



MAR 01 2018

Ms. Reyna Verdin  
Chemical Waste Management, Inc.  
PO Box 471  
Kettleman City CA 93239-0471

**Re: Notice of Final Action - Title V Permit Renewal**  
**Facility Number: C-283**  
**Project Number: C-1160562**


Dear Ms. Verdin:

The District has issued the Final Renewed Title V Permit for Chemical Waste Management, Inc. (see enclosure). The preliminary decision for this project was made on September 13, 2017. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The public notice for issuance of the Final Title V Permit will be published approximately three days from the date of this letter.

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

Sincerely,



Arnaud Marjollet  
Director of Permit Services

Enclosures

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

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

**TITLE V PERMIT RENEWAL EVALUATION**

**CHEMICAL WASTE MANAGEMENT, INC**

**C-283**

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**TITLE V PERMIT RENEWAL EVALUATION**  
**Municipal/Hazardous Waste Landfill**

**Engineer:** Kamaljit Sran  
**Date:** January 24, 2018

**Facility Number:** C-283  
**Facility Name:** Chemical Waste Management, Inc  
**Mailing Address:** PO Box 471  
Kettleman City CA 93239-0471

**Contact Name:** Reyna Verdin  
**Phone:** (559) 386-6151

**Responsible Official:** Jim Sook  
**Title:** District Manager

**Project # :** C-1160562  
**Deemed Complete:** March 10, 2016

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**I. PROPOSAL**

Chemical Waste Management, Inc was issued a renewed Title V permit on March 21, 2012. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

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

On September 13, 2017, the District issued public notice of its preliminary decision to issue the renewed Title V permit for Chemical Waste Management, Inc. In accordance with District Rule 2520, copies of the proposed permit and evaluation were forwarded to the facility, US EPA, and the Californian Air Resources Board. Copies were also made available for public review. The notice of District's preliminary decision was published in Fresno Bee (newspaper of general circulation in Fresno County) on September 19, 2017.

During the 30 day public comment period, the District has learned that some interested parties received the notice for this project late into the 30 day commenting period. Therefore, to provide the public with sufficient time to review and comment on the District's proposal, the District is extended the commenting period to provide public comments for an additional 30 day period.

During the review period that followed the notice of preliminary decision, the District received formal comments from Chemical Waste Management, Inc. District has addressed these comments (see attachments D) and therefore has decided to issue the renewed Title V permit to Chemical Waste Management, Inc.

## **II. FACILITY LOCATION**

Chemical Waste Management is located at 35251 Old Skyline Rd, Kettleman City, CA 93239.

## **III. EQUIPMENT LISTING**

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

## **IV. GENERAL PERMIT TEMPLATE USAGE**

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

## **V. SCOPE OF EPA AND PUBLIC REVIEW**

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



## VI. FEDERALLY ENFORCEABLE REQUIREMENTS

### A. Rules Updated and Evaluated

- District Rule 2020, Exemptions (Amended August 18, 2011 ⇒ Amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (Amended April 21, 2011 ⇒ Amended February 18, 2016)
- District Rule 2520, Federally Mandated Operating Permits (Amended June 21, 2001)
- District Rule 4621, Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants (Amended December 20, 2007⇒ Amended December 19, 2013)
- District Rule 4622, Gasoline Transfer into Motor Vehicle Fuel Tanks (Amended December 20, 2007⇒ Amended December 19, 2013)
- District Rule 4702, Internal Combustion Engines (Amended August 18, 2011 ⇒ Amended December 14, 2013)
- 40 CFR Part 63, Subpart DD, National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations (Amended March 18, 2015)
- 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Amended February 27, 2014)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (Adopted October 22, 1997)
- 40 CFR Part 82, Subpart B & F, Stratospheric Ozone (Amended June 25, 2013 & April 10, 2015)<sup>1</sup>

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<sup>1</sup> These subparts were amended since last TV renewal. However, the amendments to these subpart do not have any effect on existing permit requirements as addressed by conditions 27 & 28 of permit unit C-283-0-3 on the draft renewed permit.

## **B. Rules Rescinded**

There are no applicable rules that were rescinded since the last renewed Title V permit was issued.

## **C. Rules Adopted**

- District Rule 2410, Prevention of Significant Deterioration (Adopted June 16, 2011 and effective November 26, 2012)

## **D. Rules Not Updated**

- District Rule 1081, Source Sampling (Amended December 16, 1993)
- District Rule 1100, Equipment Breakdown (Amended December 17, 1992)
- District Rule 1160, Emission Statements (Adopted November 18, 1992)
- District Rule 2010, Permits Required (Amended December 17, 1992)
- District Rule 2031, Transfer of Permits (Amended December 17, 1992)
- District Rule 2040, Applications (Amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (Amended December 17, 1992)
- District Rule 2080, Conditional Approval (Amended December 17, 1992)
- District Rule 4101, Visible Emissions (Amended February 17, 2005)
- District Rule 4601, Architectural Coatings (Amended December 17, 2009)
- District Rule 4201, Particulate Matter Concentration (Amended December 17, 1992 )
- District Rule 4202, Particulate Matter–Emission Rate (Amended December 17, 1992 )
- District Rule 4642, Solid Waste Disposal Sites (Amended April 16, 1998)
- District Rule 4651, Soil Decontamination Operations (Amended September 20, 2007)

- District Rule 8011, General Requirements (Amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities (Amended August 19, 2004)
- District Rule 8031, Bulk Materials (Amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (Amended August 19, 2004)
- District Rule 8051, Open Areas (Amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (Amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (Amended September 16, 2004)
- 40 CFR Part 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills (Amended September 21, 2006)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (Amended September 18, 2003)
- 40 CFR Part 61, Subpart FF, National Emission Standard for Benzene Waste Operations (Amended December 4, 2003)
- 40 CFR Part 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (Amended April 20, 2006)
- 40 CFR Part 68, Chemical Accident Prevention Provisions (Amended January 6, 1999)

## VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

**A. Rules Adopted or updated:**

There have been no rules adopted or updated since the last renewal Title V permit was issued.

**B. Rules Not Updated**

- District Rule 4102, Nuisance (amended December 17, 1992)
- Title 17 CCR, Section 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression-Ignition (CI) Engines (California Air Resources Board(ARB) regulation) (Amended May 19, 2011)
- Title 17 California Code of Regulations (CCR), Sections 95460 through 95476, Methane Emissions from Municipal Solid Waste Landfills (California Air Resources Board(ARB) regulation) (June 17, 2010)

**VIII. PERMIT REQUIREMENTS**

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

**A. District Rule 2020 - Exemptions**

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any effect on current permit requirements and therefore will not be addressed in this evaluation.

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

District Rule 2201 has been amended since this facility's last renewed Title V permit was issued. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit.

**C. District Rule 2410 – Prevention of Significant Deterioration (PSD)**

District Rule 2410 has been newly adopted since this Title V permit was last renewed. However the requirements of this rule are only triggered at the time

the source undergoes a modification. All applicable requirements from any PSD permit actions have already been incorporated into the current Title V permit.

**D. District Rule 2520 - New Federally Mandated Operating Permits**

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

**E. District Rule 4621 - Gasoline Transfer into Stationary Storage Containers, Delivery Vessels and Bulk Plants**

Rule 4621 was amended to remove ARB certification requirements for aviation gasoline bulk loading operations as ARB does not certify such operations. Instead of ARB certifications, these operations are now required to be equipped with a vapor recovery system that would meet a minimum volumetric control of 90% as required by ARB's *Certification Procedure (CP-202) for Vapor Recovery Systems of Bulk Plants (March 17, 1999)*. This facility doesn't have any aviation gasoline bulk loading operations.

The amendments to this rule do not have any effect on current requirements of permit unit C-283-20-8 and will therefore not be addressed any further.

**F. District Rule 4622 - Transfer of Gasoline Into Vehicle Fuel Tanks**

Rule 4622 was amended to incorporate an exemption from requiring Phase II vapor recovery systems for E85 (85% ethanol and 15% gasoline) fuel dispensing facilities and change the frequency of the Dynamic Back-Pressure Test from once every twelve months to once every five years.

This facility doesn't store E85 fuel so no change in permit conditions is needed. This permit unit is equipped with integral dispenser thus no Dynamic Back-Pressure Test is required for balance Phase II systems.

The amendments to this rule do not have any effect on current requirements of permit unit C-283-20-8 and will therefore not be addressed any further.

**G. District Rule 4702 - Internal Combustion Engines—Phase 2**

Rule 4702 was amended, to clearly specify the appropriate 65 ppmv NOx limitation for waste gas fueled lean burn engines Section 5.2.2 Table 2. The

amendments to this rule do not have any effect on current requirements of permit unit C-283-8-7 and will therefore not be addressed any further.

#### **H. 40 CFR Part 63–Subpart DD–National Emissions Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations**

This facility is a major source of HAP emissions since the facility states that it has the potential to emit any combination of HAP at a rate of 40.82 tons per year. Therefore, the facility is subject to this rule.

On March 18, 2015, the EPA published amendments to the Off-Site Waste and Recovery Operations (OSWRO) NESHAP based on the residual risk and technology review (RTR) analyses and some other minor revisions. The revisions include the following:

- Revisions to the tank requirements to require increased control of emissions for tanks in a specific size range that also contain material above a specified vapor pressure;
- Revisions to the equipment leak requirements to remove the option to comply with either 40 CFR part 63, subpart H or 40 CFR part 61, subpart V, and require compliance with only 40 CFR part 63, subpart H;
- Revisions to requirements related to emissions during periods of startup, shutdown and malfunction;
- The addition of requirements for reporting of performance testing through the Electronic Reporting Tool (ERT);
- Revisions to the routine maintenance provisions to limit the applicability of the provisions to tanks;
- Clarifications to the “sealed” requirement of the provisions for open-ended valve or lines (OELs);
- Addition of monitoring requirements for pressure relief devices (PRDs);
- Clarification of provisions for some performance test methods and procedures

Environmental Protection Agency (EPA) finalized the residual risk and technology review (RTR) conducted for the Off-Site Waste and Recovery Operations (OSWRO) source category. In addition, EPA finalized amendments to correct and clarify regulatory provisions related to emissions during periods of startup, shutdown and malfunction (SSM); add requirements for reporting of performance testing through the Electronic Reporting Tool (ERT); revise the routine maintenance provisions; clarify provisions pertaining to open-ended valves and lines (OELs); add monitoring requirements for pressure relief devices (PRDs); clarify provisions for some performance test methods and procedures; and make several minor clarifications and corrections.

Permit units C-283-14-4, -15-4, -17-4 and -19-3 are subject to this subpart. However these permit units are currently operating below the control requirements trigger level of this NESHAP.

The amendments to this rule do not have any effect on current requirements of permit units C-283-14-4, -15-4, -17-4 and -19-3 and will therefore not be addressed any further.

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

Emergency engines are subject to this subpart if they are operated at a major or area source of Hazardous Air Pollutant (HAP) emissions. A major source of HAP emissions is a facility that has the potential to emit any single HAP at a rate of 10 tons/year or greater or any combinations of HAPs at a rate of 25 tons/year or greater. An area source of HAPs is a facility is not a major source of HAPs. This facility is a major source of HAP emissions since the facility states that it has the potential to emit any combination of HAP at a rate of 40.82 tons per year.

Pursuant to section 63.6603(a), the owner or operator of an existing (constructed prior to June 12, 2006) stationary reciprocating internal combustion engine (RICE) located at an area source of HAP emissions, must comply with the requirements in Table 2d to this subpart. Pursuant to Table 2d row 4, the following requirements are applicable to emergency stationary CI RICE:

- Change oil and filter every 500 hours of operation or annually, whichever comes first.
- Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

Pursuant to Section 63.6625(e)(3), the owner or operator of an emergency stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

Pursuant to Section 63.6625(f), the owner or operator of an existing emergency stationary RICE located at an area source of HAP emissions must install a non-resettable hour meter if one is not already installed.

