days following the initial exceedance, the corrective action analysis and a schedule of implementation, including proposed commencement and completion dates. (3) For corrective action that is expected to take longer than 120 days to complete after the initial exceedance, a copy of any comments or final approval on the corrective action analysis or schedule from the District. [40 CFR 62.16726(e)(5)] Federally Enforceable Through Title V Permit
34. Each month the heat content of the landfill gas combusted in the flare shall be measured, and the flare firing rate shall be calculated in MMBtu/hr and recorded. [District NSR Rule] Federally Enforceable Through Title V Permit
35. All equipment or systems installed or used to achieve compliance with the terms and conditions of this Permit to Operate shall be maintained in good working order and be operated as efficiently as possible to minimize air pollution emissions. [District NSR Rule] 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.



36. PM10 emissions from the application of soil for both cover and closure activities shall not exceed 160.0 lb PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
37. PM10 emissions from the application of soil for both cover and closure activities shall not exceed and 14,600 lb PM10 per quarter, calculated at least once per quarter. [District NSR Rule] Federally Enforceable Through Title V Permit
38. PM10 emissions from the application of soil for both cover and closure activities shall be calculated as follows:  $(EF) \times A$  where (EF) is calculated as  $(0.0133 / ((M/2)^{1.4}))$ . M represents the moisture content of the soil in percent, determined at least once monthly by heating a representative sample to dryness and comparing the pre and post-drying mass. A represents the tons of soil moved per quarter, determined by counting the number of soil-moving vehicles onsite and the maximum weight of soil carried by each vehicle. [District NSR Rule] Federally Enforceable Through Title V Permit
39. A log of daily waste acceptance quantities shall be kept on the premises and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
40. All roadways, haul roads, active landfill soil cover work areas, weather paved access roads, and the paved public dumping area traveled by vehicles shall be kept clean and adequately moistened with water to continuously prevent fugitive emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
41. The average daily waste acceptance quantity shall not exceed 1,022 tons (averaged over any month). [District NSR Rule] Federally Enforceable Through Title V Permit
42. The permittee shall provide, properly install, and maintain in good working order continuous monitoring and recording systems to measure methane gas migration as a result of landfill gas generation if required by any regulatory agency. [District NSR Rule] Federally Enforceable Through Title V Permit
43. If a continuous methane monitoring and recording system is required by any other regulatory agency, then the permittee must obtain District approval prior to installation. [District NSR Rule] Federally Enforceable Through Title V Permit
44. The CalRecycle Enforcement Division is to be notified if underground migration of methane exceed 4 percent. [District NSR Rule] Federally Enforceable Through Title V Permit
45. 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
46. 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
47. The owner or operator must monitor the gas control system using the following procedures: (1) For enclosed flares the following equipment must be installed, calibrated, maintained, and operated according to the manufacturer's specifications: (A) A temperature monitoring device equipped with a continuous recorder which has an accuracy of plus or minus ( $\pm$ ) 1 percent of the temperature being measured expressed in degrees Celsius or Fahrenheit. (B) At least one gas flow rate measuring device which must record the flow to the control device(s) at least every 15 minutes. [17 CCR 95469(b)(1)(A)(B)] Federally Enforceable Through Title V Permit
48. Landfill collection and control system must be operated such that methane emission from the landfill do not exceed instantaneous or integrated limit requirements. [17 CCR 95465(a)(1)(2)] Federally Enforceable Through Title V Permit
49. Landfill gas collection system components under positive pressure downstream of blower have a leak limit of 500 ppmv as methane. Components containing landfill gas and under positive pressure must be monitored quarterly for leaks. Any component leak must be tagged and repaired within 10 calendar days, or it is a violation of this subarticle. (A) Component leak testing at MSW landfills having landfill gas-to-energy facilities may be conducted prior to scheduled maintenance or planned outage periods. [17 CCR 95469(b)(3)] Federally Enforceable Through Title V Permit

