

January 18, 2022

Ms. Stacie Guzman  
Highway 59 Landfill Site  
7040 N Highway 59  
Merced, CA 95348

**Re: Notice of Preliminary Decision – Title V Permit Renewal**  
**Facility Number: N-3696**  
**Project Number: N-1203896**

Dear Ms. Guzman:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Highway 59 Landfill Site at 7040 N Highway 59 in Merced, California.

The notice of preliminary decision for this project has been posted on the District's website ([www.valleyair.org](http://www.valleyair.org)). After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the renewed Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

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

Sincerely,



Brian Clements  
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email  
cc: Laura Yannayon, EPA (w/enclosure) via EPS

**Samir Sheikh**  
Executive Director/Air Pollution Control Officer

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**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation  
HIGHWAY 59 LANDFILL SITE  
N-3696**

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**TITLE V PERMIT RENEWAL EVALUATION**  
**Municipal Solid Waste Landfill**

**Engineer:** Mungi Hong  
**Date:** January 18, 2021

**Facility Number:** N-3696  
**Facility Name:** Highway 59 Landfill Site  
**Mailing Address:** 7040 N Highway 59  
Merced, CA 95348

**Contact Name:** Patrick Womble  
**Phone:** (209) 723-4481

**Consultant:** Cassandra Drotman  
**Phone:** (562) 426-9544

**Responsible Official:** Stacie Guzman  
**Title:** Executive Director

**Project # :** N-1203896  
**Deemed Complete:** September 15, 2020

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**I. PROPOSAL**

Highway 59 Landfill Site was issued its last renewed Title V permit on May 25, 2017. As required by District Rule 2520, the applicant has applied to renew their Title V permit. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the previously renewed Title V permit.

According to EPA policy, annual emission limits must be practically enforceable, and goes on to say that to be practically enforceable, annual limits must be enforced on a short-term basis.

The District has developed conditions regarding practically enforceable annual emission and throughput limits. Therefore, the conditions that have been modified and/or added to the permits at this facility are listed in the following table:

Permit Unit	Condition #
N-3696-2-14	35 and 57
N-3696-5-2	14

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

## II. FACILITY LOCATION

Highway 59 Landfill Site is located at 7040 N Highway 59 in Merced, CA.

## III. EQUIPMENT LISTING

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

## IV. GENERAL PERMIT TEMPLATE USAGE

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

### A. Template SJV-UM-0-3 Facility Wide Umbrella

The applicant has requested to utilize template No. SJV-UM-0-3, Facility Wide Umbrella. Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

## V. SCOPE OF EPA AND PUBLIC REVIEW

Certain segments of the proposed Renewed 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 N-3696-0-3.

## **VI. FEDERALLY ENFORCEABLE REQUIREMENTS**

### **Rules Addressed by General Permit Template**

- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2020, Exemptions (amended December 18, 2014)<sup>1</sup>
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications, Section 7.0 (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits, Sections 5.2, 9.1.1, 9.4, 9.5, 9.7, 9.8, 9.9, 9.13.1, 9.13.2, 9.16, 10.0 (amended June 21, 2001 ⇒ amended August 15, 2019)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 8021, Construction, Demolition Excavation, Extraction, and Other Earthmoving Activities (amended August 19, 2004)
- District Rule 8031, Bulk Materials (amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Open Areas (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended September 16, 2004)

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<sup>1</sup> The amendments made to this rule on August 18, 2011 and December 18, 2014 have no impact on this source; therefore, Template SJV-UM-03 is still valid for this project.

- 40 CFR Part 61, Subpart M, National Emission Standards for Asbestos (amended July 20, 2004)

## **Rules Not Addressed by General Permit Template**

### **A. Rules Updated or Evaluated**

- District Rule 2201, New and Modified Stationary Source Review Rule (amended February 18, 2016 ⇒ amended August 15, 2019)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001 ⇒ amended August 15, 2019)
- District Rule 4311, Flares (amended June 18, 2009 ⇒ amended December 17, 2020)
- District Rule 4601, Architectural Coatings (amended December 17, 2009 ⇒ amended April 16, 2020)
- District Rule 4702, Internal Combustion Engines (amended November 14, 2013 ⇒ amended August 19, 2021)
- 40 CFR Part 60, Subpart Cc, Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (amended February 24, 1999)
- 40 CFR Part 60, Subpart Cf, Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (adopted August 29, 2016 ⇒ amended March 26, 2020)
- 40 CFR Part 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills (amended September 21, 2006 ⇒ amended March 26, 2020)
- 40 CFR Part 60, Subpart XXX, Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014 (adopted August 29, 2016 ⇒ amended October 7, 2020)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended February 27, 2014 ⇒ amended June 29, 2021)

- 40 CFR Part 62, Subpart GGG, Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction Prior to May 30, 1999 and Have Not Been Modified or Reconstructed Since May 30, 1991 (amended November 8, 1999)
- 40 CFR Part 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (adopted January 16, 2003 ⇒ amended October 13, 2020)
- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended February 27, 2017 ⇒ December 19, 2020)
- 40 CFR Part 64, Compliance Assurance Monitoring (amended October 22, 1997)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended June 25, 2013 ⇒ amended March 24, 2021)
- 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction (June 25, 2013 ⇒ amended April 10, 2020)

#### **B. Rules Removed**

There are no applicable rules that were removed since the last Title V renewal.

#### **C. Rules Added**

- 40 CFR Part 62, Subpart OOO, Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014 (adopted May 21, 2021)

#### **D. Rules Not Updated**

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4621, Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants (amended December 19, 2013)

- District Rule 4622, Gasoline Transfer into Motor Vehicle Fuel Tanks (amended December 19, 2013)
- District Rule 4642, Solid Waste Disposal Sites (amended April 16, 1998)
- District Rule 4651, Soil Decontamination Operations (amended September 20, 2007)

## **VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE**

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

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

### **Rules Addressed by General Permit Template**

- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2040, Applications (amended December 17, 1992)

### **Rules Not Addressed by General Permit Template**

#### **A. Rules Added/Updated**

There are no rules that are not federally enforceable being added or updated at this time.

#### **B. Rules Not Updated**

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

The purpose of this rule is to protect the health and safety of the public, and this rule applies to any source operation which emits or may emit air contaminants or other materials. The following conditions are based on this rule and are not federally enforceable through Title V.



Permit Unit	Condition #
N-3696-0-3	41
N-3696-5-2	2

- **District Rule 4801, Sulfur Compounds (amended December 17, 1992)**

The purpose of this rule is to limit the emissions of sulfur compounds. The following condition is based on this rule.

Permit Unit	Condition #
N-3696-5-2	4

However, this condition is also required to demonstrate compliance with District Rule 2201, 40 CFR Part 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ, which are Federally Enforceable requirements. Therefore, Condition 4 of permit unit N-2253-5-2 is federally enforceable through Title V.

- **California Code of Regulation, Title 17, Division 3, Chapter 1, Subchapter 10, Article 4, Subarticular 6, §95460 through §95476 - Methane Emissions from Municipal Solid Waste Landfills (adopted June 17, 2010)**

The purpose of this subarticle is to reduce methane emissions from municipal solid waste (MSW) landfills pursuant to the California Global Warming Solutions Act of 2006 (Health & Safety Code, Sections 38500 et. seq.). The following conditions are based on this regulation and are not federally enforceable through Title V.

Permit Unit	Condition #
N-3696-2-14	31, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, and 89

- **California Code of Regulation, Title 17, Division 3, Chapter 1, Subchapter 7.5, §93115 - Airborne Toxic Control Measures for Stationary Compression Ignition (CI) Engines (amended May 19, 2011)**

The purpose of this airborne toxic control measure (ATCM) is to reduce diesel particulate matter (PM) and criteria pollutant emissions from stationary diesel-fueled compression ignition (CI) engines. The following conditions are based on this regulation.

Permit Unit	Condition #
N-3696-5-2	3, 4, 5, 6, 11, 12, 13, and 14

#### Conditions 3, 11, and 14

These conditions are also required to demonstrate compliance with District Rule 4702, 40 CFR Part 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ, which are Federally Enforceable requirements. Therefore, Conditions 3, 11, and 14 of permit unit N-2253-5-2 are federally enforceable through Title V.

#### Conditions 4, 5, and 6

These conditions are also required to demonstrate compliance with District Rule 2201, 40 CFR Part 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ, which are Federally Enforceable requirements. Therefore, Conditions 4, 5, and 6 of permit unit N-2253-5-2 are federally enforceable through Title V.

#### Conditions 12

This condition is also required to demonstrate compliance with District Rules 2201 and 4702, 40 CFR Part 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ which are Federally Enforceable requirements. Therefore, Condition 12 of permit unit N-2253-5-2 is federally enforceable through Title V.

#### Conditions 13

This condition is also required to demonstrate compliance with District Rule 4702 which is Federally Enforceable requirement. Therefore, Condition 13 of permit unit N-2253-5-2 is federally enforceable through Title V.

## **VIII. PERMIT REQUIREMENTS**

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

### **A. District Rule 2201 - New and Modified Stationary Source Review Rule**

District Rule 2201 has been amended since this facility's Title V permit was last issued. However, the requirements of this rule are only triggered when a source installs new equipment and/or undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit. Therefore, the updated requirements of this rule are not applicable at this time.