Pursuant to Section 63.6625(h), the owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Pursuant to Section 63.6625(i), the owner or operator of an existing emergency stationary RICE may have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Pursuant to Section 63.6640(a), the owner or operator of an existing emergency stationary RICE may demonstrate on-going compliance with the requirements of this subpart by operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or developing and following their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions (Table 6 row 9).

Pursuant to Section 63.6640(f): 1) There is no time limit on the use of emergency stationary RICE in emergency situations; and 2) An emergency stationary RICE may be operated for maintenance checks and readiness testing, emergency demand response, and other non-emergency situations up to a maximum of 100 hours per calendar year.



Pursuant to Section 63.6655(a)(2), the owner or operator must maintain records the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

Pursuant to Section 63.6655(a)(4), the owner or operator must maintain records of all required maintenance performed on the air pollution control and monitoring equipment.

Pursuant to Section 63.6655(a)(5), the owner or operator must maintain records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

Pursuant to Section 63.6660, the owner or operator must maintain records in a form suitable and readily available for expeditious review, and readily accessible in hard copy or electronic form for at least 5 years.

Compliance is assured with the following conditions:

C-283-8-7	Conditions 5, 6, 8, 9, and 11 through 17
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#### J. 40 CFR Part 64–Compliance Assurance Monitoring

40 CFR Part 64 requires Compliance Assurance Monitoring (CAM) 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.
- a. C-283-8-7 – 306 hp Caterpillar Model 3306 Diesel-Fired Emergency IC Engine

This unit does not have any add-on controls as defined by the rule, therefore, the engine is not subject to CAM.

- b. C-283-11-8 – Hazardous Waste Landfill (B-18)

This unit does not have emissions limits for pollutants as well as add-on controls as defined by the rule, therefore, the unit is not subject to CAM.

c. C-283-14-4 – 4,400,000 Gallon Evaporation Pond (P-9)

Section 64.2(b) states that the requirements of this part shall not apply to any emission limitations or standards proposed after November 15, 1990. These limitations or standards are new source performance standards (NSPS) or national emission standards for hazardous air pollutants (NESHAP) proposed after November 15, 1990.

The facility is subject to 40 CFR 63 Subpart DD, National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations, which was proposed after November 15, 1990, therefore, this permit unit is exempt from CAM.

d. C-283-15-4 – 2,100,000 Gallon Evaporation Pond (P-14)

Section 64.2(b) states that the requirements of this part shall not apply to any emission limitations or standards proposed after November 15, 1990. These limitations or standards are new source performance standards (NSPS) or national emission standards for hazardous air pollutants (NESHAP) proposed after November 15, 1990.

The facility is subject to 40 CFR 63 Subpart DD, National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations, which was proposed after November 15, 1990, therefore, this permit unit is exempt from CAM.

e. C-283-17-4 – 3,900,000 Gallon Evaporation Pond (P-16)

Section 64.2(b) states that the requirements of this part shall not apply to any emission limitations or standards proposed after November 15, 1990. These limitations or standards are new source performance standards (NSPS) or national emission standards for hazardous air pollutants (NESHAP) proposed after November 15, 1990.

The facility is subject to 40 CFR 63 Subpart DD, National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations, which was proposed after November 15, 1990, therefore, this permit unit is exempt from CAM.

f. C-283-19-3 – Waste Stabilization Unit

The Waste Stabilization Unit has an emission limitation for PM<sub>10</sub> only and the unit utilizes three baghouses as control devices, one pulse jet baghouse for each of the two silos and one baghouse for the unit's dust control system. Each

baghouse is subject to permit emission limit of 0.1 gr/dscf at the point of discharge. The following calculations will determine if each of the baghouse's pre-control potential to emit for PM<sub>10</sub> is greater than the major threshold of 140,000 lb/yr for PM<sub>10</sub>.

In June 26, 1988, the initial permitting for this permit unit assumed 99% control efficiencies for each of the three baghouses and the dust collection baghouse was determined to have maximum emissions of 40 lb-PM<sub>10</sub>/day. In project #C-1041679, the annual PM<sub>10</sub> emissions from the silo baghouse common to permit unit C-283-24 was determined to be 256 lb-PM<sub>10</sub>/year. The same annual PM<sub>10</sub> emissions will be assumed for both silo baghouses.

#### Silo Baghouse:

The following calculates the pre-control PM<sub>10</sub> emissions of a silo baghouses.

$$\text{PM}_{10} \text{ pre-control} = 256 \text{ lb-PM}_{10}/\text{year} \div (1 - 0.99) = 25,600 \text{ lb-PM}_{10}/\text{year}$$

Since the pre-control PM<sub>10</sub> emissions of a silo baghouse is less than the 140,000 lb-PM<sub>10</sub>/yr which is the Major Source Threshold for PM<sub>10</sub>, the unit is not subject to CAM.

#### Dust Control System Baghouse:

$$\begin{aligned} \text{Pre-Control PM}_{10} &= (40 \text{ lb-PM}_{10}/\text{day} \times 365 \text{ day/yr}) \div (1-0.99) \\ &= 1,460,000 \text{ lb/yr} > 140,000 \text{ PM}_{10}\text{-lb/yr (Major Source)} \end{aligned}$$

Since the Pre-Control PM<sub>10</sub> is greater than 140,000 lb/yr, the dust collection baghouse is subject to CAM. Section 64.3(b)(4)(ii) requires that for all pollutant-specific emissions unit with the potential to emit, calculated including the effect of control devices, the applicable regulated air pollutant in an amount equal to or greater than 100 percent of the amount required for a source to be classified as a major source, the owner or operator shall collect four or more data values equally spaced over each hour and average the values over the applicable averaging period.

To determine if hourly data collection is required by Section 64.3(b)(4)(ii), the Post-Control PM<sub>10</sub> for the dust collection baghouse is calculated as follows.

$$\begin{aligned} \text{Post-Control PM}_{10} &= 40 \text{ lb-PM}_{10}/\text{day} \times 365 \text{ day/yr} \\ &= 14,600 \text{ lb-PM}_{10}/\text{yr} < 140,000 \text{ lb-PM}_{10}/\text{yr (Major Source)} \end{aligned}$$

Since the Post-Control PM<sub>10</sub> potential to emit is less than 140,000 lb- PM<sub>10</sub>/yr (Major Source Threshold), hourly data collection is not required and daily monitoring and recording of the applicable data values comply with the rule.

In order to comply with CAM, the facility will monitor and record daily the Mikropulsaire model 7003-10-20-TRH "C" baghouse differential pressure. The baghouse will operate at all times with a minimum differential pressure of 3.5 inches water column and a maximum differential pressure of 8 inches water column. If the baghouse's differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouse's differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range.

- Conditions 12 through 17 on the proposed permit assure compliance with this rule.

g. C-283-20-8 – Gasoline Dispensing Operation

This unit does not have add-on controls as defined by the rule, therefore, the unit is not subject to CAM.

h. C-283-22-18 – Municipal Solid Waste Bioreactor Landfill, Class II and III (B-19)

The following permit conditions have limits that may be subject to the applicable CAM requirements.

Condition 42 are the NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, and CO emissions limits of the enclosed flare that have no add-on control and are not subject to CAM.

Condition 46 states the NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC emissions limits of the enclosed flare's pilot light. These emissions have no add-on control and are not subject to CAM. In addition, from Project #C-1062730, the VOC emissions from the pilot light are less than 20,000 lb-VOC/yr (Major Source Threshold) as shown in the calculation below from the project and therefore, not subject to CAM.

VOC Project #C-1062730 = 22.2 scf/btu x 3200E-6 MMBtu/scf x 0.0055 lb-VOC/MMBtu x 8760 hr/yr = 3.85 lb-VOC/yr < 20,000 lb-VOC/yr (Major Source)

The limits in conditions 52 through 55 are waste material acceptance rates and not emissions limits that are subject to CAM.

In condition 56, the total PM<sub>10</sub> emissions limits of 0.0004541b-PM10/ton material handled have no add-on control, and do not meet the applicability requirements for CAM.

The VOC emissions from the landfill and the enclosed flare is limited by condition 41 to not exceed 339.5 lb-VOC/day, (sum of the uncollected/fugitive emissions and collected/controlled emissions). The VOC emissions from the landfill collection system is controlled by an enclosed flare that reduces the inlet NMOC emissions by at least 98% by weight or to no more than 20 ppmvd @3% O<sub>2</sub> as methane. In Project #C-1062730, the landfill 's VOC emissions prior to the installation on the gas collection and control system had been evaluated with a Pre-Control emissions of greater than 20,000 lb-VOC/yr (Major Source Threshold). Therefore, the landfill collection system VOC emissions controlled by the flare is subject to CAM for VOC.

While CAM requires daily monitoring, the landfill collection system complies with the more stringent NSPS Subpart WWW requirements to continuously monitor and record combustion chamber temperature of the enclosed flare. Therefore, CAM is satisfied through continuous monitoring required under NSPS Subpart WWW. The combustion temperature is an indicator of the enclosed flare's control efficiency. The temperature readings will not be less than 28°C (50°F) below the average combustion temperature determined during the most recent flare source test, averaged over a 3-hour period. Upon detecting any temperature excursion lower than 28°C (50°F) below the source test average combustion temperature, averaged over a 3-hour period, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable.

The temperature monitoring device shall be calibrated, maintained, and operated according to the manufacturer's specifications. The enclosed flare burner and its associated components and the vapor collection system shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replacement and repairs, and all maintenance actions taken. The records shall be kept and maintained for compliance inspection upon request. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7.

The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9.

- Conditions 111 through 116 on the proposed permit assure compliance with this rule.

i. C-283-24-3 – Transportable Pneumatic Storage System Served by Flexkleen Pulse Jet Baghouse

In project #C-1041679, the annual PM<sub>10</sub> emissions from the baghouse was determined to be 256 lb-PM<sub>10</sub>/year with the baghouse control efficiency of 99%. The following evaluation calculates the uncontrolled PM<sub>10</sub> emissions of the storage system.

$$PM_{10 \text{ pre-control}} = 256 \text{ lb-PM}_{10}/\text{year} \div (1 - 0.99) = 25,600 \text{ lb-PM}_{10}/\text{year}$$

Since the pre-control PM<sub>10</sub> emissions of the storage unit is less than the 140,000 lb-PM<sub>10</sub>/yr which is the Major Source Threshold for PM<sub>10</sub>, the unit is not subject to CAM.

j. C-283-25-4 – Municipal Solid Waste Landfill, Class II and III (B-17)

The following permit conditions are limits that may be subject to the applicable CAM requirements.

Condition 42 are the NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, and CO emissions limits of the enclosed flare that have no add-on control and are not subject to CAM.

Condition 46 states the NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC emissions limits of the enclosed flare's pilot light. These emissions have no-add-on control and are not subject to CAM.

The limits in conditions 52 through 55 are waste material acceptance rates and not emissions limits that are subject to CAM.

In condition 56, the total PM<sub>10</sub> emissions limits of 0.0004541b-PM<sub>10</sub>/ton material handled have no add-on control and do not meet the applicability requirements for CAM.

The VOC emissions from the landfill and the enclosed flare is limited by condition 41 to not exceed 240.7 lb-VOC/day, (sum of the uncollected/fugitive emissions and collected/controlled emissions). The VOC emissions from the landfill collection system is controlled by an enclosed flare that reduces the inlet NMOC emissions by at least 98% by weight or to no more than 20 ppmvd @ 3%O<sub>2</sub> as methane. In Project#C-1160562, the B-17 landfill's VOC emissions were evaluated with emissions after add-on control of greater than 20,000 lb-VOC/yr (Major Source Threshold) which indicates VOC emission without add-on control would also exceed the Major Source Threshold. Therefore, the landfill collection system VOC emissions controlled by the flare is subject to CAM for VOC.

While CAM requires daily monitoring, the landfill collection system complies with the more stringent NSPS Subpart WWW requirements to continuously monitor and record combustion chamber temperature of the enclosed flare. Therefore, CAM is satisfied through continuous monitoring required under NSPS Subpart WWW. The combustion temperature is an indicator of the enclosed flare's control efficiency. The temperature readings will not be less than 28°C (50°F) below the average combustion temperature determined during the most recent flare source test, averaged over a 3-hour period. Upon detecting any temperature excursion lower than 28°C (50°F) below the source test average combustion temperature, averaged over a 3-hour period, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable.

