



APR 21 2014

Mr. Luke Serpa
City of Clovis - Landfill
1033 Fifth Street
Clovis, CA 93612

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # C-3074
Project # C-1123485**

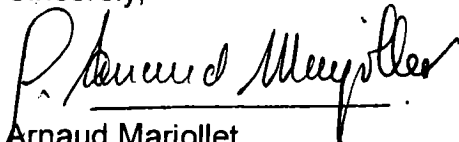
Dear Mr. Serpa:

Enclosed for your review is the District's analysis of City of Clovis - Landfill's application for the Federally Mandated Operating Permit for its operation at 15679 Auberry Road Clovis, 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 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. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,


Arnaud Marjollet
Director of Permit Services

Enclosures

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

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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

**SAN JOAQUIN VALLEY
UNIFIED AIR POLLUTION CONTROL DISTRICT**

CITY OF CLOVIS - LANDFILL

PROPOSED ENGINEERING EVALUATION

TABLE OF CONTENTS

SECTION	PAGE
I. PROPOSAL	1
II. FACILITY LOCATION	1
III. EQUIPMENT LISTING	2
IV. GENERAL PERMIT TEMPLATE USAGE	2
V. SCOPE OF EPA AND PUBLIC REVIEW	2
VI. REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES	2
VII. REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES	4
VIII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE	4
IX. COMPLIANCE	5
X. PERMIT SHIELD	8
XI. PERMIT CONDITIONS	9
ATTACHMENT A – DETAILED FACILITY PRINTOUT	
ATTACHMENT B – EXEMPT EQUIPMENT	
ATTACHMENT C – TEMPLATE QUALIFICATION FORM	
ATTACHMENT D – CURRENT PERMIT TO OPERATE AN ATURHOITY TO CONSTRUCT	

INITIAL TITLE V APPLICATION REVIEW

Project #: C-1123485
Deemed Complete: December 10, 2012

Engineer: Derek Fukuda
Date: April 16, 2014

Facility Number: C-3074
Facility Name: City of Clovis - Landfill
Mailing Address: 1033 Fifth Street
Clovis, CA 93612

Contact Name: Luke Serpa
Phone: (559) 324-2614

Responsible Official: Luke Serpa
Title: Utilities Director

I. PROPOSAL

City of Clovis – Landfill is proposing that an initial Title V permit be issued for its municipal solid waste (MSW) landfill at 15679 Auberry Road in Clovis, CA. The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with those applicable requirements, and to provide the legal and factual basis for proposed permit conditions.

The facility submitted an Initial Title V permit application based on the future design capacity of their landfill exceeding the 2.5 million cubic meter, which is the design capacity level at which a facility is required to obtain a Title V permit (40 CFR Part 60, Subpart WWW). The facility subsequently received an Authority to Construct (ATC), C-3074-8-4 (Attachment D), to expand the design capacity of their landfill to above the 2.5 million cubic meter threshold. The facility is not required to obtain a TV permit until they implement this ATC. The facility has stated that they are currently placing waste in the expanded area of the landfill. Therefore, ATC C-3074-8-4 has been implemented. However, ATC C-3074-8-4 cannot be converted to a Permit to Operate (PTO) without the District first performing an inspection of the facility to ensure all requirements of the ATC are met. Therefore, at this time, the District will issue an Initial TV permit to the facility based on the current PTO C-3074-8-3, and the facility will be required to submit a TV modification application to convert ATC C-3074-8-4 into their TV permit after a District inspection is completed.

II. FACILITY LOCATION

City of Clovis - Landfill is located at 15679 Auberry Road in Clovis, CA.

III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is shown in Attachment A.

A summary of the exempt equipment categories which describe the insignificant activities or equipment at the facility not requiring a permit is shown in Attachment B. This equipment is not exempt from facility-wide requirements.

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant is requesting to use the following model general permit templates:

- a. SJV-UM-0-3, Facility-wide Umbrella General Permit Template

The applicant has requested to utilize template #SJV-UM-0-3, Facility-wide Umbrella General Permit Template for unit C-3074-0-1. Based on the information submitted on the Template Qualification Form (Attachment C), the applicant qualifies for the use of this template.

V. SCOPE OF EPA AND PUBLIC REVIEW

Certain segments of the proposed Operating Permit are based on model general permit templates that have been previously subject to EPA and public review. The terms and conditions from the model general permit templates are included in the proposed permit and are not subject to further EPA and public review.

For permit applications utilizing model general permit templates, public and agency comments on the District's proposed actions are limited to the applicant's eligibility for model general permit template, applicable requirements not covered by the model general permit template, and the applicable procedural requirements for issuance of Title V Operating Permits.

The following permit conditions, including their underlying applicable requirements, originate from model general permit templates and are not subject to further EPA or public review.

Conditions 1 through 40 of the requirements for permit unit C-3074-0-1.

VI. REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES

District Rule 1100, Equipment Breakdown (amended December 17, 1992) (Non-SIP replacement for Kern County Rule 111)

District Rule 1160, Emission Statements (adopted November 18, 1992)

District Rule 2010, Permits Required (amended December 17, 1992)

District Rule 2020, Exemptions (amended August 18, 2011). The amendments made to this rule on August 18, 2011 have no impact to this source; therefore template SJV-UM-0-3 is still valid for this project.

District Rule 2031, Transfer of Permits (amended December 17, 1992)

District Rule 2040, Applications (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 2520, Sections 5.2, 9.1.1, 9.4, 9.5, 9.7, 9.8, 9.9, 9.13.1, 9.13.2, 9.16 and 10.0, Federally Mandated Operating Permits (amended June 21, 2001)

District Rule 4101, Visible Emissions (amended February 17, 2005)

District Rule 4601, Architectural Coatings (amended December 17, 2009)

District Rule 8011, General Requirements (amended August 19, 2004)

District Rule 8021, Construction, Demolition, Excavation, and Other Earthmoving Activities (amended August 19, 2004)

District Rule 8031, Bulk Materials (amended August 19, 2004)

District Rule 8041, Carryout and Trackout (amended August 19, 2004)

District Rule 8051, Open Areas (amended August 19, 2004)

District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)

District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended September 16, 2004)

40 CFR Part 82, Subpart B and F, Stratospheric Ozone

40 CFR Part 61, Subpart M, National Emission Standard for Asbestos

VII. REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES

District Rule 2201, New and Modified Stationary Source Review Rule (amended April 21, 2011)

District Rule 2520, Federally Mandate Operating Permits (amended June 21, 2001)

District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)

40 CFR Part 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills

40 CFR Part 64, Compliance Assurance Monitoring (CAM)

VIII. 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.

This facility is subject to the following rules that are not currently federally enforceable:

District Rule 4102 – Nuisance

a. C-3074-0-1: Facility-Wide Requirements

- Condition 41 on the proposed permit is based on this rule.