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50. Landfill collection and control system shall operate under vacuum. The owner or operator must monitor each individual wellhead monthly to determine the gauge pressure. If there is any positive pressure reading other than as provided in sections 17 CCR 95464(d) and 17 CCR 95464(e), the owner or operator must take the following actions: (1) Initiate corrective action within five calendar days of the positive pressure measurement. If the problem cannot be corrected within 15 days of the date the positive pressure was first measured, the owner or operator must initiate further action, including, but not limited to, any necessary expansion of the gas collection system, to mitigate any positive pressure readings. (3) Corrective actions, including any expansion of the gas collection and control system, must be completed and any new wells must be operating within 120 days of the date the positive pressure was first measured, or it is a violation of this subarticle. Landfill gas collection system wellheads may be operated under neutral or positive pressure when there is a fire or during other times as allowed in sections 95464(c), 95464(d), and 95464(e) [17 CCR 95469(c)(1)(2)(3)] Federally Enforceable Through Title V Permit
51. An MSW landfill owner or operator who operates a flare must satisfy the following requirements: Route the collected gas to an enclosed flare that meets the following requirements: Achieves a methane destruction efficiency of at least 99 percent by weight, Is equipped with automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors which record at least every 15 minutes, During restart or startup there must be a sufficient flow of propane or commercial natural gas to the burners to prevent unburned collected methane from being emitted to the atmosphere, The gas control device must be operated within the parameter ranges established during the initial or most recent source test. [17 CCR 95464 (b) (2)(A)] Federally Enforceable Through Title V Permit
52. The owner or operator must conduct an annual source test for an enclosed flare or energy recovery device (IC engine, boiler) using the test methods identified in 17 CCR Section 95471(f). An initial source test must be conducted within 180 days of initial start up of the gas collection and control system. Each succeeding complete annual source test must be conducted no later than 45 days after the anniversary date of the initial source test. (A) If a gas control device remains in compliance after three consecutive source tests the owner or operator may conduct the source test every three years. If a subsequent source test shows the gas collection and control system is out of compliance the source testing frequency will return to annual. [17 CCR 95464 (b)(4)] Federally Enforceable Through Title V Permit
53. Methane surface concentration shall not exceed 500 ppmv as methane, other than non-repeatable, momentary readings, as determined by instantaneous surface monitoring. [17 CCR 95465(a)(1), 17 CCR 95468] Federally Enforceable Through Title V Permit
54. Methane average surface concentration shall not exceed 25 ppmv as determined by integrated surface monitoring. [17 CCR 95465(a)(2)] Federally Enforceable Through Title V Permit
55. Methane concentration limits do not apply to the working face of a landfill surface where the landfill cover material has been removed and refuse has been exposed for the purpose of installing, expanding, replacing, or repairing components of the landfill gas, leachate, or gas condensate collection and removal system, or for law enforcement activities requiring excavation. [17 CCR 95466(a)] Federally Enforceable Through Title V Permit
56. Any owner or operator of a MSW landfill with a gas collection and control system must conduct instantaneous and integrated surface monitoring of the landfill surface quarterly using the procedures specified in section 17 CCR 95471(c). Any reading exceeding a surface concentration of 500 ppmv as methane, other than non-repeatable, momentary readings and as determined by instantaneous surface monitoring, must be recorded as an exceedance and the following actions must be taken: (A) The owner or operator must record the date, location, and value of each exceedance, along with re-test dates and results. The location of each exceedance must be clearly marked and identified on a topographic map of the MSW landfill, drawn to scale with the location of both the grids and the gas collection system clearly identified, (B) Corrective action must be taken by the owner or operator such as, but not limited to, cover maintenance or repair, or well vacuum adjustments and the location must be re-monitored within ten calendar days of a measured exceedance. If the re-monitoring of the location shows a second exceedance, additional corrective action must be taken and the location must be re-monitored again no later than 10 calendar days after the second exceedance. If the re-monitoring shows a third exceedance, the owner or operator must install a new or replacement well as determined to achieve compliance no later than 120 calendar days after detecting the third exceedance, or it is a violation of this subarticle. [17 CCR 95469(a)(1)(A)(B)] Federally Enforceable Through Title V Permit

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57. Any closed or inactive MSW landfill, or any closed or inactive areas on an active MSW landfill that has no monitored exceedances of a surface concentration of 500 ppmv as methane, other than non-repeatable, momentary readings and as determined by instantaneous surface monitoring, after four consecutive quarterly monitoring periods may monitor annually. Any exceedances of the 500 ppmv limit as described above detected during the annual monitoring that can not be remediated within 10 calendar days will result in a return to quarterly monitoring of the landfill. Any exceedances of the 500 ppmv limit detected during any compliance inspections will result in a return to quarterly monitoring of the landfill. [17 CCR 95469(a)(1)(C)(D)] Federally Enforceable Through Title V Permit