The temperature monitoring device shall be calibrated, maintained, and operated according to the manufacturer's specifications. The enclosed flare burner and its associated components and the vapor collection system shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replacement and repairs, and all maintenance actions taken. The records shall be kept and maintained for compliance inspection upon request. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9.

- Conditions 108 through 113 on the proposed permit assure compliance with this rule.

## **IX. PERMIT SHIELD**

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

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

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

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

The applicant is not requesting any permit shields.

**C. Obsolete Permit Shields from Existing Permit Requirements**

The expiring permits did not contain any obsolete permit shields.

**X. PERMIT CONDITIONS**

See Attachment A - Renewed Title V Operating Permit.

**XI. ATTACHMENTS**

- A. Renewed Title V Operating Permit
- B. Expired Title V Operating Permit
- C. Detailed Facility List
- D. Facility Comments/District Responses



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# ATTACHMENT A

## Renewed Title V Operating Permit

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Facility # C-283  
CHEMICAL WASTE MANAGEMENT, INC  
PO BOX 471  
KETTLEMAN CITY, CA 93239-0471

## Notice of Permit Issuance

The enclosed permit unit requirements authorize the operation of the equipment as described. These permit unit requirements supersede any and all previous permits for the specified equipment.\* Please insert these documents into the Facility Permit to Operate, and post copies on or near the equipment as required by District Rule 2010.

Please contact any of our Small Business Assistance (SBA) staff at the numbers below if you have any questions:

Modesto: (209) 557-6446  
Fresno: (559) 230-5888  
Bakersfield: (661) 392-5665

\*Failure to comply with the permit unit requirements may result in enforcement action.

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

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

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

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



# Permit to Operate

**FACILITY:** C-283

**EXPIRATION DATE:** 08/31/2022

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

CHEMICAL WASTE MANAGEMENT, INC  
PO BOX 471  
KETTLEMAN CITY, CA 93239-0471

**FACILITY LOCATION:**

35251 OLD SKYLINE ROAD  
KETTLEMAN CITY, CA 93239

**FACILITY DESCRIPTION:**

WASTE DISPOSAL

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**Seyed Sadredin**  
Executive Director / APCO

**Arnaud Marjollet**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: C-283-0-3

EXPIRATION DATE: 08/31/2022

## 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] 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] 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 (12/18/14). [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
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

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: CHEMICAL WASTE MANAGEMENT, INC  
Location: 35251 OLD SKYLINE ROAD, KETTLEMAN CITY, CA 93239  
C-283-0-3 : Jan 25 2018 1:36PM -- SRANK

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] Federally Enforceable Through Title V Permit
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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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. An owner or operator of a facility at which the total annual benzene quantity from facility waste is less than 10 megagrams per year (Mg/yr) shall be exempt from the requirements of 40 CFR 61.342(b) and (c). The total annual benzene quantity from facility waste is the sum of the annual benzene quantity for each waste stream at the facility that has a flow-weighted annual average water content greater than 10 percent or that is mixed with water, or other wastes, at any time and the mixture has an annual average water content greater than 10 percent. [40 CFR 61.342(a)] Federally Enforceable Through Title V Permit
40. Exemption to 40 CFR 61.342 will be determined by review of facility records and results from tests and inspections using methods and procedures specified in 40 CFR 61.355. [40 CFR 61.342(g)] Federally Enforceable Through Title V Permit
41. Facility records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity. [40 CFR 61.356] Federally Enforceable Through Title V Permit
42. Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the requirements of 40 CFR 61 Subpart FF. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
43. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
44. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68] Federally Enforceable Through Title V Permit
45. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1 of every 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: C-283-8-7

EXPIRATION DATE: 08/31/2022

## EQUIPMENT DESCRIPTION:

306 HP CATERPILLAR MODEL 3306 DI DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR (900791)

## PERMIT UNIT REQUIREMENTS

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1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The permittee shall document the use of CARB certified diesel fuel through the retention of fuel purchase records indicating that the only fuel purchased for supply to this engine was CARB certified diesel fuel. [District Rule 2520, 9.3.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions shall not exceed 10.4 g-NOx/hp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
5. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing and required regulatory purposes shall not exceed 20 hours per year. [District Rules 2201 and 4702, 4.2.1, 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. 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 Rules 4702, 5.7, 2520, 9.3.2, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. This engine shall be operated using only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight. [District Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. 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, 5.7.3 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



11. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The permittee must maintain records of all required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. 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 Rules 4702, 6.2, 2520, 9.4.2, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] 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:** C-283-11-8

**EXPIRATION DATE:** 08/31/2022

**EQUIPMENT DESCRIPTION:**

HAZARDOUS WASTE LANDFILL (B-18), 15.6 (GROSS) MILLION CUBIC YARD CAPACITY, USED FOR DISPOSAL OF BULK SOLIDS OF EMPTY CONTAINERS, SOLIDS, AND CONTAMINATED SOIL, (67 ACRE)

## PERMIT UNIT REQUIREMENTS

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1. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing 10 days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
3. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Vehicle speeds on all roads shall be limited to fifteen miles per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Materials handling operations associated with landfill construction and operation shall be curtailed when wind and moisture conditions make it likely that any resulting visible emissions will exceed 40% opacity at an elevation of 25 feet. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Any malodorous material received at the B-18 Landfill which exhibits odors detectable at or beyond the facility property boundary shall be covered at the end of the working day with acceptable cover material. [District Rule 4102]
8. Truck operating areas, including roadways within the boundaries of landfill B-18, shall be watered to maintain moisture content such that the generation of dust is controlled. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.154. [40 CFR 61.154] Federally Enforceable Through Title V Permit
10. For purposes of complying with conditions 11 through 15 below, applicable definitions are found from section 40 CFR 61.341. [40 CFR 61.341] Federally Enforceable Through Title V Permit
11. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.342 (a), (f), and (g). Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable requirements of 40 CFR 61.342 (b) through (e) and (h). [40 CFR 61.342] Federally Enforceable Through Title V Permit
12. Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable sections of 40 CFR 61.343 through 61.354. [40 CFR 61.343 through 61.354] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.355 (a), (b), and (c). Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable requirements of 40 CFR 61.355 (d) through (k). [40 CFR 61.355] Federally Enforceable Through Title V Permit
14. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.356 (a), (b) and (c). Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable requirements of 40 CFR 61.356 (d) through (n). [40 CFR 61.356] Federally Enforceable Through Title V Permit
15. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.357 (a), (b), and (c). Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable requirements of 40 CFR 61.357 (d) through (g). [40 CFR 61.357] Federally Enforceable Through Title V Permit
16. With the exception of non-exposed waste (such as containers, drums, macrovaults, transformers, other large objects, etc.), the open face area shall be covered with a minimum of one inch of clean soil, or other alternative daily cover material, or soils permitted for use as daily cover, before the end of each working day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the type of daily cover material used, along with testing results for alternative daily cover materials, such as Class II soils, shall be maintained onsite. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. No more than 7,200 cubic yards per day of waste shall be received for placement into landfill B-18. [District Rule 2201] Federally Enforceable Through Title V Permit
19. No more than 1,800 cubic yards per day of daily cover shall be received for placement onto landfill B-18. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Daily weighted average VOC content of non-containerized landfilled waste shall not exceed any of the following: 10,000 ppmw for the active face or 1,834 ppmw for the landfill (combined active face plus inactive area). [District Rule 2201] Federally Enforceable Through Title V Permit
21. Annual weighted average VOC content of non-containerized landfilled waste shall not exceed 1,834 ppmw for the active face or inactive area. [District Rule 2201] Federally Enforceable Through Title V Permit
22. VOC content of non-containerized landfilled waste shall be determined according to the procedures described in the document entitled "Determination of VOC Content for Bulk Direct Landfilled Waste Destined for Landfill B-18, SDP Number ET-400". [District Rule 2201] Federally Enforceable Through Title V Permit
23. Permittee shall maintain daily records of the weight of wastes, the corresponding ppmw VOC in waste, lab and method used to analyze the sample(s). The VOC content of the waste shall be determined using a combination of generator knowledge and the procedures described in the document entitled "Determination of VOC Content for Bulk Direct Landfilled Waste Destined for Landfill B-18, SDP Number ET-400". Permittee shall also compute and record the daily and annual weighted-average VOC content of non-containerized wastes. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
24. Before the end of each day, the daily weighted-average VOC content for wastes landfilled shall be determined by dividing the sum of all the individual loads VOC's (summation of ppmw x tons) placed in the landfill by the tons of waste placed into the landfill. The VOC content may be determined using the generator analysis and the amount of the materials added to the landfill. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Total PM10 emissions from handling of solid waste and daily cover shall not exceed 0.000453 pounds per ton material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
26. The active open face area, defined as the area where exposed waste is being worked, shall not exceed 0.64 acres in size. [District Rule 2201] Federally Enforceable Through Title V Permit
27. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

28. Soil or other alternative daily cover material that registers 50 ppm by volume or greater when measured as hexane at a distance of three (3) inches above the surface of the soil shall not be used as daily cover. [District Rule 4651] Federally Enforceable Through Title V Permit
29. Contaminated wastes containing organic constituents, with the potential to be used for daily cover, shall be analyzed for VOC content using District approved Organic Vapor Analyzer (OVA) at a distance 3 inches above the surface. These waste materials shall be analyzed at the facility receiving area prior to being transported to the landfill for direct waste disposal or stockpiled and/or used as alternative daily cover. [District Rule 2201] Federally Enforceable Through Title V Permit
30. An OVA reading shall be taken for a minimum of 10 seconds and the highest reading in this 10 second period shall be recorded. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Permittee shall maintain daily records of the volume of wastes received for placement into landfill B-18 and daily records of the volume of daily cover used for placement onto landfill B-18. [District Rule 1070] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records of all OVA readings for waste materials that were considered for use as daily cover. [District Rule 1070] Federally Enforceable Through Title V Permit
33. Permittee shall maintain daily records of size of active open face area. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
34. 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. [District Rule 1070] 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: C-283-14-4

EXPIRATION DATE: 08/31/2022

**EQUIPMENT DESCRIPTION:**

4,400,000 GALLON EVAPORATION POND (P-9) FOR AQUEOUS WASTES

## PERMIT UNIT REQUIREMENTS

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1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(1)(iii)] Federally Enforceable Through Title V Permit
2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)] Federally Enforceable Through Title V Permit
3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)] Federally Enforceable Through Title V Permit
4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)] Federally Enforceable Through Title V Permit
5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)] Federally Enforceable Through Title V Permit
6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District Rule 2080] 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: C-283-15-4

EXPIRATION DATE: 08/31/2022

**EQUIPMENT DESCRIPTION:**

2,100,000 GALLON EVAPORATION POND (P-14) FOR AQUEOUS WASTES

## PERMIT UNIT REQUIREMENTS

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1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(1)(iii)] Federally Enforceable Through Title V Permit
2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)] Federally Enforceable Through Title V Permit
3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)] Federally Enforceable Through Title V Permit
4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)] Federally Enforceable Through Title V Permit
5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)] Federally Enforceable Through Title V Permit
6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District Rule 2080] 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: C-283-17-4

EXPIRATION DATE: 08/31/2022

**EQUIPMENT DESCRIPTION:**

3,900,000 GALLON EVAPORATION POND (P-16) FOR AQUEOUS WASTES

## PERMIT UNIT REQUIREMENTS

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1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(1)(iii)] Federally Enforceable Through Title V Permit
2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)] Federally Enforceable Through Title V Permit
3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)] Federally Enforceable Through Title V Permit
4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)] Federally Enforceable Through Title V Permit
5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)] Federally Enforceable Through Title V Permit
6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District Rule 2080] 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: C-283-19-3