Title 17 California Code of Regulations (CCR), Subchapter 10, Article 4, Subarticle 6, Sections 95460 through 95476: Methane Emissions from Municipal Solid Waste Landfills

The purpose of this CARB regulation is to reduce methane emissions from municipal solid waste landfills pursuant to the California Global Warming Solutions Act of 2006.

- a. **C-3074-8-2: 57 ACRE MUNICIPAL SOLID WASTE LANDFILL (2.7 MILLION CUBIC YARD) WITH A LANDFILL GAS COLLECTION AND CONTROL SYSTEM, INCLUDING UP TO 18 COLLECTION WELLS, PIPING, VACUUM PUMP/BLOWER, CONDENSATE TRAPS AND A 5,000 GALLON CONDENSATE STORAGE TANK, CONTROLLED BY AN ENCLOSED GROUND FLARE (30 MMBTU/HR MAXIMUM)**
 - Conditions 7, 18, and 29 through 53 on the proposed permit is based on this regulation.

IX. COMPLIANCE

A. Requirements Addressed by Model General Permit Templates

1. Facility Wide Requirements

The applicant is proposing to use a general permit template to address federally applicable facility-wide requirements. Section IV of template SJV-UM-0-3 includes a demonstration of compliance for all applicable requirements. Template conditions have been added to the facility wide requirements as condition numbers 1 through 40 to ensure compliance with these requirements.

B. Requirements Not Addressed by Model General Permit Templates

1. District Rule 2201, New and Modified Stationary Source Review

The permit units are subject to the District NSR Rule upon application for Authority to Construct (ATC). In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting Permit to Operate (PTO) were addressed to define how NSR permit terms should be incorporated into the Title V permit.

a) **C-3074-8-2: 57 ACRE MUNICIPAL SOLID WASTE LANDFILL (2.7 MILLION CUBIC YARD) WITH A LANDFILL GAS COLLECTION AND CONTROL SYSTEM, INCLUDING UP TO 18 COLLECTION WELLS, PIPING, VACUUM PUMP/BLOWER, CONDENSATE TRAPS AND A 5,000 GALLON CONDENSATE STORAGE TANK, CONTROLLED BY AN ENCLOSED GROUND FLARE (30 MMBTU/HR MAXIMUM)**

- Conditions 1 and 3 from the current PTO have been included as conditions 22 and 41 on the facility wide permit (-0-1).
- Condition 2 from the current PTO has been included as conditions 1 on the requirements for the proposed permit.
- Conditions 4 through 56 from the current PTO have been included as conditions 2 through 54 on the requirements for the proposed permit.

2. 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 (40CFR 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.

3. District Rule 4201, Particulate Matter Concentration

Section 3.1 prohibits discharge of dust, fumes, or total particulate matter into the atmosphere from any single source operation in excess of 0.1 grain per dry standard cubic foot.

Condition 1 of the requirements for proposed permit -8-2 ensures compliance with the requirements of this rule.

4. District Rule 4642, Solid Waste Disposal Sites

The purpose of this rule is to limit the emissions volatile organic compounds (VOC) from solid waste disposal sites. Per Section 2.0, this rule applies to any facility which has a gas collection system and/or control device in operation, or undergoing maintenance or repair. However, Per Section 4.1, this rule is not applicable to active disposal areas in a landfill therefore; Clovis Landfill is exempt from this rule. Upon closure, Clovis Landfill will be required to comply with the requirements of this rule through submittal of an ATC application.

5. 40 CFR Part 60, Subpart WWW

40 CFR Part 60 Subpart WWW applies to each municipal solid waste landfill that commenced construction, reconstruction or modification on or after May 30, 1991. Physical or operational changes made to an existing MSW landfill solely to comply with subpart Cc of this part are not considered construction, reconstruction, or modification for the purposes of this section.

The facility has not surpassed the WWW trigger threshold of 50 megagrams of NMOC per year, it is not a Major Source, the design capacity of the landfill does not yet exceed 2.5 million cubic meters, and it is not yet a closed landfill. Therefore except for the recordkeeping requirements of 60.752, 60.758, and the reporting requirements of 60.757 (to maintain exemption), the requirements of this subpart do not yet apply.

- Conditions 25 and 26 of the requirements for proposed permit -8-2 ensures compliance with the requirements of this rule.

6. 40 CFR Part 64, CAM

40 CFR Part 64 only requires Compliance Assurance Monitoring (CAM) for large pollutant-specific emissions units (PSEU) during the initial TV permitting process. Large PSEUs are units with a potential to emit after controls that is equal to or greater than a major source threshold. Based on potential to emit calculations summarized below, the landfill is not a large PSEU, therefore CAM will not be addressed in this evaluation.

PM₁₀ Emissions from the Landfill

Potential emission of PM₁₀ are summarized in the table below:

PM10 Potential to Emit	
Emission Source	Annual (lb/year)
Landfill Closure	1,677
Paved road	578
Unpaved Roads	3,070
Waste Disposal Activities	4,350
Wind Erosion from Active Stockpile	1,380
Totals	11,066

Emissions from combustion of LFG in the flare serving the GCCS:

Flare Potential to Emit		
Pollutant	Emission Factor (lb/MMBtu)	Annual (lb/year)
NO _x	0.05	13,140
SO _x	0.033	8,760
PM ₁₀	0.05	13,140
CO	0.02	52,560
VOC	0.06	1,577

Uncaptured and uncontrolled VOC emissions from the Landfill

Per the LandGEM model, maximum NMOC (VOC) emission rates will be realized at landfill closure in 2048. 19.5 tons/year of NMOC will be generated (uncontrolled) at this point in time. The GCCS will be estimated to be capable of 75% collection efficiency, and the flare serving the GCCS is required by permit condition to be 98% efficient:

VOC = 9,750 lb-NMOC/year => **9,750 lb-VOC/year**

Total Landfill Emissions and Major Source Thresholds

Total Emissions and Major Source Thresholds		
Pollutant	Annual (lb/year)	Major Source Threshold (lb/year)
NO _x	13,140	20,000
SO _x	8,760	140,000
PM ₁₀	24,206	140,000
CO	52,560	200,000
VOC	11,327	20,000

X. 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

By using the model general permit template listed in Section IV of this evaluation, the applicant has requested that a permit shield be issued for requirements addressed in the template. The basis for each permit shield is discussed in the Permit Shield section of each template.

XI. PERMIT CONDITIONS

See draft operating permit beginning on the following page.