## **B. District Rule 2520 - Federally Mandated Operating Permits**

District Rule 2520 has been amended since this facility's Title V permit was last renewed. The amendments to this rule were administrative, relating only to the notification procedures for Title V permit modifications that are required to go through a public notice. The amendments to this rule did not have any effect on current permit requirements and will therefore not be addressed further in this evaluation. However, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

### Greenhouse Gas Discussion

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40 CFR Part 98) is not included in the definition of an applicable requirement within Title V (per 40 CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

## **C. District Rule 4311 – Flares**

Upon last amendment of District Rule 4311 on December 17, 2020, the flare in this project became subject to this rule. However, the amended rule is not SIP-approved by EPA, and the previous version of this rule (amended June 18, 2009) is SIP-approved but was not applicable to the flare<sup>2</sup>.

The amended rule requires landfills to submit an Authority to Construct (ATC) application by July 1, 2022 to comply with Section 5.9 of this rule. Also, beginning of January 1, 2024, other applicable monitoring, recordkeeping, reporting requirements will take effect. Currently, the flare in this project is in compliance with Rule 4311, and the facility will submit an ATC application by July 1, 2022.

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

District Rule 4601 was amended on April 16, 2020. However, the amended rule is not SIP-approved by EPA. The previous version of this rule (amended December 17, 2009) is SIP-approved and is addressed by the District's facility-wide umbrella template. Therefore, template SJV-UM-0-3 is still valid for this project.

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<sup>2</sup> Section 4.2 of District Rule 4311 (June 18, 2009) states flares that are subject to the requirements of 40 CFR 60 Subpart WWW are exempt from this rule. At the time of this Title V renewal application submittal, the flare in this facility was subject to the requirements of 40 CFR 60 Subpart WWW.

**E. District Rule 4702 – Internal Combustion Engines**

District Rule 4702 was amended on August 19, 2021. However, the amended rule is not SIP-approved by EPA. The previous version of this rule (amended November 14, 2013) is SIP-approved and was addressed by the District's previous permit renewal (N-1153199). Therefore, changes to the rule do not affect the current permit.

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

This subpart contains emission guidelines and compliance times for the control of certain designated pollutants from certain designated municipal solid waste landfills in accordance with section 111(d) of the Act and subpart B.

The designated facility to which the guidelines apply is each existing MSW landfill for which construction, reconstruction or modification was commenced before May 30, 1991. Therefore, this facility is subject to this subpart.

However, as of June 21, 2021, landfills previously subject to Subparts Cc are now subject to Subpart OOO Federal Plan Requirements for Municipal Solid Waste Landfills. Since this facility was subject to Subpart Cc and now subject to Subpart OOO instead, this subpart is no longer applicable.

**G. 40 CFR Part 60, Subpart Cf – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills**

This subpart establishes Emission Guidelines (EG) and compliance times for the control of designated pollutants from certain designated municipal solid waste (MSW) landfills in accordance with section 111(d) of the Clean Air Act and subpart B of this part.

The designated facility to which these Emission Guidelines apply is each existing MSW landfill for which construction, reconstruction, or modification was commenced on or before July 17, 2014. The facility has commenced construction, reconstruction, or modification on or before July 17, 2014; therefore, this subpart is subject to this facility.

On May 25, 2017, California Air Resources Board (CARB) submitted a state plan, which is the Landfill Methane Regulation (LMR), to implement the EPA's Emissions Guidelines (EG) contained in this subpart. However, the EPA partially approved and partially disapproved the California state plan. In addition, as of June 21, 2021, landfills previously subject to Subparts Cf are now subject to Subpart OOO Federal Plan Requirements for Municipal Solid

Waste Landfills. Since this facility was subject to Subpart Cf and now subject to Subpart OOO instead, this subpart is no longer applicable.

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

The provision of this subpart apply to each municipal solid waste landfill that commenced construction, reconstruction, or modification on or after May 30, 1991, but before July 18, 2014.

As of June 21, 2021, landfills previously subject to 40 CFR 60 Subpart WWW are now subject to 40 CFR 62 Subpart OOO Federal Plan Requirements for Municipal Solid Waste Landfills. Since this facility was subject to 40 CFR 60 Subpart WWW and now subject to 40 CFR 62 Subpart OOO instead, this subpart is not applicable. Therefore, the conditions in the table below, which are based on this subpart, are not federally enforced by this subpart any longer.

However, as seen above, this facility is now subject to 40 CFR 62 Subpart OOO, and the major provisions of this subpart are retained in 40 CFR 62 Subpart OOO; therefore, the following conditions will be revised to reflect applicable provisions of 40 CFR 62 Subpart OOO and 40 CFR 63 Subpart AAAA.

Permit	Condition #
N-3696-2-13	9, 10, 11, 12, 13, 14, 17, 27, 28, 30, 46, 59, and 61

**I. 40 CFR Part 60, Subpart XXX – Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014**

The provisions of this subpart apply to each municipal solid waste landfill that commenced construction, reconstruction, or modification after July 17, 2014. The facility has not been commenced construction, reconstruction, or modification after July 17, 2014. Therefore, this subpart does not apply and no further discussion is required.

**J. 40 CFR Part 60, Subpart IIII – Standards of Performance for Compression Ignition Internal Combustion Engines**

The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section.

Although this subpart was amended in 2016, the 2016 amendments to this subpart were not evaluated when the facility was issued its last renewed Title permit in 2017.

However, the 2016 amendments to this subpart do not have any effect on current permit requirements and will therefore not be addressed further in this evaluation.

The following conditions on the draft renewed permit are a mechanism to ensure compliance with the requirements of this subpart:

Permit	Condition #
N-3696-5-2	3, 4, 5, 6, 7, 11, 12, and 14

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

This subpart contains emission requirements and compliance schedules for the control of designated pollutants from certain municipal solid waste landfills in accordance with section 111(d) of the Clean Air Act and 40 CFR part 60, subpart B.

The facility has been modified since May 30, 1991; therefore, this subpart does not apply and no further discussion is required.

**L. 40 CFR Part 62, Subpart OOO – Federal Plan Requirements for Municipal Solid Waste Landfill That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014**

This subpart establishes emission control requirements and compliance schedules for the control of designated pollutants from certain designated municipal solid waste (MSW) landfills in accordance with section 111(d) of the Clean Air Act and subpart B of 40 CFR part 60.

On May 21, 2021, the USEPA published a Federal plan, which became effective on June 21, 2021, to implement the EG and Compliance Times for MSW Landfills for existing MSW landfills located in states where state plans are not in effect. Since the California state plan has not been fully approved, as discussed above, this landfill became subject to Subpart OOO as of June 21, 2021.

Section 14352(f) states when a municipal solid waste landfill subject to this subpart is closed, the owner or operator is no longer subject to the requirement to maintain an operating permit under part 70 or 71 of this chapter for the landfill if the landfill is not otherwise subject to the requirements of either part 70 or 71 and if either of the following conditions are met:

- The landfill was never subject to the requirement for a control system under § 62.14353 of this subpart; or
- The owner or operator meets the conditions for control system removal specified in 40 CFR 63.1957(b).

The following condition (#26) was revised to remove Subpart WWW and add Subpart OOO references on the draft renewed permit.

- This operating permit may be cancelled with APCO approval when the landfill is closed, pursuant to the requirements of this permit, if the landfill is not otherwise subject to the requirements of either 40 CFR part 70 or part 71 and if either 1) it was never subject to the requirement to install and operate a gas collection and a control system under 40 CFR 62.16714; or 2) the owner or operator meets the conditions for control system removal specified in 40 CFR 62.16714(f). [40 CFR 62.16711(f)]

Section 62.16718(c) states when calculating emissions for Prevention of Significant Deterioration (PSD) purposes, the owner or operator of each MSW landfill subject to the provisions of this subpart must estimate the NMOC emission rate for comparison to the Prevention of Significant Deterioration major source and significance levels in §§ 51.166 or 52.21 of this chapter using Compilation of Air Pollutant Emission Factors, Volume I: Stationary Point and Area Sources (AP-42) or other approved measurement procedures. The following revised condition (#28) will be placed on the draft renewed permit.

- 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. [40 CFR 62.16718(c)]

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

Before September 28, 2021, all landfills described in Section 63.1935 of this subpart was required to meet the provisions of 40 CFR part 60 Subpart WWW.

On September 27, 2021, all landfills described in Section 63.1935 must meet the requirements of this subpart and the facility is subject to this subpart. This subpart superseded the major provisions of the California Emissions Guidelines rule and 40 CFR 62 Subpart OOO. During this Title V renewal, the provisions of 40 CFR 63 Subpart AAAA will be integrated in to the permit.

Pursuant to Section 63.1930(b), beginning no later than September 27, 2021, all landfills described in Section 63.1935 must meet the requirements of this subpart. The requirements of this subpart apply at all times, including during periods of startup, shutdown, and malfunction (SSM), and the SSM requirements of the General Provisions of this part do not apply.