EXPIRATION DATE: 08/31/2022

## EQUIPMENT DESCRIPTION:

WASTE STABILIZATION UNIT WITH FOUR 100 CUBIC YARD PROCESSING TANKS FOR MIXING WASTE AND REAGENT AND TWO REAGENT STORAGE SILOS

*this doesn't match what they asked for*

## PERMIT UNIT REQUIREMENTS

1. This stabilization unit is exempted from the requirements of 40CFR63 Subpart DD because the waste material meets the specifications of 40CFR63.683(b)(2)(iv)(A). The owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(2)(iv)] Federally Enforceable Through Title V Permit
2. Documentation shall be maintained of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)] Federally Enforceable Through Title V Permit
3. Emissions from reagent silos shall be controlled by two Flexkleen model 84 BV-BS 16 II G pulse jet baghouses, S/N W33633 A & B, with one shared with C-283-24. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Unit shall incorporate a dust control system with a Mikropulsaire model 7003-10-20-TRH "C" baghouse, S/N 890339-H1. Process air shall be supplied by a Chicago size 60 model 10B fan, driven by a 200 HP motor. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Odorous liquids or sludge shall be treated and transferred to a landfill only during daylight hours. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Permittee shall maintain records of the materials processed at the waste stabilization site. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2080] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$ ; P is less than or equal to 30 tons per hour, or  $E = 17.31 \times P^{0.16}$ ; P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
10. Permittee shall perform a complete inspection of the baghouses and its components on an annual basis. Filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520, 9.3.2] 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. Visible emissions shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. The Mikropulsaire model 7003-10-20-TRH "C" baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [40 CFR Part 64] Federally Enforceable Through Title V Permit
13. The Mikropulsaire model 7003-10-20-TRH "C" baghouse shall operate at all times with a minimum differential pressure of 3.5 inches water column and a maximum differential pressure of 8 inches water column. During each day of operation, the permittee shall record the differential pressure of the baghouse and compare the readings with the permitted range. If the baghouse's differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouse's differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
14. For the Mikropulsaire model 7003-10-20-TRH "C", the permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
15. For the Mikropulsaire model 7003-10-20-TRH "C", the permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
16. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2) for the Mikropulsaire model 7003-10-20-TRH "C", the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 64] 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:** C-283-20-8

**EXPIRATION DATE:** 08/31/2022

**EQUIPMENT DESCRIPTION:**

GASOLINE DISPENSING OPERATION WITH ONE 10,000 GALLON UNDERGROUND STORAGE TANK SERVED BY OPW PHASE I VAPOR RECOVERY SYSTEM (VR-102-A), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY HEALY EVR PHASE II VAPOR RECOVERY SYSTEM (NOT INCLUDING ISD) (VR-201-G)

## PERMIT UNIT REQUIREMENTS

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1. 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
2. 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
3. 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
4. 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 or 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
5. 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
6. The permittee shall store or dispose of gasoline in closed, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4621] Federally Enforceable Through Title V Permit
7. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

8. 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
9. 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
10. 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
11. 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
12. 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
13. 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
14. The gasoline throughput for this permit unit shall not exceed 600,000 gallons in any one calendar year. [District Rule 2201] 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

16. The permittee shall perform and pass a Static Torque of Rotatable Phase I Adaptors test using ARB procedure TP-201.1B at least once every 36 months. [District Rule 4621] Federally Enforceable Through Title V Permit
17. The permittee shall perform and pass a Pressure Integrity of Drop Tube Drain Valve Assembly Test using ARB TP-201.1C or a Pressure Integrity of Drop Tube Overfill Protection Devices Test using ARB TP-201.1D if an overfill protection device is installed, at least once every 36 months. [District Rule 4621] Federally Enforceable Through Title V Permit
18. The permittee shall perform and pass a Static Leak Test for Underground Tanks using ARB TP-201.3 in accordance with the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
19. The permittee shall perform and pass a Dynamic Back Pressure Test using ARB TP-201.4 at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
20. The permittee shall perform and pass a Vapor-to-Liquid Volume Ratio Test using the test procedure defined in the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every six (6) months. [District Rule 4622] Federally Enforceable Through Title V Permit
21. The permittee shall perform and pass a Static Pressure Test for the Healy Clean Air Separator using the test procedure defined in the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
22. The permittee shall perform and pass a Dispenser vapor Line Tightness test for each dispenser using the test procedure defined in the Installation, Operation and Maintenance manual of the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
23. 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
24. 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
25. 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
26. 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
27. 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
28. 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
29. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. The permittee shall maintain monthly gasoline throughput records. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
31. 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:** C-283-22-18

**EXPIRATION DATE:** 08/31/2022

**EQUIPMENT DESCRIPTION:**

MUNICIPAL SOLID WASTE BIOREACTOR LANDFILL, CLASS II AND III (B-19), 4.2 MILLION CUBIC YARD CAPACITY (40.4 ACRES) WITH GAS COLLECTION AND CONTROL SYSTEM SERVED BY A 2,500 SCFM (EQUIVALENT TO 83.6 MMBTU/HR) PARNEL BIOGAS ENCLOSED FLARE SHARED WITH C-283-25

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1/4 or 5% opacity. [District Rules 2201 and 4101] 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. Each owner or operator shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. [40 CFR 60.758(a)] Federally Enforceable Through Title V Permit
4. 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
5. 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
6. An active collection system shall be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment, collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of 5 years or more if active; or 2 years or more if closed or at final grade, collect gas at a sufficient extraction rate, and be designed to minimize off-site migration of subsurface gas. [40 CFR 60.752(b)(2)(ii)(A)] Federally Enforceable Through Title V Permit
7. Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(i) shall site active collection wells, horizontal collectors, surface collectors, or other extraction devices at a sufficient density throughout all gas producing areas using the procedures in 60.759(a)(1), (2), and (3) unless alternative procedures have been approved by the APCO as provided in 60.752(b)(2)(i)(C) and (D). [40 CFR 60.759(a)] Federally Enforceable Through Title V Permit
8. For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 60.752(b)(2)(ii)(A)(1), one of the equations in Section 60.755(a)(1)(i) or (ii) or (iii) shall be used. [40 CFR 60.755(a)(1)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. For the purposes of determining sufficient density of gas collectors for compliance with 60.752(b)(2)(ii)(A)(2), the owner or operator shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the APCO, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards. [40 CFR 60.755(a)(2)] Federally Enforceable Through Title V Permit
10. For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with 60.752(b)(2)(ii)(A)(3), the owner or operator shall measure gauge pressure in the gas collection header at each individual well, monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under 60.753(b). If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the APCO for approval. [40 CFR 60.755(a)(3)] Federally Enforceable Through Title V Permit
11. Owners or operators are not required to expand the system as required in paragraph 60.755(a)(3) during the first 180 days after gas collection system startup. [40 CFR 60.755(a)(4)] Federally Enforceable Through Title V Permit
12. For the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator shall monitor each well monthly for temperature and nitrogen or oxygen as provided in 60.753(c). If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedance of other operational or performance standards. An alternative timeline for corrected in the exceedance may be submitted to the APCO for approval. [40 CFR 60.755(a)(5)] Federally Enforceable Through Title V Permit
13. The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
14. Surface testing to measure the methane concentration at the surface of the landfill shall be conducted around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. [District Rule 2201, 40 CFR 60.753(d), and 40 CFR 60.755(c)(1)] Federally Enforceable Through Title V Permit
15. Surface testing to measure the methane concentration at the surface of the landfill shall be conducted on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). [40 CFR 60.755(c)(1)] Federally Enforceable Through Title V Permit
16. 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. [District Rule 2201, 40 CFR 60.753(d), 40 CFR 60.755(c), and 40 CFR 60.8] Federally Enforceable Through Title V Permit
17. Permittee shall calculate the NMOC emission rate for purposes of determining when the collection and control system can be removed as provided in 40 CFR 60.752(b)(2)(v) by using the equation found in 40 CFR 60.754(b). [40 CFR 60.754(b)] Federally Enforceable Through Title V Permit
18. Permittee shall operate the enclosed flare at all times when the collected gas is routed to it. [40 CFR 60.753(f)] 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.

19. Permittee shall operate the landfill gas collection system such that gas is collected from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for: (1) five years or more if active; or (2) two years or more if closed or at final grade. [40 CFR 60.753(a)] Federally Enforceable Through Title V Permit
20. Permittee shall operate the landfill gas collection system with negative pressure at each wellhead except under the following conditions: (1) A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in 60.757(f)(1); (2) Use of a geomembrane or synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan; (3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the APCO. [40 CFR 60.753(b)] Federally Enforceable Through Title V Permit
21. Permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 °C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The owner or operator may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decompositions by killing methanogens. [40 CFR 60.753(c)] Federally Enforceable Through Title V Permit
22. If monitoring demonstrates that the operational requirements in paragraphs (b), (c), or (d) of section 60.753 are not met, corrective action shall be taken as specified in 40 CFR 60.755(a)(3 - 5) or (c). If corrective actions are taken as specified in 60.755, the monitored exceedance is not a violation of the operational requirements in this section. [40 CFR 60.753(g)] Federally Enforceable Through Title V Permit
23. Each wellhead shall have a sampling port and a thermometer, other temperature-measuring device, or an access port for temperature measurements. [40 CFR 60.756(a)] Federally Enforceable Through Title V Permit
24. When monitoring interior wellheads for operation for a nitrogen level, the nitrogen level shall be determined using Method 3C, unless an alternative test method is established as allowed by 60.752(b)(2)(i) of this subpart. [40 CFR 60.753(c)(1)] Federally Enforceable Through Title V Permit
25. For each interior wellhead, unless an alternative test method is established as allowed by 60.752(b)(2)(i) of this subpart, the oxygen shall be determined by an oxygen meter using Method 3A or 3C except that: (i) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span; (ii) A data recorder is not required; (iii) Only two calibration gases are required, a zero and span, and ambient air may be used as the span; (iv) A calibration error check is not required; (v) The allowable sample bias, zero drift, and calibration drift are  $\pm 10$  percent. [40 CFR 60.753(c)(2)] Federally Enforceable Through Title V Permit
26. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. [40 CFR 60.755(c)(2)] Federally Enforceable Through Title V Permit
27. Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions. Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the actions specified in 40 CFR 60.755(c)(4)(i-v) shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 60.753(d). [40 CFR 60.755(c)(3), (4)] Federally Enforceable Through Title V Permit
28. For the performance test required in 60.752(b)(2)(iii)(B), Method 25, 25C, or Method 18 of Appendix A 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 APCO as provided by 60.752(b)(2)(i)(B). Method 3 or 3A shall be used to determine oxygen for correcting the NMOC concentration as hexane to 3 percent. In cases where the outlet concentration is less than 50 ppm NMOC as carbon (8 ppm NMOC as hexane), Method 25A should be used in place of Method 25. If using Method 18 of appendix A, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:  $(\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}) / \text{NMOC}_{\text{in}}$ . The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081; 40 CFR 60.754(d)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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29. Permittee shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis. [40 CFR 60.755(c)(5)] Federally Enforceable Through Title V Permit
30. The portable analyzer shall meet the instrument specifications of Method 21, section 3 (except that "methane" shall replace all references to VOC). The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air. To meet the performance evaluation requirements of Method 21, section 3.1.3, the instrument evaluation procedures of Method 21, section 4.4. The calibration procedures provided in Method 21, section 4.2 shall be followed immediately before commencing a surface monitoring survey. The provisions of this condition apply at all times, except during periods of start-up, shutdown, or malfunction (as defined in 40 CFR 60.755(e)). [40 CFR 60.755(d), (e)] Federally Enforceable Through Title V Permit
31. The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collections systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
32. Operator shall measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 60.755(a)(3); and monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5); and monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5). [40 CFR 60.756(a)] Federally Enforceable Through Title V Permit
33. Permittee shall submit an equipment removal report to the District 30 days prior to removal or cessation of operation of the control equipment. The report shall conform to the requirements of 40 CFR 60.757(e)(1). [40 CFR 60.757(e)] Federally Enforceable Through Title V Permit
34. Permittee shall submit to the District semiannual reports of the recorded information in 40 CFR 60.757(f)(1-6). The initial report shall be submitted within 180 days of installation and start-up of the collection and control system, and shall include the initial performance test report required under 40 CFR 60.8. [40 CFR 60.757(f), 40 CFR 63.1980(a)] Federally Enforceable Through Title V Permit
35. Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(iii) shall include information specified in 40 CFR 60.757(g)(1-6) with the initial performance test report required under 40 CFR Part 60.8. [40 CFR 60.757(g)] Federally Enforceable Through Title V Permit
36. The following constitute exceedances that also shall be recorded and reported under 40 CFR 60.757(f): all 3-hour periods of operation during which the average combustion temperature was more than 28 °C below the average combustion temperature during the most recent performance test (flare source test). [40 CFR 60.758(c)] Federally Enforceable Through Title V Permit
37. Except as provided in 60.752(b)(2)(i)(B), each owner or operator of a controlled landfill shall keep up-to-date, readily accessible records for the life of the control equipment of the data listed in paragraphs 60.758(b)(1) through (b)(4) as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal. [40 CFR 60.758(b)] Federally Enforceable Through Title V Permit
38. Permittee shall keep the following records: (1)(i) the maximum expected gas generation flow rate as calculated in 60.755(a)(1). The owner or operator may use another method to determine the maximum gas generation flow rate, if the method has been approved by the APCO; (ii) the density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 60.759(a)(1); (2)(i) the average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test; (ii) the percent reduction of NMOC determined as specified in 60.752(b)(2)(iii)(B) achieved by the control device. [40 CFR 60.758(b)(1) and (2)] Federally Enforceable Through Title V Permit
39. Except as provided in 60.752(b)(2)(i)(B), permittee shall keep, for the life of the collection system, an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector. Permittee shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection. [40 CFR 60.758(d)] 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.