58. Any reading exceeding the limit of 25 ppmv as determined by integrated surface monitoring must be recorded as an exceedance and the following actions must be taken: (A) The owner or operator must record the average surface concentration measured as methane for each grid along with re-test dates and results. The location of the grids and the gas collection system must be clearly marked and identified on a topographic map of the MSW landfill drawn to scale. Within 10 calendar days of a measured exceedance, (B) Corrective action must be taken by the owner or operator such as, but not limited to, cover maintenance or repair, or well vacuum adjustments and the grid must be re-monitored. If the re-monitoring of the grid shows a second exceedance, additional corrective action must be taken and the location must be re-monitored again no later than 10 calendar days after the second exceedance. If the re-monitoring shows a third exceedance, the owner or operator must install a new or replacement well as determined to achieve compliance no later than 120 calendar days after detecting the third exceedance, or it is a violation of this subarticle. [17 CCR 95469(a)(2)(a)(B)(1)(2)] Federally Enforceable Through Title V Permit
59. Any closed or inactive MSW landfill, or any closed or inactive areas on an active MSW landfill that has no monitored exceedances of the limit of 25 ppmv as determined by integrated surface monitoring after 4 consecutive quarterly monitoring periods may monitor annually. Any exceedances of the limit of 25 ppmv as determined by integrated surface monitoring detected during the annual monitoring that can not be remediated within 10 calendar days will result in a return to quarterly monitoring of the landfill. Any exceedances of the limit of 25 ppmv as determined by integrated surface monitoring detected during any compliance inspections will result in a return to quarterly monitoring of the landfill. An owner or operator of a closed or inactive MSW landfill, or any closed or inactive areas on an active MSW landfill that can demonstrate that in the three years before the effective date of this subarticle that there were no measured exceedances of the surface concentration limit of 500 ppmv as methane, other than non-repeatable, momentary readings and as determined by instantaneous surface monitoring or the limit of 25 ppmv as determined by integrated surface monitoring by annual or quarterly monitoring may monitor annually. Any exceedances of the 500 ppmv instantaneous and 25 ppmv average limits (as methane) detected during the annual monitoring that can not be remediated within 10 calendar days will result in a return to quarterly monitoring of the landfill. [17 CCR 95469(a)(2)(C)(D)(3)] Federally Enforceable Through Title V Permit
60. Owner or operator must measure the landfill surface concentration of methane using a hydrocarbon detector meeting the requirements of 17 CCR 95471(a). The landfill surface must be inspected using the following procedures: The entire landfill surface must be divided into individually identified 50,000 square foot grids. The grids must be used for both instantaneous and integrated surface emissions monitoring. (A) Testing must be performed by holding the hydrocarbon detector's probe within 3 inches of the landfill surface while traversing the grid. The walking pattern must be no more than a 25-foot spacing interval and must traverse each monitoring grid. If the owner or operator has no exceedances of 500 ppmv instantaneous surface concentration and 25 ppmv average surface concentration as methane after any four consecutive quarterly monitoring periods, the walking pattern spacing may be increased to 100-foot intervals. The owner or operator must return to a 25-foot spacing interval upon any exceedances of 500 ppmv instantaneous surface concentration and 25 ppmv average surface concentration as methane that cannot be remediated within 10 calendar days or upon any exceedances detected during a compliance inspection. If an owner or operator of a MSW landfill can demonstrate that in the past three years before the effective date of this subarticle that there were no measured exceedances of a surface concentration of 500 ppmv as methane, other than non-repeatable, momentary readings and as determined by instantaneous surface monitoring by annual or quarterly monitoring, the owner or operator may increase the walking pattern spacing to 100-foot intervals. The owner or operator must return to a 25-foot spacing interval upon any exceedances of 500 ppmv instantaneous surface concentration and 25 ppmv average surface concentration as methane that cannot be remediated within 10 calendar days or upon any exceedances detected during a compliance inspection. [17 CCR 95471(c)(1)(A)(B)(1)(2)] Federally Enforceable Through Title V Permit

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61. Surface testing must be terminated when the average wind speed exceeds five miles per hour or the instantaneous wind speed exceeds 10 miles per hour. The APCO may approve alternatives to this wind speed surface testing termination for MSW landfills consistently having measured winds in excess of these specified limits. Average wind speed must be determined on a 15-minute average using an on-site anemometer with a continuous recorder for the entire duration of the monitoring event. [17 CCR 95471(c)(1)(C)] Federally Enforceable Through Title V Permit