Pursuant to Section 63.1935(a), if the owner or operator of an Municipal Solid Waste (MSW) landfill that has accepted waste since November 8, 1987, or has additional capacity for waste deposition and meets any one of the three criteria in paragraphs (a)(1) through (3) of this section:

- Section 63.1935(a)(1) Your MSW landfill is a major source as defined in § 63.2 of subpart A.
- Section 63.1935(a)(2) Your MSW landfill is collocated with a major source as defined in § 63.2 of subpart A.
- Section 63.1935(a)(3) Your MSW landfill is an area source landfill that has a design capacity equal to or greater than 2.5 million megagrams (Mg) and 2.5 million cubic meters (m<sup>3</sup>) and has estimated uncontrolled emissions equal to or greater than 50 megagrams per year (Mg/yr) NMOC as calculated according to § 63.1959.

The following new condition (#15) will be placed on the draft renewed permit.

- The owner or operator shall comply with the requirements of 40 CFR 63, Subpart AAAA. The requirements of this subpart apply at all time, including during periods of startup, shutdown, and malfunction (SSM), and the SSM requirements of the General Provisions of this part do not apply. [40 CFR 63.1930(b), 40 CFR 63.1935, and 63.1955(a)]

Section 63.1958(d)(1) requires each owner or operator of an MSW landfill with a gas collection and control system used to comply with the provisions of Section 63.1957 operate the collection system so that the methane concentration is less than 500 parts per million (ppm) above background at the surface of the landfill. Therefore, the following revised condition (#11) will be placed on the draft renewed permit.



- The collection system shall be operated such that the methane concentration is less than 500 parts per million above background at the surface of the landfill. Compliance with this surface methane operational standard shall be demonstrated using the procedures outlined in 40 CFR 63.1960(c) within 180 days of installation and startup of the collection and control system and quarterly thereafter. [40 CFR 63.1958(d), 40 CFR 63.1960(c), and 40 CFR 60.8]

Section 63.1958(e)(1) requires each owner or operator of an MSW landfill with a gas collection and control system used to comply with the provisions of Section 63.1957 operate the system in accordance to § 63.1955(c) such that all collected gases are vented to a control system designed and operated in compliance with § 63.1959(b)(2)(iii). In the event the collection or control system is not operating:

- (i) The gas mover system must be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere must be closed within 1 hour of the collection or control system not operating; and
- (ii) Efforts to repair the collection or control system must be initiated and completed in a manner such that downtime is kept to a minimum, and the collection and control system must be returned to operation.

The following revised condition (#10) will be placed on the draft renewed permit.

- In the event that the collection or control system becomes inoperable, the gas mover equipment (as defined in 40 CFR 63.1990) shall be shut down and all valves in the collection and control system contributing to venting of the landfill gas to the atmosphere shall be closed within one hour. Efforts to repair the collection or control system must be initiated and completed in a manner such that downtime is kept to a minimum, and the collection and control system must be returned to operate. [40 CFR 63.1958(e)]

Section 63.1959(b)(1)(ii)(B) states if the landfill is permanently closed, a closure report must be submitted to the Administrator as provided for in § 63.1981(f). The following revised condition (#25) will be placed on the draft renewed permit.

- 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, as described under 40 CFR 63.9(b). [40 CFR 63.1959(b)(1)(ii)(B) and 63.1981(f)]

Section 63.1959(b)(2) states if the calculated NMOC emission rate is equal to or greater than 50 Mg/yr using Tier 1, 2, or 3 procedures, the owner or operator must either:

- Submit a collection and control system design plan prepared by a professional engineer to the Administrator within 1 year as specified in § 63.1981(d) or calculate NMOC emissions using the next higher tier in paragraph (a) of this section. The collection and control system must meet the requirements in paragraphs (b)(2)(ii) and (iii) of this section.
- Collection system. Install and start up a collection and control system that captures the gas generated within the landfill as required by paragraphs (b)(2)(ii)(B) or (C) and (b)(2)(iii) of this section within 30 months after:
- Control system. Route all the collected gas to a control system that complies with the requirements in either paragraph (b)(2)(iii)(A), (B), or (C) of this section.

Therefore, the following revised conditions (#14 and 9) will be placed on the draft renewed permit.

- The landfill gas collection and control system shall comply with the operational standards of 40 CFR 63.1958, the compliance provisions of 40 CFR 63.1960, the monitoring provisions of 40 CFR 63.1961, the reporting and record keeping requirements of 40 CFR 63.1981 and 63.1983, and the requirements of 40 CFR 63.1962 (for active collection systems). [40 CFR 63.1959(b)(2)(ii), 63.1958, 63.1960, 63.1961, 63.1981, 63.1983, and 60.1962]
- The owner/operator shall install, maintain, and operate a collection and control system that captures gas generated from the landfill and routes it to a control system that complies with the requirements of 40 CFR 63.1959(b)(2)(iii). [40 CFR 63.1959(b)(2)]

Section 63.1559(d) states for the performance test required in § 63.1959(b)(2)(iii)(B), EPA Method 25 or 25C (EPA Method 25C of appendix A-7 to part 60 of this chapter may be used at the inlet only) of appendix A of this part must be used to determine compliance with the 98 weight-percent efficiency or the 20- ppmv outlet concentration level, unless another method to demonstrate compliance has been approved by the Administrator as provided by § 63.1981(d)(2). Also, this section states EPA Method 18 may be used in conjunction with EPA Method 25A on a limited basis (compound specific, e.g., methane). Therefore, the following revised condition (#44) will be placed on the draft renewed permit.

- Flare NMOC emissions shall be conducted using USEPA Test Method 18, 25A, or 25C. [District Rule 1081 and 40 CFR 63.1959(d)]

Section 60.1960(c) states procedures specified in Sections 60.1960(c)(1) through (c)(5) must be used for compliance with the surface methane operational standard as provided in § 63.1958(d). The following revised condition (#11) will be placed on the draft renewed permit.

- The collection system shall be operated such that the methane concentration is less than 500 parts per million above background at the surface of the landfill. Compliance with this surface methane operational standard shall be demonstrated using the procedures outlined in 40 CFR 63.1960(c) within 180 days of installation and startup of the collection and control system and quarterly thereafter. [40 CFR 63.1958(d), 40 CFR 63.1960(c), and 40 CFR 60.8]

Section 60.1960(e)(2) states once an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the operational standard in § 63.1958(e)(1), the provisions of this subpart apply at all times, including periods of SSM. During periods of SSM, you must comply with the work practice requirement specified in § 63.1958(e) in lieu of the compliance provisions in § 63.1960. The following revised condition (#12) will be placed on the draft renewed permit.

- The collection and control system shall comply with all applicable provisions of 40 CFR 63 Subpart AAAAA at all times including periods of startup, shutdown, or malfunction. During periods of startup, shutdown, or malfunctions, you must comply with the work practice requirement specified in 40 CFR 63.1958(e) in lieu of the compliance provisions in 40 CFR 63.1960. [40 CFR 63.1960(e)(2)]

Section 60.1961(c)(2) states each owner or operator seeking to comply with § 63.1959(b)(2)(iii) using a non-enclosed flare must install, calibrate, maintain, and operate according to the manufacturer's specifications a device that records flow to the flare and bypass of the flare (if applicable). The owner or operator must

- Install, calibrate, and maintain a gas flow rate measuring device that records the flow to the control device at least every 15 minutes; and
- Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism must be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

The following revised condition (#13) will be placed on the draft renewed permit.

- The owner/operator shall install, calibrate, maintain, and operate a device that records flow to or bypass of the control device. This device may be a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes, and is also capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. Alternatively, this device may secure the bypass line valve in the closed position and shall be inspected at least once every month to ensure that the valve is maintained in the closed position. [40 CFR 63.1961(c)(2)]

Section 63.1981 requires the owner or operator to submit the reports specified in this section and the reports specified in Table 1 to this subpart. The following new condition (#58) will be placed on the draft renewed permit.

- The owner or operator shall submit the reports as specified in this section and the reports specified in Table 1 to Subpart AAAA of Part 63 - Applicability of NESHAP General Provisions to Subpart AAAA. If you have previously submitted a design capacity report, amended design capacity report, initial NMOC emission rate report, initial or revised collection and control system design plan, closure report, equipment removal report, or initial performance test under 40 CFR part 60, subpart WWW; 40 CFR part 60, subpart XXX; or a federal plan or EPA-approved and effective state plan or tribal plan that implements either 40 CFR part 60, subpart Cc or 40 CFR part 60, subpart Cf, then that submission constitutes compliance with the design capacity report in 63.1981(a), the amended design capacity report in 63.1981(b), the initial NMOC emission rate report in 63.1981(c), the initial collection and control system design plan in 63.1981(d), the revised design plan in 63.1981(e), the closure report in 63.1981(f), the equipment removal report in 63.1981(g), and the initial performance test report in 63.1981(i). You do not need to re-submit the report(s). However, you must include a statement certifying prior submission of the respective report(s) and the date of submittal in the first semi-annual report required in 40 CFR 63.1981. [40 CFR 63.1981]

Section 63.1981(f) states each owner or operator of a controlled landfill must submit a closure report to the Administrator within 30 days of waste acceptance cessation. The Administrator may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of § 258.60 of this chapter. The following revised conditions (# 25 and 14) will be placed on the draft renewed permit.