40. Except as provided in 60.752(b)(2)(i)(B), permittee shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance. [40 CFR 60.758(e)] Federally Enforceable Through Title V Permit
41. VOC emissions from the flare and landfill shall not exceed 339.5 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Emissions from the flare shall not exceed any of the following limits: 0.06 lb-NO<sub>x</sub>/MMBtu, 91.1 lb-SO<sub>x</sub>/day, 13,146 lb-SO<sub>x</sub>/year, 0.008 lb-PM<sub>10</sub>/MMBtu, 0.22 lb-CO/MMBtu, or 0.063 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The combined heat input of collected B-17 and B-19 landfill gas into the flare shall not exceed any of the following: 83.6 MMBtu/hr or 398,333 MMBtu/year. Heat input shall be calculated daily using monthly methane measurements (%), landfill gas flow into the flare (cubic feet per minute), and the annually tested landfill gas heat content (Btu/cubic foot). [District Rule 2201] Federally Enforceable Through Title V Permit
44. 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 methane. [District Rule 2201] Federally Enforceable Through Title V Permit
45. The methane destruction efficiency for the enclosed flares shall be at least 99% by weight. [17 CCR 95464 (b)(2)(A)(1)]
46. 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
47. 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
48. 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
49. 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
50. Testing to demonstrate compliance with the daily and annual SO<sub>x</sub> emission limit shall be conducted weekly. Once eight (8) consecutive weekly tests show compliance, the frequency of monitoring sulfur content, and associated SO<sub>x</sub> emissions, may be reduced to monthly. If a monthly test shows violation of the SO<sub>x</sub> emission limit, then weekly testing shall resume and continue until eight (8) consecutive tests show compliance. Once compliance is shown on eight (8) consecutive weekly tests, then testing may return to monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
51. Sulfur content of the landfill gas being combusted in the flare shall be determined using ASTM D 1072, D 3031, D 4084, D 3246 or double GC for H<sub>2</sub>S and mercaptans, or draeger tubes for H<sub>2</sub>S, or an equivalent method approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
52. Total combined Class II/III waste material and Class II soil acceptance rate of C-283-22 and '-25 shall not exceed 2000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
53. Total combined Class II/III waste material acceptance rate of C-283-22 and '-25 shall not exceed 620,000 tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
54. Total combined Class II soil acceptance rate of C-283-22 and '-25 shall not exceed 800 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
55. Total combined clean (<50 ppm by weight VOC) soil cover usage rate of C-283-22 and '-25 shall not exceed 6000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

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56. Total PM10 emissions from handling of Class II/III waste material and soil cover shall not exceed 0.000454 pounds per ton material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
57. Source testing on the flare shall be performed to demonstrate compliance with the flare NOx and CO limits, and the NMOC destruction efficiency of 98%, or no more than 20 ppmvd @ 3% O2 as methane, as required by this permit shall be conducted annually. [District Rule 2201] Federally Enforceable Through Title V Permit
58. Source testing for flare NOx emissions shall be conducted using CARB Method 7 or Method 20. [District Rule 1081] Federally Enforceable Through Title V Permit
59. 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
60. 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
61. The results of each landfill gas sulfur content test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
62. 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
63. 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
64. 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
65. 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
66. Permittee shall maintain records of system inspections including: date, time and inspection results. [District Rule 1070] Federally Enforceable Through Title V Permit
67. Permittee shall maintain records of maintenance related or other collection system and control device downtime, including individual well shutdown. [District Rule 1070] Federally Enforceable Through Title V Permit
68. The operator shall record emission control device source tests (emissions of CO, NOx, and VOC) in pounds per MMbtu heat input. Operator shall also record VOC destruction/treatment efficiency. [District Rule 1081] Federally Enforceable Through Title V Permit
69. Daily records of the weight of materials received (tons) - including Class II/III waste material, Class II soil cover, and clean soil cover - and daily records of all soil organic content test results and certifications, shall be maintained, kept on site for a period of five years, and made available to District staff upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
70. The District shall be notified in writing ten days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
71. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
72. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District Rule 2080] Federally Enforceable Through Title V Permit

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73. A record of continuous flare combustion temperature, continuous volumetric gas flow rate, net heating value of landfill gas being combusted, daily landfill gas fuel consumption, and daily heat input shall be maintained, retained on the premises for a period of at least five years and made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
74. Records of daily and annual landfill gas flow rate, annual test results of higher heating value of landfill gas, and calculated daily and annual SOx emissions shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
75. The collection devices within the interior and along the perimeter areas shall be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues shall be addressed in the design: depths of refuse, refuse gas generation rates and flow characteristics, cover properties, gas system expandibility, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat. [40 CFR 60.759(a)(1)] Federally Enforceable Through Title V Permit
76. The placement of gas collection devices determined in paragraph 60.759(a)(1) shall control all gas producing areas, except as provided by paragraphs 60.759(a)(3)(i) and (a)(3)(ii). [40 CFR 60.759(a)(3)] Federally Enforceable Through Title V Permit
77. The sufficient density of gas collection devices determined in paragraph 60.759(a)(1) shall address landfill gas migration issues and augmentation of the collection system through the use of active or passive systems at the landfill perimeter or exterior. [40 CFR 60.759(a)(2)] Federally Enforceable Through Title V Permit
78. Any segregated area of asbestos or nondegradable material may be excluded from collection if documented as provided under 60.758(d). The documentation shall provide the nature, date of deposition, location and amount of asbestos or nondegradable material deposited in the area, and shall be provided to the Administrator upon request. [40 CFR 60.759(a)(3)(i)] Federally Enforceable Through Title V Permit
79. Any nonproductive area of the landfill may be excluded from control provided that the total of all excluded areas can be shown to contribute less than 1 percent of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material shall be documented and provided to the Administrator upon request. A separate NMOC emissions estimate shall be made for each section proposed for exclusion, and the sum of all such sections shall be compared to the NMOC emissions estimate for the entire landfill. Emissions from each section shall be computed using the equation in Section 60.759(a)(3)(ii). [40 CFR 60.759(a)(3)(ii)] Federally Enforceable Through Title V Permit
80. The values for k and CNMOC in equation in Section 60.759(a)(3)(ii) determined in field testing shall be used if field testing has been performed in determining the NMOC emission rate or the radii of influence (this distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for k, Lo, and CNMOC provided in 60.754(a)(1) or the alternative values from 60.754(a)(5) shall be used. The mass of nondegradable solid waste contained within the given section may be subtracted from the total mass of the section when estimating emissions provided the nature, location, age, and amount of the nondegradable material is documented as provided in paragraph 60.759(a)(3)(i). [40 CFR 60.759(a)(3)(iii)] Federally Enforceable Through Title V Permit

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81. Each owner or operator seeking to comply with 60.752(b)(2)(i)(A) shall construct the gas collection devices using the following equipment or procedures: (1) The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration; (2) Vertical wells shall be placed so as not to endanger underlying liners and shall address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be of sufficient cross-section so as to allow for their proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations; (3) Collection devices may be connected to the collection header pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness. [40 CFR 60.759(b)] Federally Enforceable Through Title V Permit
82. Each owner or operator seeking to comply with 60.752(b)(2)(i)(A) shall convey the landfill gas to a control system in compliance with 60.752(b)(2)(iii) through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment using the following procedures: (1) For existing collection systems, the flow data shall be used to project the maximum flow rate. If no flow data exists, the procedures in paragraph 60.759(c)(2) shall be used; (2) For new collection systems, the maximum flow rate shall be in accordance with 60.755(a)(1). [40 CFR 60.759(c)] Federally Enforceable Through Title V Permit
83. The permittee is no longer required to comply with the requirements of 40 CFR Part 63 Subpart AAAAA for the bioreactor provided the conditions in paragraphs (a) or (b) are met: (a) the affected source meets the control system removal criteria in 40 CFR 60.752(b)(2)(v) of part 60, subpart WWW or the bioreactor meets the criteria for a nonproductive area of the landfill in 40 CFR 60.759(a)(3)(ii) of part 60, subpart WWW; (b) the bioreactor portion of the landfill is a closed landfill as defined in 40 CFR 60.751, subpart WWW and has permanently ceased adding liquids to the bioreactor, and have not added liquids to the bioreactor for at least 1 year. A closure report for the bioreactor must be submitted to the APCO as provided in 40 CFR 60.757(d) of subpart WWW. [40 CFR 63.1952(a) and (b)] Federally Enforceable Through Title V Permit
84. For the bioreactor portions, the permittee shall comply with the general provisions specified in Table 1 of 40 CFR Part 63 Subpart AAAAA and 63.1960 through 63.1985 starting on the date required to install the gas collection and control system and must extend the collection and control system into each new cell or area of the bioreactor prior to initiating liquids addition in that area. [40 CFR 63.1955(b) and (d)(2)] Federally Enforceable Through Title V Permit
85. Continuous parameter monitoring data, collected under 40 CFR 60.756(b)(1), (c)(1), and (d), are used to demonstrate compliance with the operating conditions for control systems. If a deviation occurs, the permittee has failed to meet the control device operation conditions described in this subpart and has deviated from the requirements of this subpart. The permittee shall develop a written SSM plan according to the provisions in 40 CFR 63.6(e)(3). A copy of the SSM plan must be maintained on site. Failure to write or maintain a copy of the SSM plan is a deviation from the requirements of this subpart. [40 CFR 63.1960] Federally Enforceable Through Title V Permit
86. The permittee shall maintain records as specified in the general provisions of 40 CFR part 60 and this part as shown in Table 1 of this subpart. Applicable records in the general provisions include items such as SSM plans and the SSM plan reports. [40 CFR 63.1980(b)] Federally Enforceable Through Title V Permit
87. The permittee shall submit the initial semiannual compliance report and performance tests results described in 40 CFR 60.757(f) within 180 days after the date required to be operating the gas collection and control system by 63.1947(c) of this subpart. [40 CFR 63.1980(e)] Federally Enforceable Through Title V Permit