San Joaquin Valley Air Pollution Control District

FACILITY: C-3074-0-1

EXPIRATION DATE: 10/31/2014

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 and Fresno County Rule 110] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0 and Fresno County Rule 110] Federally Enforceable Through Title V Permit
3. {4364} 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. {4365} 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. {4366} 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. {4367} 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. {4368} 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. {4369} 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. {4370} 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: CITY OF CLOVIS - LANDFILL
Location: 15679 AUBERRY RD, CLOVIS, CA 93612
C-3074-0-1 : Apr 16 2014 3:22PM - FUKUDAD

10. {4371} 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. {4372} 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. {4373} 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. {4374} 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. {4375} 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. {4376} 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. {4377} 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. {4378} 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. {4379} 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. {4380} 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. {4381} 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. {4382} 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

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

22. {4383} 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
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} 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. {4388} 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. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit

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

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. {4396} 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
36. {4397} 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. {4398} 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. {4399} 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: Fresno County Rules 401, 110, and 202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. {4401} 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. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-3074-8-2

EXPIRATION DATE: 10/31/2014

EQUIPMENT DESCRIPTION:

57 ACRE MUNICIPAL SOLID WASTE LANDFILL (2.7 MILLION CUBIC YARD) WITH A LANDFILL GAS COLLECTION AND CONTROL SYSTEM, INCLUDING UP TO 18 COLLECTION WELLS, PIPING, VACUUM PUMP/BLOWER, CONDENSATE TRAPS AND A 5,000 GALLON CONDENSATE STORAGE TANK, CONTROLLED BY AN ENCLOSED GROUND FLARE (30 MMBTU/HR MAXIMUM)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Only landfill gas or LPG/propane shall be used as auxiliary fuels for the combustion of VOC. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Sampling ports shall be installed on each well head. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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 2201] Federally Enforceable Through Title V Permit
5. Landfill gas line from collection header shall be equipped with a gas flow rate measurement device. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Landfill gas collection system shall be equipped with an enclosed flare having VOC destruction efficiency of at least 98% by weight, or reduce the VOC concentration (measured as methane) to 20 ppmv @ 3% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Methane destruction efficiency shall be at least 99% by weight. [17 CCR 95464]
8. The minimum operating temperature for the combustion chamber of the flare shall be maintained at or above 1,400 degrees F. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The flare shall be equipped with an operational temperature gauge to indicate the temperature of the combustion chamber. A continuously recording device shall be utilized to indicate the combustion chamber temperature during operation. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The landfill gas vapor collection system shall not be operated unless the combustion chamber is at or above minimum operating temperature. The system shall automatically terminate operation if the temperature drops below the minimum operating temperature. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Excavated solid waste shall be covered using fresh soil, plastic sheeting, or vapor retarding foam as necessary to prevent odorous emissions and to minimize the release of landfill gas. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Maintenance is defined as any work performed on the 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 Rule 2201] Federally Enforceable Through Title V Permit

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

13. 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 Rule 2201] Federally Enforceable Through Title V Permit
14. During maintenance of the landfill gas collection system or incineration device, emissions of landfill gas shall be minimized during shutdown. [District Rule 2201]
15. Emission rates from the flare shall not exceed any of the following limits: 0.05 lb-NO_x/MMBtu; 0.006 lb-VOC/MMBtu; 0.2 lb-CO/MMBtu; 0.05 lb-PM₁₀/MMBtu; or 0.033 lb-SO_x/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The total VOC emissions from the landfill gas vapor collection system served by the flare shall not exceed 71.3 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The influent gas flowrate into the control device shall not exceed 1,667 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Source testing to demonstrate VOC destruction efficiency or VOC emission concentration limits shall be conducted annually. [District Rules 2201, 1081 and 17 CCR 95464] Federally Enforceable Through Title V Permit
19. The operator shall measure daily, in actual cubic feet, the volumetric flow rate of the collected landfill gas entering the flare. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Simultaneous grab samples shall be taken at the inlet to the flare and in the exhaust of the control device. The VOC concentrations of the samples shall be determined by using EPA Test Method 25 referenced as methane. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The destruction efficiency of the flare shall be calculated using the following equation: $\text{Destruction Efficiency} = [1 - ((a \times b) / (c \times d))] \times 100\%$, where a = measured concentration of VOC in the flare exhaust, b = exhaust flow of flare, c = measured concentration of VOC in the landfill gas entering the flare, and d = inlet flow of flare. [District Rule 2201] Federally Enforceable Through Title V Permit
22. During annual source testing, the volumetric flow rate of the flare effluent gases shall be measured using CARB Method 2 or EPA Method 19. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The heating value of the process gas shall be determined by using the latest revision of test method ASTM D1826 or ASTM D3588. [District Rule 2201] Federally Enforceable Through Title V Permit
24. 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. The results of each source test shall be submitted to the District within 60 days after testing. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
25. An amended landfill design capacity report shall be submitted to the District and to US EPA providing notification of an increase in the design capacity of the landfill, within 90 days of an increase in the maximum design capacity of the landfill to or above 2.5 million megagrams and 2.5 million cubic meters. This increase in design capacity may result from an increase in the permitted volume of the landfill or an increase in the density as documented in the annual recalculation required in 60.758(f) of 40 CFR 60 Subpart WWW [District Rule 2201 and 40 CFR 60.757(a)(3)] Federally Enforceable Through Title V Permit
26. Landfill owners or operators who convert design capacity from volume to mass or mass to volume to demonstrate that landfill design capacity is less than 2.5 million megagrams or 2.5 million cubic meters, as provided in the definition of "design capacity", shall keep readily accessible, on-site records of the annual recalculation of site-specific density, design capacity, and the supporting documentation. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [40 CFR 60.758(f)] Federally Enforceable Through Title V Permit
27. Permittee shall record emission control device source test reports showing VOC destruction/treatment efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit

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

28. Permittee shall maintain average monthly records of landfill gas flow rate to any control device(s) as well as the hours of operation of the control device(s) to show compliance with the daily influent flowrate limit. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Landfill collection and control system may be operated intermittently provided the methane emission from the landfill do not exceed instantaneous or integrated limit requirements. [17 CCR 95464]
30. Landfill gas collection system wellheads must be operated under vacuum. Monthly monitoring of wellheads is required. Landfill gas collection system wellheads may be operated under neutral or positive pressure when there is a fire, while GCCS is offline during intermittent operation as allowed in this permit, or during other times as allowed in sections 95464 (c), 95464(d), and 95464(e) [17 CCR 95464, 17 CCR 95468]
31. 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]
32. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464]
33. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
34. 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. [17 CCR 95464, 17 CCR 95465]
35. 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]
36. 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]
37. 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]
38. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]
39. 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]
40. Permittee shall keep records of delays encountered during repair of leaks or repair of positive wellhead readings. Documentation of delays shall be submitted with the annual report. [17 CCR 95468]
41. Permittee shall identify areas which are dangerous and unable to be inspected. Areas shall be clearly identified on a map of the facility. A copy of the map shall be kept onsite as well as submitted with the annual report. [17 CCR 95468]
42. Permittee shall conduct monitoring of the landfill surface within 3 inches of the surface. The facility may monitor surface emissions with the probe tip at the height of the vegetation if there is vegetation and it is impractical to monitor at 3 inches from the landfill surface. [17 CCR 95468]
43. Permittee shall terminate surface emission testing when the measured average wind speed is over 10 mph or the instantaneous wind speed is over 20 mph. [17 CCR 95468, 17 CCR 95471]
44. Permittee shall only conduct surface emission testing when precipitation has met the following requirements. It has been 24 hours since measured precipitation of 0.01 to 0.15 inches. It has been 48 hours since measured precipitation of 0.16 to 0.24 inches. It has been 72 hours since measured precipitation of 0.25 or more inches. [17 CCR 95468]