- 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, as described under 40 CFR 63.9(b). [40 CFR 63.1959(b)(1)(ii)(B) and 63.1981(f)]
- The landfill gas collection and control system shall comply with the operational standards of 40 CFR 63.1958, the compliance provisions of 40 CFR 63.1960, the monitoring provisions of 40 CFR 63.1961, the reporting and record keeping requirements of 40 CFR 63.1981 and 63.1983, and the requirements of 40 CFR 63.1962 (for active collection systems). [40 CFR 63.1959(b)(2)(ii), 63.1958, 63.1960, 63.1961, 63.1981, 63.1983, and 60.1962]

Section 63.1981(h) states the owner or operator of a landfill seeking to comply with Section 63.1959(b)(2) using an active collection system designed in accordance with Section 63.1959(b)(2)(ii) must submit to the Administrator semi-annual reports. The following revised condition (#59) will be placed on the draft renewed permit.

- The owner or operator shall keep records and reports as specified in 40 CFR 63 subpart AAAA, except that the owner or operator shall submit the semi-annual report described in 40 CFR 63.1981(h) every 6 months. [40 CFR 63.1981(h)]

Section 63.1983 requires each owner or operator to keep records as specified in this subpart and records as specified in the general provision of 40 CFR 63 as shown in Table 1 to this subpart. The following revised conditions (#57, 60, and 14) will be placed on the draft renewed permit.

- Each owner or operator shall keep at least 5 years up-to-date, readily accessible, on-site records of the design capacity report that triggered Section 63.1959(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate based on a rolling 12-month average. [District Rule 2520 and 40 CFR 63.1983(a)]
- All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. Off-site records may be maintained if they are retrievable within 4 hours. [District Rule 1070 and 40 CFR 63.1983(a)]

- The landfill gas collection and control system shall comply with the operational standards of 40 CFR 63.1958, the compliance provisions of 40 CFR 63.1960, the monitoring provisions of 40 CFR 63.1961, the reporting and record keeping requirements of 40 CFR 63.1981 and 63.1983, and the requirements of 40 CFR 63.1962 (for active collection systems). [40 CFR 63.1959(b)(2)(ii), 63.1958, 63.1960, 63.1961, 63.1981, 63.1983, and 60.1962]

**N. 40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

This subpart establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

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

The following conditions on the draft renewed permit are a mechanism to ensure compliance with the requirements of this subpart:

Permit	Condition #
N-3696-5-2	3, 4, 5, 6, 7, 11, 12, and 14

**O. 40 CFR Part 64 - Compliance Assurance Monitoring (CAM)**

40 CFR Part 64 requires Compliance Assurance Monitoring for units that meet the following three criteria:

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

Pollutant	Major Source Threshold (lb/year)
NO <sub>x</sub>	20,000
SO <sub>x</sub>	140,000
PM <sub>10</sub>	140,000
CO	200,000
VOC	20,000

a. N-3696-1: GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON INSULATED STEEL TANK INSTALLED ABOVEGROUND GASOLINE STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-162), STANDING LOSS CONTROL (VR-301-F), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162)

1) This permit unit does not contain any emissions limit. Therefore, it is not subject to CAM requirements.

b. N-3696-2: MUNICIPAL SOLID WASTE LANDFILL (120.9 ACRES), INCLUDING LANDFILL GAS COLLECTION SYSTEM WITH GAS EXTRACTION BLOWER, COLLECTION PIPING NETWORK, GAS/LIQUID SEPARATOR, AND CONTROLLED BY AN ENCLOSED GROUND LEVEL FLARE WITH CARBON ADSORPTION UNIT AS BACKUP

1) According to 40 CFR 64.2 (b)(1)(i), emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act are exempt from the requirements of this part. Pursuant to Section 64.1, emission limitations or standard means any applicable requirement that constitutes an emission limitation, emission standard, standard of performance or means of emission limitation as defined under the Act.

This municipal solid waste landfill is subject to the requirements of 40 CFR 62, Subpart OOO, Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014, which was proposed after November 15, 1990. Therefore, this permit is not subject to CAM requirements.

c. N-3696-5: 130 BHP CATERPILLAR MODEL # C4.4 DIESEL-FIRED TIER III CERTIFIED EMERGENCY STANDBY IC ENGINE TO POWER AN ELECTRICAL GENERATOR

1) This permit unit contains an emissions limit for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC emissions.

2) This permit unit does not have any add-on controls; therefore, it is not subject to CAM requirements.

**P. 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners**

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

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

The amendments to this subpart do not result in a modification to the current permit requirement included as condition 28 of draft permit requirements of draft facility-wide permit N-3696-0-3. Therefore, the modifications to this subpart are not addressed any further in this evaluation.

**Q. 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction**

The purpose of this subpart is to reduce emissions of class I and class II refrigerants and their non-exempt substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the maintenance, service, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I or class II ozone-depleting substance or their non-exempt substitutes in accordance with Title VI of the Clean Air Act.

This subpart applies to any person maintaining, servicing, or repairing appliances containing class I, class II or non-exempt substitute refrigerants. This subpart also applies to persons disposing of such appliances (including small appliances and motor vehicle air conditioners), refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recovery and/or recycling equipment, approved recovery and/or recycling equipment testing organizations, and persons buying, selling, or offering to sell class I, class II, or non-exempt substitute refrigerants.

The amendments to this subpart do not result in a modification to the current permit requirement included as condition 27 of draft permit requirements of draft facility-wide permit N-3696-0-3. Therefore, the modifications to this subpart are not addressed any further in this evaluation.



## **IX. PERMIT SHIELD**

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

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

#### **1. Model General Permit Template SJV-UM-0-3**

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template is included as conditions 39 and 40 of the facility-wide requirements (N-3696-0-3).

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

The applicant is requesting a permit shield for each of the requirements listed below:

### **C. Obsolete Permit Shields From Existing Permit Requirements**

There were no obsolete permit shields listed in the existing permit requirements.

## **X. CALIFORNIA ENVIRONMENTAL QUALITY ACT**

The purpose of the Title V permit renewal is to update the permit to ensure that any changes to regulations since the issuance of the initial Title V permit or most recent renewal of the Title V permit are incorporated as permit requirements.

Per the California Environmental Quality Act (CEQA) Statute §21080.24, and CEQA Guidelines §15281, the issuance, modification, amendment, or renewal of any permit by an air pollution control district or air quality management district pursuant to Title V is exempt from CEQA, unless the issuance, modification, amendment, or renewal authorizes a physical or operational change to a source or facility. There will be no physical or operational change to the source or facility nor will the Title V permit renewal authorize a physical or operational change to the source or facility. Therefore, this project, a Title V permit renewal, is subject to a ministerial action that is exempt from CEQA.

## **XI. PERMIT CONDITIONS**

See Attachment A - Draft Renewed Title V Operating Permit.

## **ATTACHMENTS**

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Summary List of Facility Permits

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: N-3696-0-3

EXPIRATION DATE: 04/30/2021

## 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 and County Rule 109 (Merced)] 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 and County Rule 109 (Merced)] 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, 9.8.1 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: HIGHWAY 59 LANDFILL SITE  
Location: 7040 N HIGHWAY 59, MERCED, CA 95348  
N-3696-0-3 : Dec 29 2021 10:23AM -- HONGM

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 Rules 8011 and 8021] 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 Rules 8011 and 8031] 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 Rules 8011 and 8041] 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 Rules 8011 and 8051] 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 Rules 8011 and 8061] 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 Rules 8011 and 8071] 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 compliance with the following outdated SIP requirements: Rule 401 (Merced), Rule 109 (Merced), Rule 202 (Merced), and Rule 204 (Merced). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed 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 (8/19/04); 8031 (8/19/04); 8041 (8/19/04); 8051 (8/19/04); 8061 (8/19/04); and 8071 (9/16/04). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1 of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-3696-1-7

**EXPIRATION DATE:** 04/30/2021

**EQUIPMENT DESCRIPTION:**

GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON INSULATED STEEL TANK INSTITUTE FIREGUARD ABOVEGROUND GASOLINE STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-162), STANDING LOSS CONTROL (VR-301-F), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162)