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88. If a semiannual compliance report for the bioreactor is required as well as a semiannual compliance report for the conventional portion of the same landfill, submittal may be delayed of a subsequent semiannual compliance report for the bioreactor according to the following so that the reports may be submitted on the same schedule: (1) After submittal of the initial semiannual compliance report and performance test results for the bioreactor, the permittee may delay of the submittal of the subsequent semiannual compliance report for the bioreactor until the date of the initial or subsequent semiannual compliance report is due for the conventional portion of the landfill; (2) The permittee may delay submittal of the subsequent semiannual compliance report by no more than 12 months after the due date for submitting the initial semiannual compliance report and performance test results described in 40 CFR 60.757(f) for the bioreactor. The report shall cover the time period since the previous semiannual report for the bioreactor, which would be a period of at least 6 months and no more than 12 months; (3) After the delayed semiannual report, all subsequent semiannual reports for the bioreactor must be submitted every 6 months on the same date the semiannual report for the conventional portion of the landfill is due. [40 CFR 63.1980(f)] Federally Enforceable Through Title V Permit
89. 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. [District Rule 1070] Federally Enforceable Through Title V Permit
90. The landfill surface shall be monitored quarterly. If there are any exceedances during a quarterly event, monitoring will be required monthly until three consecutive months without exceedances, which would allow a return to quarterly monitoring. [District Rule 2201] Federally Enforceable Through Title V Permit
91. After an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the initial exceedance. If compliance is shown, an additional remonitoring event is required within one month of the initial exceedance. If the ten day event shows an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the second exceedance. If compliance is shown, an additional remonitoring is required within one month of the initial exceedance. If the second ten day event shows an exceedance, the permittee shall permit and install additional landfill gas wells to correct the problem within 120 days of the initial exceedance. [District Rule 2201] Federally Enforceable Through Title V Permit
92. 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
93. 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
94. The owner/operator shall install, calibrate, maintain, and operate a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes. This meter shall also be capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. [40 CFR 60.756(c)(2)] Federally Enforceable Through Title V Permit
95. The flare shall be operated with a flame present at all times while gas is being vented to it. The presence of a flame shall be continuously monitored using a thermocouple, ultraviolet sensor, or any other equivalent device located at the pilot light or the flame itself. The flame's presence shall be recorded at least once every 15 minutes. [40 CFR 60.18(c)(2) and 40 CFR 60.756(c)(1)] Federally Enforceable Through Title V Permit
96. The enclosed flare shall be equipped with an accurate temperature indicator/recorder that continuously measures and records the operating temperature. [District Rule 2201 and 40 CFR 60.756(b)(1)] Federally Enforceable Through Title V Permit
97. The enclosed flare shall be equipped with either a device that records flow to the control device at least every 15 minutes; or secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration of the control device. [40 CFR 60.756(b)(2)] Federally Enforceable Through Title V Permit
98. Any closed landfill that has demonstrated compliance in three consecutive quarterly monitoring periods may perform annual monitoring. Quarterly monitoring shall resume if any methane readings of 500 ppm or more above background are detected during annual monitoring. [40 CFR 60.756(f)] Federally Enforceable Through Title V Permit

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99. Permittee shall keep up-to-date, readily accessible continuous records of the indication of flow to the enclosed flare, or the indication of bypass flow, or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines. [40 CFR 60.758(c) and 60.34c] Federally Enforceable Through Title V Permit
100. The non-bioreactor portion of the landfill is no longer required to comply with the requirements of 40 CFR Part 63 Subpart AAAA when it is no longer required to apply controls as specified in 40 CFR 60.752(b)(2)(v) of subpart WWW. [40 CFR 63.1950] Federally Enforceable Through Title V Permit
101. Except for the spreading of landfill cover, when handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
102. Except for the spreading of landfill cover, when transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
103. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8031, 8071, and 8011] Federally Enforceable Through Title V Permit
104. One or more of the following control measures shall be implemented on each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area: water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rule 8071 and 8011] Federally Enforceable Through Title V Permit
105. On each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area, dusting materials accumulated on paved surfaces shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
106. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8071 and 8011] Federally Enforceable Through Title V Permit
107. The flare and gas collection system may be shut down when there is an insufficient amount of landfill gas to operate on. During the shutdown period, all gas collection system vents shall be closed and no emissions shall occur through the gas collection system. [District Rule 2201] Federally Enforceable Through Title V Permit
108. During the shutdown of the gas collection system, surface testing to measure the methane concentration at the surface of the landfill shall be conducted at least once every week using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). After demonstrating compliance on four consecutive tests, the testing frequency shall be at least once every month. [District Rule 2201] Federally Enforceable Through Title V Permit
109. During the shutdown of the gas collection system, if the methane concentration measured during weekly or monthly surface testing exceeds 500 parts per million above background at the surface of the landfill, the testing frequency shall be at least once every other day. After demonstrating compliance on four consecutive tests, the testing frequency shall revert to at least once every week. [District Rule 2201] Federally Enforceable Through Title V Permit

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110. During operation of the enclosed flare, the permittee shall continuously monitor and record combustion chamber temperature. The temperature readings shall not be less than 28 °C (50 °F) below the average combustion temperature determined during the most recent flare source test, averaged over a 3-hour period. Upon detecting any temperature excursion lower than 28 °C (50 °F) below the source test average combustion temperature, averaged over a 3-hour period, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR part 64] Federally Enforceable Through Title V Permit
111. The temperature monitoring device shall be calibrated, maintained, and operated according to the manufacturer's specifications. [40 CFR part 64] Federally Enforceable Through Title V Permit
112. The enclosed flare burner and its associated components and the vapor collection system shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replacement and repairs, and all maintenance actions taken. The records shall be kept and maintained for compliance inspection upon request. [40 CFR part 64] Federally Enforceable Through Title V Permit
113. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
114. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
115. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] Federally Enforceable Through Title V Permit
116. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. [17 CCR 95464 (b)(1)(B), 17 CCR 95469 (b)(3)]
117. 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 except as allowed in sections 95464(c), 95464(d), and 95464(e). [17 CCR 95464(b)(1)(C)]
118. Landfill gas 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 95465]
119. 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)(3). [17 CCR 95469(a)]
120. 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(a)(1)(A)]
121. 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(a)(1)(B)]
122. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470(a)(1)(C)]
123. 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(a)(1)(D)]
124. 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(a)(1)(E)]

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125. Permittee shall conduct surface emission monitoring using either the procedures specified in section 95471(c) or the Los Angeles County Sanitation District monitoring procedure. Permittee shall keep records of which procedure was used. [17 CCR 95468]
126. 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(a)(2)]
127. 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]
128. Permittee shall identify areas which are dangerous and unable to be inspected or contain only inert, non-decomposing waste. 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(a)(5)]
129. 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]
130. Permittee shall terminate surface emission testing when the measured average wind speed is over 10 mph or the instantaneous wind speed is over 20 mph. [17 CCR 95468(a)(3), 17 CCR 95471(c)(1)(C)]
131. 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]
132. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470(a)(1)(F)]
133. 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(a)(1)(G)]
134. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470(a)(1)(H)]
135. The flare must be source tested annually for methane destruction efficiency of at least 99% by weight. If the flare is in compliance after three consecutive source tests, the facility may move to source testing the flare every three years. If subsequent tests show the flare out of compliance, the test frequency shall revert to annual testing. [17 CCR 95464(b)(4)]
136. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464(b)(2)(A)(2)]
137. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464(b)(2)(A)(4)]
138. 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(a)(1)(I)]
139. 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(a)(1)(J)]

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140. 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 °Celsius (or 50 °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(a)(1)(K), 17 CCR 95469(b)(1)(B)]
141. 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(b)]
142. Permittee may request alternatives to the compliance measures, monitoring requirements, test methods and procedures of sections 95464, 95469, and 95471. Any requests must be submitted in writing. [17 CCR 95468]

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-283-24-3

EXPIRATION DATE: 08/31/2022

## EQUIPMENT DESCRIPTION:

4100 CUBIC FEET (30670 GAL) TRANSPORTABLE PNEUMATIC STORAGE SYSTEM ("GUPPY") FOR THE STORAGE AND DELIVERY OF REAGENTS SERVED BY FLECKLEEN MODEL 84 BV-BS 16 II G PULSE JET BAGHOUSE COMMON TO C-283-19

## PERMIT UNIT REQUIREMENTS

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1. Visible emissions from baghouse serving the transportable pneumatic storage system shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2080] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$ ; P is less than or equal to 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
5. Permittee shall perform a complete inspection of the baghouse and its components on an annual basis. Filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Emissions from the Flexkleen model 84 BV-BS 16 II G pulse jet baghouse shall not exceed 0.0049 lb PM10 per ton of reagent. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The maximum throughput for the transportable pneumatic storage system shall not exceed 150 tons of reagent per day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Visible emissions shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Records of daily throughput, dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] 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:** C-283-25-4

**EXPIRATION DATE:** 08/31/2022

**EQUIPMENT DESCRIPTION:**

MUNICIPAL SOLID WASTE LANDFILL, CLASS II AND III (B-17), 18.4 MILLION CUBIC YARD CAPACITY (62 ACRES) WITH GAS COLLECTION AND CONTROL SYSTEM SERVED BY A 2,500 SCFM (EQUIVALENT TO 83.6 MMBTU/HR) PARNEL BIOGAS ENCLOSED FLARE SHARED WITH C-283-22

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1/4 or 5% opacity. [District Rules 2201 and 4101] 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. Each owner or operator shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. [40 CFR 60.758(a)] Federally Enforceable Through Title V Permit
4. 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
5. 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
6. An active collection system shall be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment, collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of 5 years or more if active; or 2 years or more if closed or at final grade, collect gas at a sufficient extraction rate, and be designed to minimize off-site migration of subsurface gas. [40 CFR 60.752(b)(2)(ii)(A)] Federally Enforceable Through Title V Permit
7. Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(i) shall site active collection wells, horizontal collectors, surface collectors, or other extraction devices at a sufficient density throughout all gas producing areas using the procedures in 60.759(a)(1), (2), and (3) unless alternative procedures have been approved by the APCO as provided in 60.752(b)(2)(i)(C) and (D). [40 CFR 60.759(a)] Federally Enforceable Through Title V Permit
8. For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 60.752(b)(2)(ii)(A)(1), one of the equations in Section 60.755(a)(1)(i) or (ii) or (iii) shall be used. [40 CFR 60.755(a)(1)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. For the purposes of determining sufficient density of gas collectors for compliance with 60.752(b)(2)(ii)(A)(2), the owner or operator shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the APCO, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards. [40 CFR 60.755(a)(2)] Federally Enforceable Through Title V Permit
10. For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with 60.752(b)(2)(ii)(A)(3), the owner or operator shall measure gauge pressure in the gas collection header at each individual well, monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under 60.753(b). If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the APCO for approval. [40 CFR 60.755(a)(3)] Federally Enforceable Through Title V Permit
11. Owners or operators are not required to expand the system as required in paragraph 60.755(a)(3) during the first 180 days after gas collection system startup. [40 CFR 60.755(a)(4)] Federally Enforceable Through Title V Permit
12. For the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator shall monitor each well monthly for temperature and nitrogen or oxygen as provided in 60.753(c). If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedance of other operational or performance standards. An alternative timeline for corrected in the exceedance may be submitted to the APCO for approval. [40 CFR 60.755(a)(5)] Federally Enforceable Through Title V Permit
13. The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
14. Surface testing to measure the methane concentration at the surface of the landfill shall be conducted around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. [District Rule 2201, 40 CFR 60.753(d), and 40 CFR 60.755(c)(1)] Federally Enforceable Through Title V Permit
15. Surface testing to measure the methane concentration at the surface of the landfill shall be conducted on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). [40 CFR 60.755(c)(1)] Federally Enforceable Through Title V Permit
16. 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. [District Rule 2201, 40 CFR 60.753(d), 40 CFR 60.755(c), and 40 CFR 60.8] Federally Enforceable Through Title V Permit
17. Permittee shall calculate the NMOC emission rate for purposes of determining when the collection and control system can be removed as provided in 40 CFR 60.752(b)(2)(v) by using the equation found in 40 CFR 60.754(b). [40 CFR 60.754(b)] Federally Enforceable Through Title V Permit
18. Permittee shall operate the enclosed flare at all times when the collected gas is routed to it. [40 CFR 60.753(f)] 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.