62. Surface emissions testing must be conducted only when there has been no measurable precipitation in the preceding 72 hours. [17 CCR 95471c(1)(D)] Federally Enforceable Through Title V Permit
63. The owner or operator must record any instantaneous surface readings of methane 200 ppmv or greater, other than non-repeatable, momentary readings. Surface areas of the MSW landfill that exceed a methane concentration limit of 500 ppmv must be marked and remediated pursuant to 17 CCR 95469(a)(1). The landfill surface areas with cover penetrations, distressed vegetation, cracks or seeps must also be inspected visually and with a hydrocarbon detector. [17 CCR 95471(c)(2)(A)(B)(C)(D)] Federally Enforceable Through Title V Permit
64. Integrated surface readings must be recorded and then averaged for each grid. Individual monitoring grids that exceed an average methane concentration of 25 ppmv must be identified and remediated pursuant to 17 CCR 95469(a)(2). The wind speed must be recorded during the sampling period. [17 CCR 95471(c)(3)(A)(B)(C)] Federally Enforceable Through Title V Permit
65. An owner or operator must maintain the following records, whether in paper, electronic, or other format, for at least five years: (A) All gas collection system downtime exceeding five calendar days, including individual well shutdown and disconnection times, and the reason for the downtime. (B) 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. (C) Expected gas generation flow rate calculated pursuant to 17 CCR Section 95471(e). (D) Records of all instantaneous surface readings of 200 ppmv or greater; all exceedances of the limits in 17 CCR Sections 95464(b)(1)(B) or 17 CCR Section 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. (E) Records of any positive wellhead gauge pressure measurements, the date of the measurements, the well identification number, and the corrective action taken. (F) Annual solid waste acceptance rate and the current amount of waste-in-place. (G) Records of the nature, location, amount, and date of deposition of non-degradable waste for any landfill areas excluded from the collection system. (H) Results of any source tests conducted pursuant to 17 CCR Section 95464(b)(4). (I) Records describing the mitigation measures taken to prevent the release of methane or other emissions into the atmosphere: 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. (J) Records of any construction activities pursuant to 17 CCR 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. (K) Records of the equipment operating parameters specified to be monitored under 17 CCR Sections 95469(b)(1) and 95469(b)(2) 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: 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 17 CCR Sections 95464(b)(2) and 95464(b)(3)(A) was determined. [17 CCR 95470 (a)(1)(A - K), District Rule 1070] Federally Enforceable Through Title V Permit
66. The owner or operator must maintain the following records, whether in paper, electronic, or other format, for the life of each gas control device, as measured during the initial source test or compliance determination: (A) The control device vendor specifications. (B) The expected gas generation flow rate as calculated pursuant to 17 CCR Section 95471(e). (C) The percent reduction of methane achieved by the control device determined pursuant to 17 CCR Section 95471(f). [17 CCR 95470 (b)(2)(A-E)] Federally Enforceable Through Title V Permit

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67. The owner or operator must maintain copies of the records and reports required by this subarticle and provide them to the Executive Officer within five business days upon request. Records and reports must be kept at a location within the State of California. [17 CCR 95470 (b)(3)] Federally Enforceable Through Title V Permit
68. Permittee shall submit the following reports as required in 17 CCR Section 95470(b): Equipment removal report, Heat input capacity 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 (b)] Federally Enforceable Through Title V Permit
69. 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] Federally Enforceable Through Title V Permit
70. 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 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] Federally Enforceable Through Title V Permit
71. Permittee shall maintain records of system inspections including: date, time and inspection results. [District Rule 1070] Federally Enforceable Through Title V Permit
72. Permittee shall maintain records of maintenance related or other collection system and control device downtime, including individual well shutdown. [District Rule 1070] Federally Enforceable Through Title V Permit
73. The operator shall record emission control device source tests (emissions of CO, NO<sub>x</sub>, and VOC) in pounds per MMBtu heat input. Operator shall also record VOC destruction/treatment efficiency. [District Rule 1081] Federally Enforceable Through Title V Permit
74. Each 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. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
75. Annual records of flare exhaust VOC concentration, flare exhaust flow rate, and calculations of daily and annual VOC emissions shall be kept for a period of five years for compliance with permit limits. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
76. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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