## PERMIT UNIT REQUIREMENTS

1. For Phase I Vapor Recovery System compliance, the gasoline throughput for this permit unit shall not exceed 18,000 gallons in any one calendar year. If throughput exceeds stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and install and test a certified Phase I EVR vapor recovery system within six (6) months from the date the ATC is issued. [District Rules 2201 and 4621] Federally Enforceable Through Title V Permit
2. The Phase I and Phase II vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
3. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
4. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
5. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
6. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
7. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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8. No person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect or an equipment defect that is identified in any applicable ARB Executive Order until the following conditions have been met: 1) the defect has been repaired, replaced, or adjusted as necessary to correct the defect; 2) the District has been notified, and the District has reinspected the system or authorized the system for use (such authorization shall not include the authority to operate the equipment prior to the correction of the defective components); and 3) all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual. [District Rule 4622] Federally Enforceable Through Title V Permit
9. Upon identification of any major defects, the permittee shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. Tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use. [District Rule 4622] Federally Enforceable Through Title V Permit
10. The permittee shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with the requirements of this permit. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) copies of all vapor recovery performance tests; 2) all applicable ARB Executive Orders, Approval Letters, and District Permits; 3) the manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer; 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests required by this permit (the owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements), and 5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622] Federally Enforceable Through Title V Permit
11. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
12. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
13. Periodic maintenance inspections of the Phase II vapor recovery system shall include, at a minimum, verification that 1) the fueling instructions required by this permit are clearly displayed with the appropriate toll-free complaint phone number and toxic warning signs; 2) the following nozzle components are in place and in good condition as specified in ARB Executive Order as applicable: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, and hold open latch (unless prohibited by law or the local fire control authority); 3) the hoses are not torn, flattened or crimped; 4) the vapor path of the coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid if applicable; and 5) the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit. [District Rule 4622] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
15. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
16. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6 Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected once per month if monthly throughput is below 2,500 gallons or once per week otherwise. [District Rule 4622] Federally Enforceable Through Title V Permit
17. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B or TP-206.3 at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
18. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
19. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
20. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
21. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
22. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] Federally Enforceable Through Title V Permit
23. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
24. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
25. The permittee shall maintain monthly and annual gasoline throughput records. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
26. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-3696-2-14

**EXPIRATION DATE:** 04/30/2021

**SECTION:** NW24 **TOWNSHIP:** 6S **RANGE:** 13E

## **EQUIPMENT DESCRIPTION:**

MUNICIPAL SOLID WASTE LANDFILL (120.9 ACRES), INCLUDING LANDFILL GAS COLLECTION SYSTEM WITH GAS EXTRACTION BLOWER, COLLECTION PIPING NETWORK, GAS/LIQUID SEPARATOR, AND CONTROLLED BY AN ENCLOSED GROUND LEVEL FLARE WITH CARBON ADSORPTION UNIT AS BACKUP

## **PERMIT UNIT REQUIREMENTS**

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. 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] Federally Enforceable Through Title V Permit
3. Sampling ports adequate for sulfur testing shall be provided in the landfill gas manifold line to the flare. [District Rule 1081] Federally Enforceable Through Title V Permit
4. Sampling ports adequate for extraction of grab samples, measurement of gas flow rate, and use of an FID, PID, or other District-approved VOC detection device shall be provided for the carbon adsorption system for both the influent and the effluent gas streams. [District Rule 1081] 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. A minimum of twelve 200-pound carbon canisters which are connected as pairs in series shall be utilized. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The carbon canisters removed from the system shall be sealed vapor tight. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Soil with VOC content of 50 ppm by weight or greater shall not be used as daily cover. [District Rule 4651] Federally Enforceable Through Title V Permit
9. The owner/operator shall install, maintain, and operate a collection and control system that captures gas generated from the landfill and routes it to a control system that complies with the requirements of 40 CFR 63.1959(b)(2)(iii). [40 CFR 63.1959(b)(2)] Federally Enforceable Through Title V Permit
10. In the event that the collection or control system becomes inoperable, the gas mover equipment (as defined in 40 CFR 63.1990) shall be shut down and all valves in the collection and control system contributing to venting of the landfill gas to the atmosphere shall be closed within one hour. Efforts to repair the collection or control system must be initiated and completed in a manner such that downtime is kept to a minimum, and the collection and control system must be returned to operate. [40 CFR 63.1958(e)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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11. The collection system shall be operated such that the methane concentration is less than 500 parts per million above background at the surface of the landfill. Compliance with this surface methane operational standard shall be demonstrated using the procedures outlined in 40 CFR 63.1960(c) within 180 days of installation and startup of the collection and control system and quarterly thereafter. [40 CFR 63.1958(d), 40 CFR 63.1960(c), and 40 CFR 60.8] Federally Enforceable Through Title V Permit
12. The collection and control system shall comply with all applicable provisions of 40 CFR 63 Subpart AAAA at all times including periods of startup, shutdown, or malfunction. During periods of startup, shutdown, or malfunctions, you must comply with the work practice requirement specified in 40 CFR 63.1958(e) in lieu of the compliance provisions in 40 CFR 63.1960. [40 CFR 63.1960(e)(2)] Federally Enforceable Through Title V Permit
13. The owner/operator shall install, calibrate, maintain, and operate a device that records flow to or bypass of the control device. This device may be a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes, and is also capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. Alternatively, this device may secure the bypass line valve in the closed position and shall be inspected at least once every month to ensure that the valve is maintained in the closed position. [40 CFR 63.1961(c)(2)] Federally Enforceable Through Title V Permit
14. The landfill gas collection and control system shall comply with the operational standards of 40 CFR 63.1958, the compliance provisions of 40 CFR 63.1960, the monitoring provisions of 40 CFR 63.1961, the reporting and record keeping requirements of 40 CFR 63.1981 and 63.1983, and the requirements of 40 CFR 63.1962 (for active collection systems). [40 CFR 63.1959(b)(2)(ii), 63.1958, 63.1960, 63.1961, 63.1681, 63.1983, and 63.1962] Federally Enforceable Through Title V Permit
15. The owner or operator shall comply with the requirements of this subpart. The requirements of this subpart apply at all time, including during periods of startup, shutdown, and malfunction (SSM), and the SSM requirements of the General Provisions of this part do not apply. [40 CFR 63.1930(b), 40 CFR 63.1935, and 63.1955(a)] Federally Enforceable Through Title V Permit
16. 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
17. During maintenance of the gas collection system or incineration device, emissions of landfill gas shall be minimized during shutdown. [District Rule 2201] Federally Enforceable Through Title V Permit
18. 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] Federally Enforceable Through Title V Permit
19. 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
20. A non-resettable, totalizing mass or volumetric landfill gas fuel flow meter to measure the amount of gas combusted in the enclosed flare shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The flowrate of collected landfill gas into the flare shall not exceed 2,100 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
22. No air contaminant shall be discharged into the atmosphere from the landfill gas control system for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1/4 or 5% opacity. [District Rule 4101] 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.