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

45. 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]
46. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470]
47. 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]
48. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]
49. 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]
50. 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]
51. 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]
52. 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]
53. 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]
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 Rule 1070 and Fresno County Rule 107] Federally Enforceable Through Title V Permit

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

DRAFT

Attachment A

Detailed Facility Printout

Detailed Facility Report
For Facility=3074 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

CITY OF CLOVIS - LANDFILL 15679 AUBERRY RD CLOVIS, CA 93612	FAC # STATUS: TELEPHONE:	C 3074 A	TYPE: TOXIC ID:	TitleV	EXPIRE ON: AREA: INSP. DATE:	10/31/2014 6 / 02/15
---	--------------------------------	-------------	--------------------	--------	------------------------------------	----------------------------

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-3074-8-3	57 acres	3020-12 L	1	1,697.00	1,697.00	A	57 ACRE MUNICIPAL SOLID WASTE LANDFILL (2.7 MILLION CUBIC YARD) WITH A LANDFILL GAS COLLECTION AND CONTROL SYSTEM, INCLUDING UP TO 18 COLLECTION WELLS, PIPING, VACUUM PUMP/BLOWER, CONDENSATE TRAPS AND A 5,000 GALLON CONDENSATE STORAGE TANK, CONTROLLED BY AN ENCLOSED GROUND FLARE (30 MMBTU/HR MAXIMUM)

Number of Facilities Reported: 1

Attachment B

Exempt Equipment

**San Joaquin Valley
Unified Air Pollution Control District
Title V Application - INSIGNIFICANT ACTIVITIES**

COMPANY NAME: **City of Clovis Landfill**

FACILITY ID: **C-3074**

Check the box next to the exemption category from Rule 2020 which describes any insignificant activity or equipment at your facility not requiring a permit.

Exemption Category	Rule 2020 Citation	√	Exemption Category	Rule 2020 Citation	√
Structure or incinerator assoc. with a structure designed as a dwelling for 4 families or less	4.1		Containers used to store refined lubricating oils	6.6.8	√
Locomotives, airplanes, and watercraft used to transport passengers or freight	4.4		Unvented pressure vessels used exclusively to store liquified gases or assoc with exempt equipment	6.6.9 or 6.13	√
Natural gas or LPG-fired boilers or other indirect heat transfer units of 5 MMBtu/hr or less	6.1.1		Portable tanks used exclusively to store produced fluids for ≤ six months	6.6.10	
Piston-type i.c. engine with maximum continuous rating of 50 braking horsepower (bhp) or less	6.1.2	√	Mobile transport tanks on delivery vehicles of VOCs	6.6.11	√
Gas turbine engines with maximum heat input rating of 3 MMBtu/hr or less	6.1.3		Loading racks used for the transfer of less than 4,000 gal/day of unheated organic material with initial boiling point ≥ 302 F or of fuel oil with specific gravity ≥ 0.8251	6.7.1.1	
Space heating equipment other than boilers	6.1.4		Loading racks used for the transfer of asphalt, crude or residual oil stored in exempt tanks, or crude oil with specific gravity ≥ 0.8762	6.7.1.2	
Cooling towers with a circulation rate less than 10,000 gal/min, and that are not used for cooling of process water, or water from barometric jets or condensers++	6.2		Equipment used exclusively for the transfer of refined lubricating oil	6.7.2	
Use of less than 2 gal/day of graphic arts materials	6.3		Equipment used to apply architectural coatings	6.8.1	
Equipment at retail establishments used to prepare food for human consumption	6.4.1		Unheated, non-conveyORIZED cleaning equipment with < 10 ft ² open area; using solvents with initial boiling point ≥ 248 F; and < 25 gal/yr. evaporative losses	6.9	
Ovens at bakeries with total daily production less than 1,000 pounds and exempt by sec. 6.1.1	6.4.3		Brazing, soldering, or welding equipment	6.10	√
Equipment used exclusively for extruding or compression molding of rubber or plastics, where no plastizer or blowing agent is used	6.5		Equipment used to compress natural gas	6.11	
Containers used to store clean produced water	6.6.1		Fugitive emissions sources assoc. with exempt equipment	6.12	√
Containers ≤ 100 bbl used to store oil with specific gravity ≥ 0.8762	6.6.2		Pits and Ponds as defined in Rule 1020	6.15	
Containers ≤ 100 bbl installed prior to 6/1/89 used to store oil with specific gravity ≥ 0.8762	6.6.3		On-site roadmi□manufacturing and the application of roadmi□as a road base material	6.17	
Containers with a capacity ≤ 250 gallons used to store organic material where the actual storage temperature < 150 F	6.6.4		Emissions less than 2 lb/day from units not included above	6.19	
Containers used to store unheated organic material with an initial boiling point ≥ 302 F	6.6.5		Venting PUC quality natural gas from for sole purpose of pipeline and compressor repair and or maintenance	7.2	
Containers used to store fuel oils or non-air-blown asphalt with specific gravity ≥ 0.9042	6.6.6		Non-structural repairs & maintenance to permitted equipment	7.3	
Containers used to store petroleum distillates used as motor fuel with specific gravity ≥ 0.8251	6.6.7	√	Detonation of explosives ≤ 100 lb/day and 1,000 lb/year	7.4	

No insignificant activities (Check this box if no equipment in the above categories exist at your facility.)

Attachment C

Template Qualification Form

Template SJV-UM-0-3

Title V General Permit Template Qualification Form
for
Facility-wide Umbrella General Permit Template

District facility ID # C-3074

To use this template, remove this sheet and attach to application. The conditions outlined in this template will be placed on your Title V permit.

Any facility may use this facility-wide template as part of its Title V application.

Based on information and belief formed after reasonable inquiry: 1) the information on this form is true and correct and 2) the facility certifies compliance with this template's permit conditions.



Signature of Responsible Official

DECEMBER 4, 2012

Date

LUKIE SERPA

Name of Responsible Official (Please Print)

Attachment D

Current Permit to Operate and Authority to Construct

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-3074-8-3

EXPIRATION DATE: 10/31/2014

EQUIPMENT DESCRIPTION:

57 ACRE MUNICIPAL SOLID WASTE LANDFILL (2.7 MILLION CUBIC YARD) WITH A LANDFILL GAS COLLECTION AND CONTROL SYSTEM, INCLUDING UP TO 18 COLLECTION WELLS, PIPING, VACUUM PUMP/BLOWER, CONDENSATE TRAPS AND A 5,000 GALLON CONDENSATE STORAGE TANK, CONTROLLED BY AN ENCLOSED GROUND FLARE (30 MMBTU/HR MAXIMUM)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. Only landfill gas or LPG/propane shall be used as auxiliary fuels for the combustion of VOC. [District Rule 2201]
5. Sampling ports shall be installed on each well head. [District Rule 2201]
6. 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 2201]
7. Landfill gas line from collection header shall be equipped with a gas flow rate measurement device. [District Rule 2201]
8. Landfill gas collection system shall be equipped with an enclosed flare having VOC destruction efficiency of at least 98% by weight, or reduce the VOC concentration (measured as methane) to 20 ppmv @ 3% O₂. [District Rule 2201]
9. Methane destruction efficiency shall be at least 99% by weight. [17 CCR 95464]
10. The minimum operating temperature for the combustion chamber of the flare shall be maintained at or above 1,400 degrees F. [District Rule 2201]
11. The flare shall be equipped with an operational temperature gauge to indicate the temperature of the combustion chamber. A continuously recording device shall be utilized to indicate the combustion chamber temperature during operation. [District Rule 2201]
12. The landfill gas vapor collection system shall not be operated unless the combustion chamber is at or above minimum operating temperature. The system shall automatically terminate operation if the temperature drops below the minimum operating temperature. [District Rule 2201]
13. Excavated solid waste shall be covered using fresh soil, plastic sheeting, or vapor retarding foam as necessary to prevent odorous emissions and to minimize the release of landfill gas. [District Rule 2201]
14. Maintenance is defined as any work performed on the 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 Rule 2201]
15. 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 Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

16. During maintenance of the landfill gas collection system or incineration device, emissions of landfill gas shall be minimized during shutdown. [District Rule 2201]
17. Emission rates from the flare shall not exceed any of the following limits: 0.05 lb-NO_x/MMBtu; 0.006 lb-VOC/MMBtu; 0.2 lb-CO/MMBtu; 0.05 lb-PM₁₀/MMBtu; or 0.033 lb-SO_x/MMBtu. [District Rule 2201]
18. The total VOC emissions from the landfill gas vapor collection system served by the flare shall not exceed 71.3 pounds in any one day. [District Rule 2201]
19. The influent gas flowrate into the control device shall not exceed 1,667 scfm. [District Rule 2201]
20. Source testing to demonstrate VOC destruction efficiency or VOC emission concentration limits shall be conducted annually. [District Rules 2201, 1081 and 17 CCR 95464]
21. The operator shall measure daily, in actual cubic feet, the volumetric flow rate of the collected landfill gas entering the flare. [District Rule 2201]
22. Simultaneous grab samples shall be taken at the inlet to the flare and in the exhaust of the control device. The VOC concentrations of the samples shall be determined by using EPA Test Method 25 referenced as methane. [District Rule 2201]
23. The destruction efficiency of the flare shall be calculated using the following equation: Destruction Efficiency = $[1 - ((a \times b) / (c \times d))] \times 100\%$, where a = measured concentration of VOC in the flare exhaust, b = exhaust flow of flare, c = measured concentration of VOC in the landfill gas entering the flare, and d = inlet flow of flare. [District Rule 2201]
24. During annual source testing, the volumetric flow rate of the flare effluent gases shall be measured using CARB Method 2 or EPA Method 19. [District Rule 2201]
25. The heating value of the process gas shall be determined by using the latest revision of test method ASTM D1826 or ASTM D3588. [District Rule 2201]
26. 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. The results of each source test shall be submitted to the District within 60 days after testing. [District Rules 1081 and 2201]
27. An amended landfill design capacity report shall be submitted to the District and to US EPA providing notification of an increase in the design capacity of the landfill, within 90 days of an increase in the maximum design capacity of the landfill to or above 2.5 million megagrams and 2.5 million cubic meters. This increase in design capacity may result from an increase in the permitted volume of the landfill or an increase in the density as documented in the annual recalculation required in ¹ 60.758(f) of 40 CFR 60 Subpart WWW [District Rule 2201 and 40 CFR 60.757(a)(3)]
28. Landfill owners or operators who convert design capacity from volume to mass or mass to volume to demonstrate that landfill design capacity is less than 2.5 million megagrams or 2.5 million cubic meters, as provided in the definition of "design capacity", shall keep readily accessible, on-site records of the annual recalculation of site-specific density, design capacity, and the supporting documentation. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [40 CFR 60.758(f)]
29. Permittee shall record emission control device source test reports showing VOC destruction/treatment efficiency. [District Rule 2201]
30. Permittee shall maintain average monthly records of landfill gas flow rate to any control device(s) as well as the hours of operation of the control device(s) to show compliance with the daily influent flowrate limit. [District Rule 2201]
31. Landfill collection and control system may be operated intermittently provided the methane emission from the landfill do not exceed instantaneous or integrated limit requirements. [17 CCR 95464]
32. Landfill gas collection system wellheads must be operated under vacuum. Monthly monitoring of wellheads is required. Landfill gas collection system wellheads may be operated under neutral or positive pressure when there is a fire, while GCCS is offline during intermittent operation as allowed in this permit, or during other times as allowed in sections 95464 (c), 95464(d), and 95464(e) [17 CCR 95464, 17 CCR 95468]

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

33. 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]
34. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464]
35. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
36. 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. [17 CCR 95464, 17 CCR 95465]
37. 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]
38. 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]
39. 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]
40. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]
41. 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]
42. Permittee shall keep records of delays encountered during repair of leaks or repair of positive wellhead readings. Documentation of delays shall be submitted with the annual report. [17 CCR 95468]
43. Permittee shall identify areas which are dangerous and unable to be inspected. Areas shall be clearly identified on a map of the facility. A copy of the map shall be kept onsite as well as submitted with the annual report. [17 CCR 95468]
44. Permittee shall conduct monitoring of the landfill surface within 3 inches of the surface. The facility may monitor surface emissions with the probe tip at the height of the vegetation if there is vegetation and it is impractical to monitor at 3 inches from the landfill surface. [17 CCR 95468]
45. Permittee shall terminate surface emission testing when the measured average wind speed is over 10 mph or the instantaneous wind speed is over 20 mph. [17 CCR 95468, 17 CCR 95471]
46. Permittee shall only conduct surface emission testing when precipitation has met the following requirements. It has been 24 hours since measured precipitation of 0.01 to 0.15 inches. It has been 48 hours since measured precipitation of 0.16 to 0.24 inches. It has been 72 hours since measured precipitation of 0.25 or more inches. [17 CCR 95468]
47. 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]
48. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470]
49. 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]
50. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

51. 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]
52. 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]
53. 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]
54. 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]
55. 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]
56. 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]

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



AUTHORITY TO CONSTRUCT

PERMIT NO: C-3074-8-4

ISSUANCE DATE: 03/11/2014

LEGAL OWNER OR OPERATOR: CITY OF CLOVIS - LANDFILL

MAILING ADDRESS: 155 N SUNNYSIDE
CLOVIS, CA 93611

LOCATION: 15679 AUBERRY RD
CLOVIS, CA 93612

EQUIPMENT DESCRIPTION:

MODIFICATION OF 57 ACRE MUNICIPAL SOLID WASTE LANDFILL (2.7 MILLION CUBIC YARD) WITH A LANDFILL GAS COLLECTION AND CONTROL SYSTEM, INCLUDING UP TO 18 COLLECTION WELLS, PIPING, VACUUM PUMP/BLOWER, CONDENSATE TRAPS AND A 5,000 GALLON CONDENSATE STORAGE TANK, CONTROLLED BY AN ENCLOSED GROUND FLARE (30 MMBTU/HR MAXIMUM): INCREASE LANDFILL DESIGN CAPACITY FROM 2.7 MILLION CUBIC YARDS (57 ACRES) TO 10.45 MILLION CUBIC YARDS (76.3 ACRES)

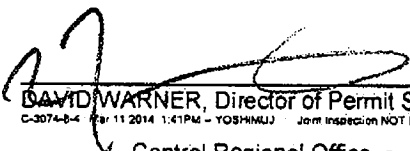
CONDITIONS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. Only landfill gas shall be used as auxiliary fuels for the combustion of VOC. [District Rule 2201]
5. LPG/propane shall be used as a pilot fuel to start the flare. [District Rule 2201]
6. Sampling ports shall be installed on each well head. [District Rule 2201]
7. 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 2201]
8. Landfill gas line from collection header shall be equipped with a gas flow rate measurement device. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO


DAVID WARNER, Director of Permit Services
C-3074-8-4 03/11/2014 1:41PM - YOSHIMUJI Joint Inspection NOT Required

9. Landfill gas collection system shall be equipped with an enclosed flare having a methane destruction efficiency of at least 99% by weight and a VOC destruction efficiency of at least 98% by weight, or reduce the VOC concentration (measured as methane) to 20 ppmv @ 3% O₂. [District Rule 2201 and 17 CCR 95464]
10. The minimum operating temperature for the combustion chamber of the flare shall be maintained at or above 1,400 degrees F. [District Rule 2201]
11. The flare shall be equipped with an operational temperature gauge to indicate the temperature of the combustion chamber. A continuously recording device shall be utilized to indicate the combustion chamber temperature during operation. [District Rule 2201]
12. The landfill gas vapor collection system shall not be operated unless the combustion chamber is at or above minimum operating temperature. The system shall automatically terminate operation if the temperature drops below the minimum operating temperature. [District Rule 2201]
13. Excavated solid waste shall be covered using fresh soil, plastic sheeting, or vapor retarding foam as necessary to prevent odorous emissions and to minimize the release of landfill gas. [District Rule 2201]
14. Maintenance is defined as any work performed on the 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 Rule 2201]
15. 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 Rule 2201]
16. During maintenance of the landfill gas collection system or incineration device, emissions of landfill gas shall be minimized during shutdown. [District Rules 2020 and 2201]
17. Emission rates from the flare shall not exceed any of the following limits: 0.05 lb-NO_x/MMBtu; 0.006 lb-VOC/MMBtu; 0.2 lb-CO/MMBtu; 0.05 lb-PM₁₀/MMBtu; or 0.033 lb-SO_x/MMBtu. [District Rule 2201]
18. The total VOC emissions from the landfill gas vapor collection system served by the flare shall not exceed 4.32 pounds in any one day. [District Rule 2201]
19. The permittee shall water the unpaved truck unloading and maneuvering area. [District Rule 2201]
20. Total PM₁₀ emissions from the handling of soil cover shall not exceed 0.0023 lb-PM₁₀/ton of material handled. [District Rule 2201]
21. Total soil cover usage rate shall not exceed 1,997 tons per day. [District Rule 2201]
22. The influent gas flowrate into the control device shall not exceed 1,667 scfm. [District Rule 2201]
23. The flare shall be tested for compliance with the VOC emissions limit at least once every 12 months. [District Rule 2201]
24. Source testing on the flare shall be performed to demonstrate compliance with the flare NO_x and CO limits, and the NMOC/VOC destruction efficiency of 98%, or 20 ppmvd @ 3% O₂ as hexane, as required by this permit; and shall be conducted annually. [District Rules 2201, 1081 and 17 CCR 95464]
25. The operator shall measure daily, in actual cubic feet, the volumetric flow rate of the collected landfill gas entering the flare. [District Rule 2201]
26. Simultaneous grab samples shall be taken at the inlet to the flare and in the exhaust of the control device. The VOC concentrations shall be referenced as methane. [District Rule 2201]
27. The destruction efficiency of the flare shall be calculated using the following equation: $\text{Destruction Efficiency} = [1 - ((a \times b) / (c \times d))] \times 100\%$, where a = measured concentration of VOC in the flare exhaust, b = exhaust flow of flare, c = measured concentration of VOC in the landfill gas entering the flare, and d = inlet flow of flare. [District Rule 2201]
28. The following test methods shall be used for VOC (ppmv) and NMOC (ppmv) - EPA Method 18, EPA Method 25A, 25B, 25C, or ARB Method 100. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

29. Sulfur content of the landfill gas being combusted in the flare shall be determined using ATSM D1072, D3031, D4084, D3246 or double GC for H₂S and mercaptans, or draeger tubes for H₂S, or an equivalent method approved by the District. [District Rule 2201]
30. Source testing for flare NO_x emissions shall be conducted using EPA Method 7E or ARB Method 100. [District Rule 2201]
31. Source testing for flare CO emissions shall be conducted using EPA Method 10 or ARB Method 100. [District Rule 2201]
32. Operator shall determine landfill gas fuel higher heating value annually by ASTM D1826 or D1945 in conjunction with ASTM D3588 for gaseous fuels. [District Rule 2201]
33. During annual source testing, the volumetric flow rate of the flare effluent gases shall be measured using CARB Method 2 or EPA Method 19. [District Rule 2201]
34. The heating value of the process gas shall be determined by using the latest revision of test method ASTM D1826 or ASTM D3588. [District Rule 2201]
35. 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. The results of each source test shall be submitted to the District within 60 days after testing. [District Rules 1081 and 2201]
36. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]
37. Permittee shall operate the flare at all times when the collected gas is routed to it. [District Rule 2201]
38. During maintenance of the gas collection system or incineration device, emissions of landfill gas shall be minimized during shutdown. [District Rule 2201]
39. A non-resettable, totalizing mass or volumetric landfill gas fuel flow meter, or other APCO approved alternative, to measure the amount of gas combusted in the enclosed flare shall be installed, utilized and maintained. [District Rule 2201]
40. Sampling ports adequate for sulfur testing shall be provided in the landfill gas manifold line to the flare. [District Rule 1081]
41. For initial monitoring of collection devices in the expansion area, prior to initial operation, the permittee shall monitor the collectors at least once per quarter for static pressure, percent methane, percent oxygen, and temperature utilizing a District-approved portable landfill gas analyzer. [District Rule 2201]
42. For commissioning of collection devices in the expansion area, collectors shall be commissioned and continually operated if all of the following parameters are met: (1) methane percent 45% or greater; (2) oxygen percent 5% or less; (3) temperature 131 degrees F; and (4) static pressure 5.0 in H₂O or greater. [District Rule 2201]
43. For operation of collection devices in the expansion area, once the collectors are commissioned, the permittee shall monitor the collectors weekly for the first six months of operation and may switch to monthly monitoring thereafter. [District Rule 2201]
44. For surface emissions monitoring, once an area has reached final grade or within 90 days when the LFG system in the area is commissioned, whichever comes first, surface emissions shall not exceed a methane concentration of 500 parts per million above background at the surface of the landfill. [District Rule 2201]
45. For surface emissions monitoring, surface monitoring for the landfill area shall be performed quarterly. If there are any exceedances during a quarterly event, monitoring will be required monthly until three consecutive months without exceedances, which would allow a return to quarterly monitoring. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