19. Permittee shall operate the landfill gas collection system such that gas is collected from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for: (1) five years or more if active; or (2) two years or more if closed or at final grade. [40 CFR 60.753(a)] Federally Enforceable Through Title V Permit
20. Permittee shall operate the landfill gas collection system with negative pressure at each wellhead except under the following conditions: (1) A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in 60.757(f)(1); (2) Use of a geomembrane or synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan; (3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the APCO. [40 CFR 60.753(b)] Federally Enforceable Through Title V Permit
21. Permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 °C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The owner or operator may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decompositions by killing methanogens. [40 CFR 60.753(c)] Federally Enforceable Through Title V Permit
22. If monitoring demonstrates that the operational requirements in paragraphs (b), (c), or (d) of section 60.753 are not met, corrective action shall be taken as specified in 40 CFR 60.755(a)(3 - 5) or (c). If corrective actions are taken as specified in 60.755, the monitored exceedance is not a violation of the operational requirements in this section. [40 CFR 60.753(g)] Federally Enforceable Through Title V Permit
23. Each wellhead shall have a sampling port and a thermometer, other temperature-measuring device, or an access port for temperature measurements. [40 CFR 60.756(a)] Federally Enforceable Through Title V Permit
24. When monitoring interior wellheads for operation for a nitrogen level, the nitrogen level shall be determined using Method 3C, unless an alternative test method is established as allowed by 60.752(b)(2)(i) of this subpart. [40 CFR 60.753(c)(1)] Federally Enforceable Through Title V Permit
25. For each interior wellhead, unless an alternative test method is established as allowed by 60.752(b)(2)(i) of this subpart, the oxygen shall be determined by an oxygen meter using Method 3A or 3C except that: (i) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span; (ii) A data recorder is not required; (iii) Only two calibration gases are required, a zero and span, and ambient air may be used as the span; (iv) A calibration error check is not required; (v) The allowable sample bias, zero drift, and calibration drift are  $\pm 10$  percent. [40 CFR 60.753(c)(2)] Federally Enforceable Through Title V Permit
26. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. [40 CFR 60.755(c)(2)] Federally Enforceable Through Title V Permit
27. Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions. Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the actions specified in 40 CFR 60.755(c)(4)(i-v) shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 60.753(d). [40 CFR 60.755(c)(3), (4)] Federally Enforceable Through Title V Permit
28. For the performance test required in 60.752(b)(2)(iii)(B), Method 25, 25C, or Method 18 of Appendix A 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 APCO as provided by 60.752(b)(2)(i)(B). Method 3 or 3A shall be used to determine oxygen for correcting the NMOC concentration as hexane to 3 percent. In cases where the outlet concentration is less than 50 ppm NMOC as carbon (8 ppm NMOC as hexane), Method 25A should be used in place of Method 25. If using Method 18 of appendix A, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:  $(\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}) / \text{NMOC}_{\text{in}}$ . The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081; 40 CFR 60.754(d)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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29. Permittee shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis. [40 CFR 60.755(c)(5)] Federally Enforceable Through Title V Permit
30. The portable analyzer shall meet the instrument specifications of Method 21, section 3 (except that "methane" shall replace all references to VOC). The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air. To meet the performance evaluation requirements of Method 21, section 3.1.3, the instrument evaluation procedures of Method 21, section 4.4. The calibration procedures provided in Method 21, section 4.2 shall be followed immediately before commencing a surface monitoring survey. The provisions of this condition apply at all times, except during periods of start-up, shutdown, or malfunction (as defined in 40 CFR 60.755(e)). [40 CFR 60.755(d), (e)] Federally Enforceable Through Title V Permit
31. The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collections systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
32. Operator shall measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 60.755(a)(3); and monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5); and monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5). [40 CFR 60.756(a)] Federally Enforceable Through Title V Permit
33. Permittee shall submit an equipment removal report to the District 30 days prior to removal or cessation of operation of the control equipment. The report shall conform to the requirements of 40 CFR 60.757(e)(1). [40 CFR 60.757(e)] Federally Enforceable Through Title V Permit
34. Permittee shall submit to the District semiannual reports of the recorded information in 40 CFR 60.757(f)(1-6). The initial report shall be submitted within 180 days of installation and start-up of the collection and control system, and shall include the initial performance test report required under 40 CFR 60.8. [40 CFR 60.757(f), 40 CFR 63.1980(a)] Federally Enforceable Through Title V Permit
35. Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(iii) shall include information specified in 40 CFR 60.757(g)(1-6) with the initial performance test report required under 40 CFR Part 60.8. [40 CFR 60.757(g)] Federally Enforceable Through Title V Permit
36. The following constitute exceedances that also shall be recorded and reported under 40 CFR 60.757(f): all 3-hour periods of operation during which the average combustion temperature was more than 28 C below the average combustion temperature during the most recent performance test (flare source test). [40 CFR 60.758(c)] Federally Enforceable Through Title V Permit
37. Except as provided in 60.752(b)(2)(i)(B), each owner or operator of a controlled landfill shall keep up-to-date, readily accessible records for the life of the control equipment of the data listed in paragraphs 60.758(b)(1) through (b)(4) as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal. [40 CFR 60.758(b)] Federally Enforceable Through Title V Permit
38. Permittee shall keep the following records: (1)(i) the maximum expected gas generation flow rate as calculated in 60.755(a)(1). The owner or operator may use another method to determine the maximum gas generation flow rate, if the method has been approved by the APCO; (ii) the density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 60.759(a)(1); (2)(i) the average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test; (ii) the percent reduction of NMOC determined as specified in 60.752(b)(2)(iii)(B) achieved by the control device. [40 CFR 60.758(b)(1) and (2)] Federally Enforceable Through Title V Permit
39. Except as provided in 60.752(b)(2)(i)(B), permittee shall keep, for the life of the collection system, an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector. Permittee shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection. [40 CFR 60.758(d)] 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.

40. Except as provided in 60.752(b)(2)(i)(B), permittee shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance. [40 CFR 60.758(e)] Federally Enforceable Through Title V Permit
41. VOC emissions from the flare and landfill shall not exceed 240.7 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Emissions from the flare shall not exceed any of the following limits: 0.06 lb-NO<sub>x</sub>/MMBtu, 91.1 lb-SO<sub>x</sub>/day, 13,146 lb-SO<sub>x</sub>/year, 0.008 lb-PM<sub>10</sub>/MMBtu, 0.22 lb-CO/MMBtu, or 0.063 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The combined heat input of collected B-17 and B-19 landfill gas into the flare shall not exceed any of the following: 83.6 MMBtu/hr or 398,333 MMBtu/year. Heat input shall be calculated daily using monthly methane measurements (%), landfill gas flow into the flare (cubic feet per minute), and the annually tested landfill gas heat content (Btu/cubic foot). [District Rule 2201] Federally Enforceable Through Title V Permit
44. 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 methane. [District Rule 2201] Federally Enforceable Through Title V Permit
45. The methane destruction efficiency for the enclosed flares shall be at least 99% by weight. [17 CCR 95464(b)(2)(A)(1)]
46. 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
47. 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
48. 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
49. 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
50. Testing to demonstrate compliance with the daily and annual SO<sub>x</sub> emission limit shall be conducted weekly. Once eight (8) consecutive weekly tests show compliance, the frequency of monitoring sulfur content, and associated SO<sub>x</sub> emissions, may be reduced to monthly. If a monthly test shows violation of the SO<sub>x</sub> emission limit, then weekly testing shall resume and continue until eight (8) consecutive tests show compliance. Once compliance is shown on eight (8) consecutive weekly tests, then testing may return to monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
51. Sulfur content of the landfill gas being combusted in the flare shall be determined using ASTM D 1072, D 3031, D 4084, D 3246 or double GC for H<sub>2</sub>S and mercaptans, or draeger tubes for H<sub>2</sub>S, or an equivalent method approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
52. Total combined Class II/III waste material and Class II soil acceptance rate of C-283-22 and '-25 shall not exceed 2000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
53. Total combined Class II/III waste material acceptance rate of C-283-22 and '-25 shall not exceed 620,000 tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
54. Total combined Class II soil acceptance rate of C-283-22 and '-25 shall not exceed 800 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
55. Total combined clean (<50 ppm by weight VOC) soil cover usage rate of C-283-22 and '-25 shall not exceed 6000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

56. Total PM10 emissions from handling of Class II/III waste material and soil cover shall not exceed 0.000454 pounds per ton material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
57. Source testing on the flare shall be performed to demonstrate compliance with the flare NOx and CO limits, and the NMOC destruction efficiency of 98%, or no more than 20 ppmvd @ 3% O2 as methane, 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
58. Source testing for flare NOx emissions shall be conducted using CARB Method 7 or Method 20. [District Rule 1081] Federally Enforceable Through Title V Permit
59. 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
60. 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
61. The results of each landfill gas sulfur content test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
62. 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
63. 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
64. 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
65. 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
66. Permittee shall maintain records of system inspections including: date, time and inspection results. [District Rule 1070] Federally Enforceable Through Title V Permit
67. Permittee shall maintain records of maintenance related or other collection system and control device downtime, including individual well shutdown. [District Rule 1070] Federally Enforceable Through Title V Permit
68. The operator shall record emission control device source tests (emissions of CO, NOx, and VOC) in pounds per MMBtu heat input. Operator shall also record VOC destruction/treatment efficiency. [District Rule 1081] Federally Enforceable Through Title V Permit
69. Daily records of the weight of materials received (tons) - including Class II/III waste material, Class II soil cover, and clean soil cover - and daily records of all soil organic content test results and certifications, shall be maintained, kept on site for a period of five years, and made available to District staff upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
70. The District shall be notified in writing ten days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
71. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
72. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District Rule 208] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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73. A record of continuous flare combustion temperature, continuous volumetric gas flow rate, net heating value of landfill gas being combusted, daily landfill gas fuel consumption, and daily heat input shall be maintained, retained on the premises for a period of at least five years and made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
74. Records of daily and annual landfill gas flow rate, annual test results of higher heating value of landfill gas, and calculated daily and annual SOx emissions shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
75. The collection devices within the interior and along the perimeter areas shall be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues shall be addressed in the design: depths of refuse, refuse gas generation rates and flow characteristics, cover properties, gas system expandability, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat. [40 CFR 60.759(a)(1)] Federally Enforceable Through Title V Permit
76. The placement of gas collection devices determined in paragraph 60.759(a)(1) shall control all gas producing areas, except as provided by paragraphs 60.759(a)(3)(i) and (a)(3)(ii). [40 CFR 60.759(a)(3)] Federally Enforceable Through Title V Permit
77. The sufficient density of gas collection devices determined in paragraph 60.759(a)(1) shall address landfill gas migration issues and augmentation of the collection system through the use of active or passive systems at the landfill perimeter or exterior. [40 CFR 60.759(a)(2)] Federally Enforceable Through Title V Permit
78. Any segregated area of asbestos or nondegradable material may be excluded from collection if documented as provided under 60.758(d). The documentation shall provide the nature, date of deposition, location and amount of asbestos or nondegradable material deposited in the area, and shall be provided to the Administrator upon request. [40 CFR 60.759(a)(3)(i)] Federally Enforceable Through Title V Permit
79. Any nonproductive area of the landfill may be excluded from control provided that the total of all excluded areas can be shown to contribute less than 1 percent of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material shall be documented and provided to the Administrator upon request. A separate NMOC emissions estimate shall be made for each section proposed for exclusion, and the sum of all such sections shall be compared to the NMOC emissions estimate for the entire landfill. Emissions from each section shall be computed using the equation in Section 60.759(a)(3)(ii). [40 CFR 60.759(a)(3)(ii)] Federally Enforceable Through Title V Permit
80. The values for  $k$  and CNMOC in equation in Section 60.759(a)(3)(ii) determined in field testing shall be used if field testing has been performed in determining the NMOC emission rate or the radii of influence (this distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for  $k$ ,  $L_0$ , and CNMOC provided in 60.754(a)(1) or the alternative values from 60.754(a)(5) shall be used. The mass of nondegradable solid waste contained within the given section may be subtracted from the total mass of the section when estimating emissions provided the nature, location, age, and amount of the nondegradable material is documented as provided in paragraph 60.759(a)(3)(i). [40 CFR 60.759(a)(3)(iii)] 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.