23. The entire gas collection system shall be inspected for leaks with a portable analyzer in accordance with EPA Method 21 at least quarterly. After four successful inspections, the frequency shall be annually. If a leak is detected, quarterly inspections shall resume. A leak is defined as a measurement in excess of 1,000 ppm (measured as methane) above background when measured at the surface of the component interface from the potential source. Leaks shall be repaired within 15 calendar days after it is detected. [District Rule 2520] Federally Enforceable Through Title V Permit
24. When using carbon adsorption, the carbon canisters removed from the system shall be sealed vapor tight. [District Rule 2201] Federally Enforceable Through Title V Permit
25. 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 63.9(b). [40 CFR 63.1959(b)(1)(ii)(B) and 63.1981(f)] Federally Enforceable Through Title V Permit
26. This operating permit may be cancelled with APCO approval when the landfill is closed, pursuant to the requirements of this permit, if the landfill is not otherwise subject to the requirements of either 40 CFR part 70 or part 71 and if either 1) it was never subject to the requirement to install and operate a gas collection and a control system under 40 CFR 62.16714; or 2) the owner or operator meets the conditions for control system removal specified in 40 CFR 62.16714(f). [40 CFR 62.16711(f)] Federally Enforceable Through Title V Permit
27. Upon receiving an approved plan for closure, or partial closure, the operator shall modify this operating permit to comply with the requirements of District Rule 4642. [District Rule 4642] Federally Enforceable Through Title V Permit
28. 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. [40 CFR 62.16718(c)] Federally Enforceable Through Title V Permit
29. Enclosed flare shall reduce the inlet NMOC emissions by at least 98% by weight or to no more than 20 ppmvd @ 3% O<sub>2</sub> as hexane. [District Rule 2201] Federally Enforceable Through Title V Permit
30. The methane destruction efficiency for the enclosed flare shall be at least 99% by weight. [17 CCR 95464]
31. The carbon adsorption system shall be at least 98% efficient in controlling VOCs from the landfill gas collection system. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Emissions from the flare shall not exceed any of the following limits: 0.05 lb-NO<sub>x</sub>/MMBtu, 76.6 lb-SO<sub>x</sub>/day, 0.0010 lb-PM<sub>10</sub>/hr/ scfm, or 0.15 lb-CO/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
33. Emissions from the flare LPG-fired pilot shall not exceed any of the following limits: 0.15 lb-NO<sub>x</sub>/MMBtu, 0.0164 lb-SO<sub>x</sub>/MMBtu, 0.0044 lb-PM<sub>10</sub>/MMBtu, 0.021 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
34. VOC emissions from the flare and landfill shall not exceed 250.6 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
35. Total waste material accepted shall not exceed 2,126 tons per day or 776,040 tons per rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
36. Total clean (<50 ppm by weight VOC) soil cover usage rate shall not exceed 5000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
37. Total PM<sub>10</sub> emissions from handling of waste material and soil cover shall not exceed 0.0023 pounds per ton material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
38. SO<sub>x</sub> emissions shall be determined by measuring the sulfur concentration in the landfill gas and calculating the correlated SO<sub>x</sub> emission rate based on the correlation between landfill gas sulfur concentration and associated SO<sub>x</sub> emission rate demonstrated during startup. [District Rule 1081] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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39. Testing to demonstrate compliance with the daily SO<sub>x</sub> emission limit shall be conducted quarterly. Once eight (8) consecutive quarterly tests show compliance, the frequency of monitoring sulfur content, and associated SO<sub>x</sub> emissions, may be reduced to semi-annually. If a semi-annual test shows violation of the SO<sub>x</sub> emission limit, then quarterly testing shall resume and continue until four (4) consecutive tests show compliance. Once compliance is shown on four (4) consecutive quarterly tests, then testing may return to semi-annually. [District Rule 2201] Federally Enforceable Through Title V Permit
40. Source testing of the flare to demonstrate compliance with the flare NO<sub>x</sub> and CO limits, and with the NMOC destruction efficiency of 98%, or no more than 20 ppmvd @ 3% O<sub>2</sub> as hexane as required by this permit, shall be conducted within 60 days of startup and annually thereafter. [District Rule 2201] Federally Enforceable Through Title V Permit
41. 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 Rule 1081] Federally Enforceable Through Title V Permit
42. The results of each landfill gas sulfur content test or source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
43. Sulfur content of the landfill gas being combusted in the flare shall be determined using ASTM D 1072, D 3031, D 4084, D 3246, double GC or colorimetric methods using Draeger tubes for H<sub>2</sub>S and mercaptans, or an equivalent method approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
44. Flare NMOC emissions shall be conducted using USEPA Test Method 18, 25A, or 25C. [District Rule 1081 and 40 CFR 63.1959(d)] Federally Enforceable Through Title V Permit
45. Source testing for flare NO<sub>x</sub> emissions shall be conducted using CARB Method 7 or Method 20. [District Rule 1081] Federally Enforceable Through Title V Permit
46. Source testing for flare CO emissions shall be conducted using EPA Method 10 or 10B, CARB Methods 1 through 5 with 10, or CARB Method 100. [District Rule 1081] Federally Enforceable Through Title V Permit
47. Operator shall determine landfill gas fuel higher heating value annually by ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2201] Federally Enforceable Through Title V Permit
48. When using carbon adsorption, ongoing compliance with NMOC control efficiency requirement shall be demonstrated by sampling both the influent and the effluent gas streams with an FID, PID, or other District-approved NMOC detection device. [District Rule 1081] Federally Enforceable Through Title V Permit
49. When using carbon adsorption, sampling to demonstrate ongoing compliance with the VOC emission rate and control efficiency requirements shall be performed at least once per week by sampling both the influent and the effluent gas streams with an FID, PID, or other District-approved VOC detection device. [District Rule 1081] Federally Enforceable Through Title V Permit
50. The operator shall maintain records of system inspections including: date, time and inspection results. [District Rule 1070] Federally Enforceable Through Title V Permit
51. The operator shall maintain records of maintenance related or other collection system and control device downtime, including individual well shutdown. [District Rule 1070] Federally Enforceable Through Title V Permit
52. The operator shall record emission control device source tests (emissions of CO, NO<sub>x</sub>, and VOC) in pounds per MMBtu heat input. Operator shall also record VOC destruction/treatment efficiency. [District Rule 1081] Federally Enforceable Through Title V Permit
53. A record of continuous flare combustion temperature and continuous volumetric gas flow rate, and monthly calculations of net heating value of landfill gas being combusted, daily landfill gas fuel consumption, and daily heat input shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
54. Records of daily landfill gas flow rate, annual test results of higher heating value of landfill gas, and calculated daily SO<sub>x</sub> emissions shall be compiled monthly and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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55. Records of the cumulative running time and the measured influent and effluent VOC concentrations shall be maintained. Records of system inspections including: date, time and inspection results shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
56. Daily records of the weight of materials received - including waste material (tons) and soil cover (cubic yards converted to tons) - and daily records of all soil organic content test results and certifications for loads contaminated with VOCs, shall be maintained. [District Rule 4651] Federally Enforceable Through Title V Permit
57. Each owner or operator shall keep at least 5 years up-to-date, readily accessible, on-site records of the design capacity report that triggered Section 63.1959(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate based on a rolling 12-month average. [District Rule 2520 and 40 CFR 63.1983(a)] Federally Enforceable Through Title V Permit
58. The owner or operator shall submit the reports as specified in this section and the reports specified in Table 1 to Subpart AAAA of Part 63 - Applicability of NESHAP General Provisions to Subpart AAAA. If you have previously submitted a design capacity report, amended design capacity report, initial NMOC emission rate report, initial or revised collection and control system design plan, closure report, equipment removal report, or initial performance test under 40 CFR part 60, subpart WWW; 40 CFR part 60, subpart XXX; or a federal plan or EPA-approved and effective state plan or tribal plan that implements either 40 CFR part 60, subpart Cc or 40 CFR part 60, subpart Cf, then that submission constitutes compliance with the design capacity report in 63.1981(a), the amended design capacity report in 63.1981(b), the initial NMOC emission rate report in 63.1981(c), the initial collection and control system design plan in 63.1981(d), the revised design plan in 63.1981(e), the closure report in 63.1981(f), the equipment removal report in 63.1981(g), and the initial performance test report in 63.1981(i). You do not need to re-submit the report(s). However, you must include a statement certifying prior submission of the respective report(s) and the date of submittal in the first semi-annual report required in 40 CFR 63.1981. [40 CFR 63.1981] Federally Enforceable Through Title V Permit
59. The owner or operator shall keep records and reports as specified in 40 CFR 63 subpart AAAA, except that the owner or operator shall submit the semi-annual report described in 40 CFR 63.1981(h) every 6 months. [40 CFR 63.1981(h)] Federally Enforceable Through Title V Permit
60. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. Off-site records may be maintained if they are retrievable within 4 hours. [District Rule 1070 and 40 CFR 63.1983(a)] Federally Enforceable Through Title V Permit
61. Permittee may use actual landfill gas generation values in future expansion designs of the gas collection and control system (GCCS). All records and recovery data shall be submitted with GCCS plans. [17 CCR 95468]
62. Landfill collection and control system must be operated such that methane emission from the landfill do not exceed instantaneous or integrated limit requirements. [17 CCR 95464]
63. 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 or during other times as allowed in sections 95464 (c), 95464(d), and 95464(e) [17 CCR 95464 and 17 CCR 95468]
64. 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]
65. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464]
66. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
67. 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 and 17 CCR 95465]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

68. 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]
69. 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]
70. 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]
71. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]
72. 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]
73. 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]
74. Permittee shall conduct surface emission monitoring using either the procedures specified in section 95471 or the Los Angeles County Sanitation District monitoring procedure. Permittee shall keep records of which procedure was used. [17 CCR 95468]
75. 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]
76. Permittee shall keep records of alternate landfill gas collection system modifications being implemented to correct an exceedance in the landfill gas surface emissions or wellhead pressure. Any alternative to installing a new well shall be documented and submitted with the annual report. [17 CCR 95468]
77. 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]
78. 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]
79. Permittee shall terminate surface emission testing when the measured average wind speed is over 15 mph or the instantaneous wind speed is over 30 mph. [17 CCR 95468 and 17 CCR 95471]
80. 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]
81. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470]
82. 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]
83. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]
84. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



85. 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]
86. 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]
87. 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]
88. 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]

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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-3696-5-2

**EXPIRATION DATE:** 04/30/2021

**EQUIPMENT DESCRIPTION:**

130 BHP CATERPILLAR MODEL # C4.4 DIESEL-FIRED TIER III CERTIFIED EMERGENCY STANDBY IC ENGINE TO POWER AN ELECTRICAL GENERATOR

## 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. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.62 g-NOx/bhp-hr, 1.34 g-CO/bhp-hr, or 0.14 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The PM10 emissions rate shall not exceed 0.15 g/hp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations or to supply power while maintenance is performed or repairs are made to the primary power supply. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201 and 4702, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

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# ATTACHMENT B

Previous Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

**FACILITY:** N-3696-0-2

**EXPIRATION DATE:** 04/30/2021

## **FACILITY-WIDE REQUIREMENTS**

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rule 109 (Merced)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rule 109 (Merced)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: HIGHWAY 59 LANDFILL SITE  
Location: 7040 N HIGHWAY 59, MERCED, CA 95348  
N-3696-0-2 : Nov 22 2021 2:58PM -- HONGM

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. 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. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Merced), Rule 109 (Merced), Rule 202 (Merced), and Rule 204 (Merced). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed 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 (8/19/04); 8031 (8/19/04); 8041 (8/19/04); 8051 (8/19/04); 8061 (8/19/04); and 8071 (9/16/04). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. On December 31, 2002, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1 of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-3696-1-5

**EXPIRATION DATE:** 04/30/2021

**EQUIPMENT DESCRIPTION:**

GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON INSULATED STEEL TANK INSTITUTE FIREGUARD ABOVEGROUND GASOLINE STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-162), STANDING LOSS CONTROL (VR-301-F), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162)