46. For surface emissions monitoring, after an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the initial exceedance. If compliance is shown, an additional remonitoring event is required within one month of the initial exceedance. If the ten day event shows an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the second exceedance. If compliance is shown, an additional remonitoring is required within one month of the initial exceedance. If the second ten day event shows an exceedance, the permittee shall permit and install additional landfill gas wells to correct the problem within 120 days of the initial exceedance. The permittee may utilize an alternative corrective action with prior approval from the APCO. [District Rule 2201]
47. For surface emissions monitoring, permittee shall conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at 30-meter intervals (or a site-specific established spacing) and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. [District Rule 2201]
48. For surface emissions monitoring, surface testing shall be performed using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). [District Rule 2201]
49. An amended landfill design capacity report shall be submitted to the District and to US EPA providing notification of an increase in the design capacity of the landfill, within 90 days of an increase in the maximum design capacity of the landfill to or above 2.5 million megagrams and 2.5 million cubic meters. This increase in design capacity may result from an increase in the permitted volume of the landfill or an increase in the density as documented in the annual recalculation required in Section 60.758(f) of 40 CFR 60 Subpart WWW [District Rule 2201 and 40 CFR 60.757(a)(3)]
50. 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 Rule 2201]
51. Landfill owners or operators who convert design capacity from volume to mass or mass to volume to demonstrate that landfill design capacity is less than 2.5 million megagrams or 2.5 million cubic meters, as provided in the definition of "design capacity", shall keep readily accessible, on-site records of the annual recalculation of site-specific density, design capacity, and the supporting documentation. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [40 CFR 60.758(f)]
52. Permittee shall record emission control device source test reports showing VOC destruction/treatment efficiency. [District Rule 2201]
53. Permittee shall maintain average monthly records of landfill gas flow rate to any control device(s) as well as the hours of operation of the control device(s) to show compliance with the daily influent flowrate limit. [District Rule 2201]
54. Landfill collection and control system may be operated intermittently provided the methane emission from the landfill do not exceed instantaneous or integrated limit requirements. [17 CCR 95464]
55. Landfill gas collection system wellheads must be operated under vacuum. Monthly monitoring of wellheads is required. [17 CCR 95464]
56. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. [17 CCR 95464]
57. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464]
58. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
59. 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. [17 CCR 95464]
60. 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]

CONDITIONS CONTINUE ON NEXT PAGE

61. 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]
62. 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]
63. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]
64. 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]
65. 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]
66. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470]
67. 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]
68. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]
69. 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]
70. 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]
71. 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]
72. 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]
73. Permittee may comply with the CARB regulation for landfill methane control measures by using approved alternative compliance options. Documentation of approved alternative compliance options shall be available for inspection upon request. [17 CCR 95468]
74. Permittee shall maintain records of system inspections including: date, time and inspection results. [District Rule 2201]
75. Permittee shall maintain records of maintenance related or other collection system and control device downtime, including individual well shutdown. [District Rule 2201]
76. Permittee shall maintain records of the amount of soil cover in tons/day. [District Rule 2201]
77. The operator shall record emission control device source tests (emissions of CO, NOx, and VOC) in pounds per MMBtu heat input. Operator shall also record VOC destruction/treatment efficiency. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

78. Daily records of the weight of materials received (tons) - including Class II/III waste material, Class II soil cover, and clean soil cover shall be maintained, kept on site for a period of five years, and made available to District staff upon request. [District Rule 2201]
79. A record of continuous flare combustion temperature, continuous volumetric gas flow rate, net heating value of landfill gas being combusted, daily landfill gas fuel consumption, and hourly heat input shall be maintained. [District Rule 2201]
80. Records of calculated landfill and flare VOC emissions shall be maintained. [District Rule 2201]
81. 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]
82. Except for the spreading of landfill cover, when handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% opacity shall also be used. [District Rules 8011 and 8031]
83. When storing bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, all bulk material piles shall also be either maintained with a stabilized surface as defined in Section 3.58 of District Rule 8011, or shall be protected with suitable covers or barriers as prescribed in Table 8031-1, Section B, of District Rule 8031. [District Rules 8011 and 8031]
84. When transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031]
85. All outdoor chutes and conveyors shall be controlled by any of the following options: 1) full enclosure, 2) operation with material sufficiently wetted such that VDE is limited to 20% opacity, or 3) the concentration of particles having an aerodynamic diameter of 10 microns or less in the conveyed material shall be sufficiently small to limit VDE to 20% opacity. [District Rules 8011 and 8031]
86. 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 Rule 8041 or Rule 8011. [District Rules 8041 and 8011]
87. One or more of the following control measures shall be implemented on each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area: water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rules 8071 and 8011]
88. On each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area, dusting materials accumulated on paved surfaces shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rules 8011 and 8071]
89. Whenever any portion of the site becomes inactive, Permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8071 and 8011]
90. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8031, 8071, and 8011]