## PERMIT UNIT REQUIREMENTS

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1. For Phase I Vapor Recovery System compliance, the gasoline throughput for this permit unit shall not exceed 18,000 gallons in any one calendar year. If throughput exceeds stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and install and test a certified Phase I EVR vapor recovery system within six (6) months from the date the ATC is issued. [District Rules 2201 and 4621] Federally Enforceable Through Title V Permit
2. The Phase I and Phase II vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
3. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
4. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
5. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
6. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
7. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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8. No person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect or an equipment defect that is identified in any applicable ARB Executive Order until the following conditions have been met: 1) the defect has been repaired, replaced, or adjusted as necessary to correct the defect; 2) the District has been notified, and the District has reinspected the system or authorized the system for use (such authorization shall not include the authority to operate the equipment prior to the correction of the defective components); and 3) all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual. [District Rule 4622] Federally Enforceable Through Title V Permit
9. Upon identification of any major defects, the permittee shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. Tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use. [District Rule 4622] Federally Enforceable Through Title V Permit
10. The permittee shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with the requirements of this permit. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) copies of all vapor recovery performance tests; 2) all applicable ARB Executive Orders, Approval Letters, and District Permits; 3) the manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer; 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests required by this permit (the owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements), and 5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622] Federally Enforceable Through Title V Permit
11. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
12. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
13. Periodic maintenance inspections of the Phase II vapor recovery system shall include, at a minimum, verification that 1) the fueling instructions required by this permit are clearly displayed with the appropriate toll-free complaint phone number and toxic warning signs; 2) the following nozzle components are in place and in good condition as specified in ARB Executive Order as applicable: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, and hold open latch (unless prohibited by law or the local fire control authority); 3) the hoses are not torn, flattened or crimped; 4) the vapor path of the coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid if applicable; and 5) the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit. [District Rule 4622] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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14. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
15. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
16. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6 Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected once per month if monthly throughput is below 2,500 gallons or once per week otherwise. [District Rule 4622] Federally Enforceable Through Title V Permit
17. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B or TP-206.3 at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
18. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
19. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
20. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
21. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
22. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] Federally Enforceable Through Title V Permit
23. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
24. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
25. The permittee shall maintain monthly and annual gasoline throughput records. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
26. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-3696-2-13

**EXPIRATION DATE:** 04/30/2021

**SECTION:** NW24 **TOWNSHIP:** 6S **RANGE:** 13E

## **EQUIPMENT DESCRIPTION:**

MUNICIPAL SOLID WASTE LANDFILL (120.9 ACRES), INCLUDING LANDFILL GAS COLLECTION SYSTEM WITH GAS EXTRACTION BLOWER, COLLECTION PIPING NETWORK, GAS/LIQUID SEPARATOR, AND CONTROLLED BY AN ENCLOSED GROUND LEVEL FLARE WITH CARBON ADSORPTION UNIT AS BACKUP

## **PERMIT UNIT REQUIREMENTS**

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. 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] Federally Enforceable Through Title V Permit
3. Sampling ports adequate for sulfur testing shall be provided in the landfill gas manifold line to the flare. [District Rule 1081] Federally Enforceable Through Title V Permit
4. Sampling ports adequate for extraction of grab samples, measurement of gas flow rate, and use of an FID, PID, or other District-approved VOC detection device shall be provided for the carbon adsorption system for both the influent and the effluent gas streams. [District Rule 1081] 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. A minimum of twelve 200-pound carbon canisters which are connected as pairs in series shall be utilized. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The carbon canisters removed from the system shall be sealed vapor tight. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Soil with VOC content of 50 ppm by weight or greater shall not be used as daily cover. [District Rule 4651] Federally Enforceable Through Title V Permit
9. The owner/operator shall install, maintain, and operate a collection and control system that captures gas generated from the landfill and routes it to a control system that complies with the requirements of 40 CFR 60.752(b)(2)(iii). [40 CFR 60.752(b)(2)] Federally Enforceable Through Title V Permit
10. In the event that the collection or control system becomes inoperable, the gas mover equipment (as defined in 40 CFR 60.751) shall be shut down and all valves in the collection and control system contributing to venting of the landfill gas to the atmosphere shall be closed within one hour. [40 CFR 60.753(e)] Federally Enforceable Through Title V Permit
11. The collection system shall be operated such that the methane concentration is less than 500 parts per million above background at the surface of the landfill. Compliance with this surface methane operational standard shall be demonstrated using the procedures outlined in 40 CFR 60.755(c) within 180 days of installation and startup of the collection and control system and quarterly thereafter. [40 CFR 60.753(d), 40 CFR 60.755(c), and 40 CFR 60.8] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. The collection and control system shall comply with all applicable provisions of 40 CFR 60 Subpart WWW at all times except during periods of startup, shutdown, or malfunction, provided that the duration of startup, shutdown, or malfunction shall not exceed five consecutive days for the collection system and shall not exceed one hour for the control system while the collection system is operating. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
13. The owner/operator shall install, calibrate, maintain, and operate a device that records flow to or bypass of the control device. This device may be a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes, and is also capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. Alternatively, this device may secure the bypass line valve in the closed position and shall be inspected at least once every month to ensure that the valve is maintained in the closed position. [40 CFR 60.756(c)(2)]
14. The landfill gas collection and control system shall comply with the operational standards of 40 CFR 60.753, the compliance provisions of 40 CFR 60.755, the monitoring provisions of 40 CFR 60.756, the reporting and record keeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758, 60.759, 62.14353 and 62.14354(b)] Federally Enforceable Through Title V Permit
15. The owner or operator shall comply with the requirements of 40 CFR 63.1960 through 63.1985, and with the general provisions of 40 CFR part 63, as specified in table 1 of 40 CFR part 63, subpart AAAA. [40 CFR 63.1955(b) and 63.1980(b)] Federally Enforceable Through Title V Permit
16. The owner or operator shall develop and implement a written startup, shutdown and malfunction (SSM) plan according to the provisions of 40 CFR 63.6(e)(3). A copy of the SSM plan shall be maintained on site. Failure to write, implement or maintain a copy of the SSM plan is a deviation from the requirements of 40 CFR part 63, subpart AAAA. [40 CFR 63.1960] Federally Enforceable Through Title V Permit
17. The gas collection and control system shall comply with the operational standards of 40 CFR 60.753, the compliance provisions of 40 CFR 60.755, the monitoring provisions of 40 CFR 60.756, the reporting and record keeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758 and 60.759] Federally Enforceable Through Title V Permit
18. 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
19. During maintenance of the gas collection system or incineration device, emissions of landfill gas shall be minimized during shutdown. [District Rule 2201] Federally Enforceable Through Title V Permit
20. 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] Federally Enforceable Through Title V Permit
21. 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
22. A non-resettable, totalizing mass or volumetric landfill gas fuel flow meter to measure the amount of gas combusted in the enclosed flare shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The flowrate of collected landfill gas into the flare shall not exceed 2,100 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
24. No air contaminant shall be discharged into the atmosphere from the landfill gas control system for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1/4 or 5% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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25. The entire gas collection system shall be inspected for leaks with a portable analyzer in accordance with EPA Method 21 at least quarterly. After four successful inspections, the frequency shall be annually. If a leak is detected, quarterly inspections shall resume. A leak is defined as a measurement in excess of 1,000 ppm (measured as methane) above background when measured at the surface of the component interface from the potential source. Leaks shall be repaired within 15 calendar days after it is detected. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
26. When using carbon adsorption, the carbon canisters removed from the system shall be sealed vapor tight. [District Rule 2201] Federally Enforceable Through Title V Permit
27. 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)] Federally Enforceable Through Title V Permit
28. This operating permit may be cancelled with APCO approval when the landfill is closed, pursuant to the requirements of this permit, if the landfill is not otherwise subject to the requirements of either 40 CFR part 70 or part 71 and if either 1) it was never subject to the requirement for a control system under 40 CFR 60.752(b)(2); or 2) the owner or operator meets the conditions for control system removal specified in 40 CFR 60.752(b)(2)(v). [40 CFR 60.752(d)] Federally Enforceable Through Title V Permit
29. Upon receiving an approved plan for closure, or partial closure, the operator shall modify this operating permit to comply with the requirements of District Rule 4642. [District Rule 4642, 3.2 and 4.1.1] Federally Enforceable Through Title V Permit
30. 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. [40 CFR 60.754(c)] Federally Enforceable Through Title V Permit
31. Enclosed flare shall reduce the inlet NMOC emissions by at least 98% by weight or to no more than 20 ppmvd @ 3% O<sub>2</sub> as hexane. [District Rule 2201] Federally Enforceable Through Title V Permit
32. The methane destruction efficiency for the enclosed flare shall be at least 99% by weight. [17 CCR 95464]
33. The carbon adsorption system shall be at least 98% efficient in controlling VOCs from the landfill gas collection system. [District Rule 2201] Federally Enforceable Through Title V Permit
34. Emissions from the flare shall not exceed any of the following limits: 0.05 lb-NO<sub>x</sub>/MMBtu, 76.6 lb-SO<sub>x</sub>/day, 0.0010 lb-PM<sub>10</sub>/hr/ scfm, or 0.15 lb-CO/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
35. Emissions from the flare LPG-fired pilot shall not exceed any of the following limits: 0.15 lb-NO<sub>x</sub>/MMBtu, 0.0164 lb-SO<sub>x</sub>/MMBtu, 0.0044 lb-PM<sub>10</sub>/MMBtu, 0.021 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
36. VOC emissions from the flare and landfill shall not exceed 250.6 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
37. Total waste material accepted shall not exceed 2,126 tons per day or 776,040 tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
38. Total clean (<50 ppm by weight VOC) soil cover usage rate shall not exceed 5000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
39. Total PM<sub>10</sub> emissions from handling of waste material and soil cover shall not exceed 0.0023 pounds per ton material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
40. SO<sub>x</sub> emissions shall be determined by measuring the sulfur concentration in the landfill gas and calculating the correlated SO<sub>x</sub> emission rate based on the correlation between landfill gas sulfur concentration and associated SO<sub>x</sub> emission rate demonstrated during startup. [District Rule 1081] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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41. Testing to demonstrate compliance with the daily SO<sub>x</sub> emission limit shall be conducted quarterly. Once eight (8) consecutive quarterly tests show compliance, the frequency of monitoring sulfur content, and associated SO<sub>x</sub> emissions, may be reduced to semi-annually. If a semi-annual test shows violation of the SO<sub>x</sub> emission limit, then quarterly testing shall resume and continue until four (4) consecutive tests show compliance. Once compliance is shown on four (4) consecutive quarterly tests, then testing may return to semi-annually. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Source testing of the flare to demonstrate compliance with the flare NO<sub>x</sub> and CO limits, and with the NMOC destruction efficiency of 98%, or no more than 20 ppmvd @ 3% O<sub>2</sub> as hexane as required by this permit, shall be conducted within 60 days of startup and annually thereafter. [District Rule 2201] Federally Enforceable Through Title V Permit
43. 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 Rule 1081] Federally Enforceable Through Title V Permit
44. The results of each landfill gas sulfur content test or source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
45. Sulfur content of the landfill gas being combusted in the flare shall be determined using ASTM D 1072, D 3031, D 4084, D 3246, double GC or colorimetric methods using Draeger tubes for H<sub>2</sub>S and mercaptans, or an equivalent method approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
46. Flare NMOC emissions shall be conducted using USEPA Test Method 18, 25A, or 25C. [District Rule 1081 and 40 CFR 60.754(d)] Federally Enforceable Through Title V Permit
47. Source testing for flare NO<sub>x</sub> emissions shall be conducted using CARB Method 7 or Method 20. [District Rule 1081] Federally Enforceable Through Title V Permit
48. Source testing for flare CO emissions shall be conducted using EPA Method 10 or 10B, CARB Methods 1 through 5 with 10, or CARB Method 100. [District Rule 1081] Federally Enforceable Through Title V Permit
49. Operator shall determine landfill gas fuel higher heating value annually by ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2201] Federally Enforceable Through Title V Permit
50. When using carbon adsorption, ongoing compliance with NMOC control efficiency requirement shall be demonstrated by sampling both the influent and the effluent gas streams with an FID, PID, or other District-approved NMOC detection device. [District Rule 1081] Federally Enforceable Through Title V Permit
51. When using carbon adsorption, sampling to demonstrate ongoing compliance with the VOC emission rate and control efficiency requirements shall be performed at least once per week by sampling both the influent and the effluent gas streams with an FID, PID, or other District-approved VOC detection device. [District Rule 1081] Federally Enforceable Through Title V Permit
52. The operator shall maintain records of system inspections including: date, time and inspection results. [District Rule 1070] Federally Enforceable Through Title V Permit
53. The operator shall maintain records of maintenance related or other collection system and control device downtime, including individual well shutdown. [District Rule 1070] Federally Enforceable Through Title V Permit
54. The operator shall record emission control device source tests (emissions of CO, NO<sub>x</sub>, and VOC) in pounds per MMBtu heat input. Operator shall also record VOC destruction/treatment efficiency. [District Rule 1081] Federally Enforceable Through Title V Permit
55. A record of continuous flare combustion temperature and continuous volumetric gas flow rate, and monthly calculations of net heating value of landfill gas being combusted, daily landfill gas fuel consumption, and daily heat input shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
56. Records of daily landfill gas flow rate, annual test results of higher heating value of landfill gas, and calculated daily SO<sub>x</sub> emissions shall be compiled monthly and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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57. Records of the cumulative running time and the measured influent and effluent VOC concentrations shall be maintained. Records of system inspections including: date, time and inspection results shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
58. Daily records of the weight of materials received - including waste material (tons) and soil cover (cubic yards converted to tons) - and daily records of all soil organic content test results and certifications for loads contaminated with VOCs, shall be maintained. [District Rule 4651] Federally Enforceable Through Title V Permit
59. Each owner or operator shall keep 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. [40 CFR 60.758(a) and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
60. The owner or operator shall keep records and reports as specified in 40 CFR part 60 subpart WWW, except that the owner or operator shall submit the annual report described in 40 CFR 60.757(f) every 6 months. [40 CFR 63.1980(a)] Federally Enforceable Through Title V Permit
61. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. Off-site records may be maintained if they are retrievable within 4 hours. [District Rule 1070 and 40 CFR 60.758(a)] Federally Enforceable Through Title V Permit
62. Permittee may use actual landfill gas generation values in future expansion designs of the gas collection and control system(GCCS). All records and recovery data shall be submitted with GCCS plans. [17 CCR 95468]
63. Landfill collection and control system must be operated such that methane emission from the landfill do not exceed instantaneous or integrated limit requirements. [17 CCR 95464]
64. 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 or during other times as allowed in sections 95464 (c), 95464(d), and 95464(e) [17 CCR 95464, 17 CCR 95468]
65. 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]
66. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464]
67. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
68. 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]
69. 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]
70. 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]
71. 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]
72. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]
73. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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74. 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]
75. Permittee shall conduct surface emission monitoring using either the procedures specified in section 95471 or the Los Angeles County Sanitation District monitoring procedure. Permittee shall keep records of which procedure was used. [17 CCR 95468]
76. 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]
77. Permittee shall keep records of alternate landfill gas collection system modifications being implemented to correct an exceedance in the landfill gas surface emissions or wellhead pressure. Any alternative to installing a new well shall be documented and submitted with the annual report. [17 CCR 95468]
78. 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]
79. 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]
80. Permittee shall terminate surface emission testing when the measured average wind speed is over 15 mph or the instantaneous wind speed is over 30 mph. [17 CCR 95468, 17 CCR 95471]
81. 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]
82. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470]
83. 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]
84. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]
85. 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]
86. 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]
87. 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]
88. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

89. 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]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-3696-5-1

**EXPIRATION DATE:** 04/30/2021

**EQUIPMENT DESCRIPTION:**

130 BHP CATERPILLAR MODEL # C4.4 DIESEL-FIRED TIER III CERTIFIED EMERGENCY STANDBY IC ENGINE TO POWER AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.62 g-NOx/bhp-hr, 1.34 g-CO/bhp-hr, or 0.14 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The PM10 emissions rate shall not exceed 0.15 g/hp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations or to supply power while maintenance is performed or repairs are made to the primary power supply. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201 and 4702, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 17 CCR 93115, 40 CFR Part 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

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# ATTACHMENT C

Detailed Summary List of Facility Permits

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## Detailed Facility Report

For Facility=3696

Sorted by Facility Name and Permit Number

<b>HIGHWAY 59 LANDFILL SITE</b> <b>7040 N HIGHWAY 59</b> <b>MERCED, CA 95348</b>	FAC # STATUS: TELEPHONE:	N 3696 A 2093857388	TYPE: TOXIC ID:	TitleV 70630	EXPIRE ON: AREA: INSP. DATE:	04/30/2021 7 / 306 05/22
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-3696-1-5	1 nozzle	3020-11 A	1	42.00	42.00	A	GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON INSULATED STEEL TANK INSTITUTE FIREGUARD ABOVEGROUND GASOLINE STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-162), STANDING LOSS CONTROL (VR-301-F), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162)
N-3696-2-13	120.9 acres	3020-12 U	121	121.00	3,308.00	A	MUNICIPAL SOLID WASTE LANDFILL (120.9 ACRES), INCLUDING LANDFILL GAS COLLECTION SYSTEM WITH GAS EXTRACTION BLOWER, COLLECTION PIPING NETWORK, GAS/LIQUID SEPARATOR, AND CONTROLLED BY AN ENCLOSED GROUND LEVEL FLARE WITH CARBON ADSORPTION UNIT AS BACKUP
N-3696-3-3	115 hp diesel engine	3020-10 B	1	143.00	143.00	D	COMPOST SCREENING, CONVEYING AND STORAGE OPERATION CONSISTING OF A RETECH, MODEL 727 MAGNUM, TROMMEL SCREEN POWERED BY A 115 HP JOHN DEERE, MODEL 4045T, TRANSPORTABLE DIESEL FIRED INTERNAL COMBUSTION ENGINE
N-3696-5-1	130 bhp emergency IC engine	3020-10 B	1	143.00	143.00	A	130 BHP CATERPILLAR MODEL # C4.4 DIESEL-FIRED TIER III CERTIFIED EMERGENCY STANDBY IC ENGINE TO POWER AN ELECTRICAL GENERATOR

Number of Facilities Reported: 1