CONDITIONS CONTINUE ON NEXT PAGE

91. The NMOC emission rate shall be calculated using the equation in 40CFR60.754(a)(1)(i), if the actual year-to-year solid waste acceptance rate is known or the equation in 40CFR60.754(a)(1)(ii), if the actual year-to-year solid waste acceptance rate is unknown. The values for k, Lo, and CNMOC for both equations shall be taken from 40CFR60.754(a)(1), as appropriate. Both equations may be used if the actual year-to-year acceptance rate is known for a part of the landfill life, but unknown for another part of the landfill life. The mass of nondegradable solid waste may be subtracted from the average annual acceptance rate when calculating R, if documentation of the nature and amount of such wastes is maintained. (Tier 1 specifications) [60.754(a)(1) and 60.34c] Federally Enforceable Through Title V Permit
92. If the calculated NMOC emission rate is equal to or greater than 50 megagrams/year, then the landfill owner or operator shall either comply with the requirements of this permit to submit a collection and control design plan and install the system, or determine a site-specific NMOC concentration and recalculate the NMOC emission rate using Tier 2 specifications. [60.754(a)(2)(ii) and 60.34c] Federally Enforceable Through Title V Permit
93. Tier 2 specifications to determine the site-specific NMOC concentration shall include the following: 1) For sampling, at least 2 sample probes shall be installed per hectare of landfill surface that has retained waste for at least 2 years, up to a maximum of 50 required probes. One sample of landfill gas shall be collected from each probe to determine the NMOC concentration, using EPA Method 25C or 18. If EPA Method 18 is used, the minimum list of compounds to be tested shall be those published in the most recent Compilation of AP-42. If composite sampling is used, equal sample volumes are required. All samples taken shall be used in the analysis. The NMOC concentration from Method 25C shall be divided by 6 to convert from C-NMOC, as carbon to as hexane. [60.754(a)(3) and 60.34c] Federally Enforceable Through Title V Permit
94. Tier 2 specifications to determine the site-specific NMOC concentration shall include the following: 1) The NMOC mass emission rate shall be recalculated using the average site-specific concentration, instead of the default value, 2) If the resulting calculated mass emission rate is equal to or greater than 50 megagrams/year, the landfill owner or operator shall either comply with 60.752(b)(2), or determine a site-specific methane generation rate constant and recalculate the NMOC emission rate using Tier 3 specifications. [60.754(a)(3)(i)&(ii) and 60.34c] Federally Enforceable Through Title V Permit
95. If the calculated NMOC mass emission rate, using the site-specific NMOC concentration, is less than 50 megagrams/year, then a periodic estimate of the emission rate report, pursuant to 60.757(b)(1) shall be submitted to the Administrator. The site-specific NMOC concentration shall be retested every 5 years, using Tier 2 specifications. [60.754(a)(3)(iii) and 60.34c] Federally Enforceable Through Title V Permit
96. Tier 3 specifications to determine the site-specific methane generation rate constant shall include the following: 1) EPA Method 2E shall be used, 2) The NMOC mass emission rate shall be recalculated using the average site-specific NMOC concentration and the site-specific methane generation rate constant k, instead of the default values in 40 CFR 60(a)(1), and 3) If the resulting calculated NMOC mass emission rate is equal to or greater than 50 megagrams/year, the landfill owner or operator shall comply with 60.752(b)(2). [60.754(a)(4) and (i) and 60.34c] Federally Enforceable Through Title V Permit
97. If Tier 3 specifications are used to determine the site-specific methane generation rate and the calculated NMOC mass emission rate is less than 50 megagrams/year, then a periodic emission rate report shall be submitted to the Administrator, pursuant to 60.757(b)(1) and the NMOC concentration shall be recalculated annually, pursuant to 60.757(b)(1), using the site-specific methane generation rate constant and the NMOC concentration obtained using Tier 2 specifications. Determination of the site-specific methane generation rate constant is performed once and used in all subsequent annual NMOC emission rate calculations. [60.754(a)(4)(ii) and 60.34c] Federally Enforceable Through Title V Permit
98. For PSD purposes, the NMOC emission rate shall be estimated and compared to the PSD major source and significance levels in 40 CFR 51.166 or 52.21, using AP-42 or EPA-approved procedures. [60.754(c) and 60.34c] Federally Enforceable Through Title V Permit
99. The NMOC emission rate shall be recalculated and reported to the APCO annually, except as otherwise provided in this permit, until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams/year and a collection and control system is installed or until the landfill is closed. [40 CFR 60.752(b)(1), 60.754(a), 60.757(b), 60.34c and 60.35c] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

100. If the NMOC emission rate, as reported in the annual report is less than 50 megagrams/year in each of the next 5 consecutive years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual reports for those 5 years. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years. All data and calculations upon which this estimate is based shall be provided to the APCO. This estimate shall be revised at least once every 5 years. [60.757(b)(1)(ii) and 60.35c] Federally Enforceable Through Title V Permit
101. If the actual waste acceptance rate exceeds the estimated rate used in any year reported in a 5-year estimate of the NMOC emission rate, then a revised 5-year estimate shall be submitted to the APCO. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated acceptance rate. [40 CFR 60.757(b)(1)(ii) and 60.35c] Federally Enforceable Through Title V Permit
102. The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions. [40 CFR 60.757(b)(2) and 60.35c] Federally Enforceable Through Title V Permit
103. If the owner or operator elects to recalculate the NMOC emission rate using Tier 2 specifications and the resulting NMOC emission rate is less than 50 megagrams/year, annual periodic reporting shall resume. The revised NMOC emission rate report, with the recalculated NMOC emission rate using Tier 2 specifications, shall be submitted within 180 days of the first Tier 1 calculated exceedance of 50 megagrams/year. [40 CFR 60.757(c)(1) and 60.35c] Federally Enforceable Through Title V Permit
104. If the owner or operator elects to recalculate the NMOC emission rate using Tier 3 specifications and the resulting NMOC emission rate is less than 50 megagrams/year, annual periodic reporting shall resume. The revised NMOC emission rate report, with the recalculated NMOC emission rate using Tier 3 specifications, shall be submitted within 1 year of the first Tier 1 calculated exceedance of 50 megagrams/year. [40 CFR 60.757(c)(2) and 60.35c] Federally Enforceable Through Title V Permit
105. 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. [60.758(a), 60.35c and District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
106. This operating permit may be cancelled with APCO approval when the landfill 1) is closed, pursuant to the requirements of this permit, 2) never needed control, and 3) is not otherwise subject to the requirements of part 40 CFR 70. [40 CFR 60.32c(d) and 60.752(b)] Federally Enforceable Through Title V Permit
107. If the landfill is permanently closed, a closure notification shall be submitted to the APCO within 30 days of waste disposal cessation. A permanent closure must take place in accordance with 40 CFR 258.60. If a closure report has been submitted, no additional waste may be placed in the landfill without filing a notification of modification to the APCO, pursuant to 40 CFR 60.7(a)(4). [40 CFR 60.752(b)(1)(ii)(B), 60.757(d) and 60.35c] Federally Enforceable Through Title V Permit
108. If the calculated NMOC is equal to or greater than 50 megagrams/year, the owner or operator shall submit a collection and control system design plan, pursuant to 40 CFR 60.752(b)(2)(i) and prepared by a professional engineer, to the APCO within 1 year of that determination. [40 CFR 60.752(b)(2)(i) and 60.36c(b)] Federally Enforceable Through Title V Permit
109. If the calculated NMOC is equal to or greater than 50 megagrams/year, the owner or operator shall install a collection and control system, that effectively captures the gas generated within the landfill, within 30 months of that determination. This operating permit must be modified accordingly to show compliance with 40 CFR 60, Subpart Cc requirements applicable to a MSWL with a collection and control system. [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.34c and 60.36c(b)] Federally Enforceable Through Title V Permit
110. If a gas collection and control system is installed, it shall comply with the operational standards of 40 CFR 60.753, the compliance provisions of 40 CFR 60.755, the monitoring provisions of 40 CFR 60.756, the reporting and recordkeeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.34c; 40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758, and 60.759] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

111. Compliance with permit conditions in the Title V permit shall be deemed compliance with EPA-approved State Plan for implementing 40 CFR 60, Subpart Cc. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
112. The issuance of this permit has met the procedural requirements of 40 CFR part 70. This permit shall be converted to a Title V operating permit and these conditions shall become federally enforceable through administrative amendment, upon approval of the State plan to implement the Emission Guidelines. [District Rule 2520, 3.2; 40 CFR 60.32c(c) and 60.33c(a)] Federally Enforceable Through Title V Permit