81. Each owner or operator seeking to comply with 60.752(b)(2)(i)(A) shall construct the gas collection devices using the following equipment or procedures: (1) The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration; (2) Vertical wells shall be placed so as not to endanger underlying liners and shall address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be of sufficient cross-section so as to allow for their proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations; (3) Collection devices may be connected to the collection header pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness. [40 CFR 60.759(b)] Federally Enforceable Through Title V Permit
82. Each owner or operator seeking to comply with 60.752(b)(2)(i)(A) shall convey the landfill gas to a control system in compliance with 60.752(b)(2)(iii) through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment using the following procedures: (1) For existing collection systems, the flow data shall be used to project the maximum flow rate. If no flow data exists, the procedures in paragraph 60.759(c)(2) shall be used; (2) For new collection systems, the maximum flow rate shall be in accordance with 60.755(a)(1). [40 CFR 60.759(c)] Federally Enforceable Through Title V Permit
83. Continuous parameter monitoring data, collected under 40 CFR 60.756(b)(1), (c)(1), and (d), are used to demonstrate compliance with the operating conditions for control systems. If a deviation occurs, the permittee has failed to meet the control device operation conditions described in this subpart and has deviated from the requirements of this subpart. The permittee shall develop a written SSM plan according to the provisions in 40 CFR 63.6(e)(3). A copy of the SSM plan must be maintained on site. Failure to write or maintain a copy of the SSM plan is a deviation from the requirements of this subpart. [40 CFR 63.1960] Federally Enforceable Through Title V Permit
84. The permittee shall maintain records as specified in the general provisions of 40 CFR part 60 and this part as shown in Table 1 of this subpart. Applicable records in the general provisions include items such as SSM plans and the SSM plan reports. [40 CFR 63.1980(b)] Federally Enforceable Through Title V Permit
85. The permittee shall submit the initial semiannual compliance report and performance tests results described in 40 CFR 60.757(f) within 180 days after the date required to being operating the gas collection and control system by 63.1947(c) of this subpart. [40 CFR 63.1980(e)] Federally Enforceable Through Title V Permit
86. 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. [District Rule 1070] Federally Enforceable Through Title V Permit
87. The landfill surface shall be monitored quarterly. If there are any exceedances during a quarterly event, monitoring will be required monthly until three consecutive months without exceedances, which would allow a return to quarterly monitoring. [District Rule 2201] Federally Enforceable Through Title V Permit
88. After an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the initial exceedance. If compliance is shown, an additional remonitoring event is required within one month of the initial exceedance. If the ten day event shows an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the second exceedance. If compliance is shown, an additional remonitoring is required within one month of the initial exceedance. If the second ten day event shows an exceedance, the permittee shall permit and install additional landfill gas wells to correct the problem within 120 days of the initial exceedance. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

89. 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
90. 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
91. The owner/operator shall install, calibrate, maintain, and operate a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes. This meter shall also be capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. [40 CFR 60.756(c)(2)] Federally Enforceable Through Title V Permit
92. The flare shall be operated with a flame present at all times while gas is being vented to it. The presence of a flame shall be continuously monitored using a thermocouple, ultraviolet sensor, or any other equivalent device located at the pilot light or the flame itself. The flame's presence shall be recorded at least once every 15 minutes. [40 CFR 60.18(c)(2) and 40 CFR 60.756(c)(1)] Federally Enforceable Through Title V Permit
93. The enclosed flare shall be equipped with an accurate temperature indicator/recorder that continuously measures and records the operating temperature. [District Rule 2201; 40 CFR 60.756(b)(1)] Federally Enforceable Through Title V Permit
94. The enclosed flare shall be equipped with either a device that records flow to the control device at least every 15 minutes; or secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration of the control device. [40 CFR 60.756(b)(2)] Federally Enforceable Through Title V Permit
95. Any closed landfill that has demonstrated compliance in three consecutive quarterly monitoring periods may perform annual monitoring. Quarterly monitoring shall resume if any methane readings of 500 ppm or more above background are detected during annual monitoring. [40 CFR 60.756(f)] Federally Enforceable Through Title V Permit
96. Permittee shall keep up-to-date, readily accessible continuous records of the indication of flow to the enclosed flare, or the indication of bypass flow, or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines. [40 CFR 60.758(c) and 60.34c] Federally Enforceable Through Title V Permit
97. The landfill is no longer required to comply with the requirements of 40 CFR Part 63 Subpart AAAA when it is no longer required to apply controls as specified in 40 CFR 60.752(b)(2)(v) of subpart WWW. [40 CFR 63.1950] Federally Enforceable Through Title V Permit
98. Except for the spreading of landfill cover, when handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
99. Except for the spreading of landfill cover, when transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
100. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8031, 8071, and 8011] 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.



101. One or more of the following control measures shall be implemented on each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area: water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rule 8071 and 8011] Federally Enforceable Through Title V Permit
102. On each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area, dusting materials accumulated on paved surfaces shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
103. Whenever any portion of the site becomes inactive, Permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8071 and 8011] Federally Enforceable Through Title V Permit
104. The flare and gas collection system may be shut down when there is an insufficient amount of landfill gas to operate on. During the shutdown period, all gas collection system vents shall be closed and no emissions shall occur through the gas collection system. [District Rule 2201] Federally Enforceable Through Title V Permit
105. During the shutdown of the gas collection system, surface testing to measure the methane concentration at the surface of the landfill shall be conducted at least once every week using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). After demonstrating compliance on four consecutive tests, the testing frequency shall be at least once every month. [District Rule 2201] Federally Enforceable Through Title V Permit
106. During the shutdown of the gas collection system, if the methane concentration measured during weekly or monthly surface testing exceeds 500 parts per million above background at the surface of the landfill, the testing frequency shall be at least once every other day. After demonstrating compliance on four consecutive tests, the testing frequency shall revert to at least once every week. [District Rule 2201] Federally Enforceable Through Title V Permit
107. During operation of the enclosed flare, the permittee shall continuously monitor and record combustion chamber temperature. The temperature readings shall not be less than 28 °C (50 °F) below the average combustion temperature determined during the most recent flare source test, averaged over a 3-hour period. Upon detecting any temperature excursion lower than 28 °C (50 °F) below the source test average combustion temperature, averaged over a 3-hour period, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR part 64] Federally Enforceable Through Title V Permit
108. The temperature monitoring device shall be calibrated, maintained, and operated according to the manufacturer's specifications. [40 CFR part 64] Federally Enforceable Through Title V Permit
109. The enclosed flare burner and its associated components and the vapor collection system shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replacement and repairs, and all maintenance actions taken. The records shall be kept and maintained for compliance inspection upon request. [40 CFR part 64] Federally Enforceable Through Title V Permit
110. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
111. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
112. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] 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.



113. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. [17 CCR 95464(b)(1)(B), 17CCR 95469(b)(3)]
114. 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 except as allowed in sections 95464(c), 95464(d), and 95464(e). [17 CCR 95464(b)(1)(C)]
115. Landfill gas 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 95465]
116. 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)(3). [17 CCR 95469(a)]
117. 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(a)(1)(A)]
118. 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(a)(1)(B)]
119. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470(a)(1)(C)]
120. 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(a)(1)(D)]
121. 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(a)(1)(E)]
122. Permittee shall conduct surface emission monitoring using either the procedures specified in section 95471(c) or the Los Angeles County Sanitation District monitoring procedure. Permittee shall keep records of which procedure was used. [17 CCR 95468]
123. 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(a)(2)]
124. 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]
125. Permittee shall identify areas which are dangerous and unable to be inspected or contain only inert, non-decomposing waste. 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(a)(5)]
126. 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]
127. Permittee shall terminate surface emission testing when the measured average wind speed is over 10 mph or the instantaneous wind speed is over 20 mph. [17 CCR 95468(a)(3), 17 CCR 95471(c)(1)(C)]
128. 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]
129. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470(a)(1)(F)]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

130. 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(a)(1)(G)]
131. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470(a)(1)(H)]
132. The flare must be source tested annually for methane destruction efficiency of at least 99% by weight. If the flare is in compliance after three consecutive source tests, the facility may move to source testing the flare every three years. If subsequent tests show the flare out of compliance, the test frequency shall revert to annual testing. [17 CCR 95464(b)(4)(A)]
133. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464(b)(2)(A)(2)]
134. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464(b)(2)(A)(4)]
135. 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(a)(1)(I)]
136. 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(a)(1)(J)]
137. 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 °Celsius (or 50 °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(a)(1)(K), 17 CCR 95469(b)(1)(B)]
138. 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(b)]
139. Permittee may request alternatives to the compliance measures, monitoring requirements, test methods and procedures of sections 95464, 95469, and 95471. Any requests must be submitted in writing. [17 CCR 95468]

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

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# ATTACHMENT B

Expired Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: C-283-0-2

EXPIRATION DATE: 08/31/2016

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1 and Kings County Rule 111] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0 and Kings County Rule 111] 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: CHEMICAL WASTE MANAGEMENT, INC  
Location: 35251 OLD SKYLINE ROAD, KETTLEMAN CITY, CA 93239

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] 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. An owner or operator of a facility at which the total annual benzene quantity from facility waste is less than 10 megagrams per year (Mg/yr) shall be exempt from the requirements of 40 CFR 61.342(b) and (c). The total annual benzene quantity from facility waste is the sum of the annual benzene quantity for each waste stream at the facility that has a flow-weighted annual average water content greater than 10 percent or that is mixed with water, or other wastes, at any time and the mixture has an annual average water content greater than 10 percent. [40 CFR 61.342(a)] Federally Enforceable Through Title V Permit
40. Exemption to 40 CFR 61.342 will be determined by review of facility records and results from tests and inspections using methods and procedures specified in 40 CFR 61.355. [40 CFR 61.342(g)] Federally Enforceable Through Title V Permit
41. Facility records shall include all test results, measurements, calculations, and other documentation used to determine the following information for the waste stream: waste stream identification, water content, whether or not the waste stream is a process wastewater stream, annual waste quantity, range of benzene concentrations, annual average flow-weighted benzene concentration, and annual benzene quantity. [40 CFR 61.356] Federally Enforceable Through Title V Permit
42. Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the requirements of 40 CFR 61 Subpart FF. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
43. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
44. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68] Federally Enforceable Through Title V Permit
45. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1 of every 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: C-283-8-6

EXPIRATION DATE: 08/31/2016

## EQUIPMENT DESCRIPTION:

306 HP CATERPILLAR MODEL 3306 DI DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR (900791)

## PERMIT UNIT REQUIREMENTS

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1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Kings County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.3.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions shall not exceed 10.4 g-NOx/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing and required regulatory purposes shall not exceed 20 hours per year. [District NSR Rule, Rule 4702, 4.2.1, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. 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 Rules 4702, 5.7, and 2520, 9.3.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. This engine shall be operated using only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight. [District Rule 4801, Kings County Rule 407 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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, 5.7.3] Federally Enforceable Through Title V Permit
10. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



11. 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 Rules 4702, 6.2, 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

Facility Name: CHEMICAL WASTE MANAGEMENT, INC  
Location: 35251 OLD SKYLINE ROAD, KETTLEMAN CITY, CA 93239

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-283-11-7

**EXPIRATION DATE:** 08/31/2016

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF HAZARDOUS WASTE LANDFILL (B-18), 10.7 (GROSS) MILLION CUBIC YARD CAPACITY, USED FOR DISPOSAL OF BULK SOLIDS OF EMPTY CONTAINERS, SOLIDS, AND CONTAMINATED SOIL, (53 ACRE):

## PERMIT UNIT REQUIREMENTS

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1. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing 10 days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
3. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Vehicle speeds on all roads shall be limited to fifteen miles per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Materials handling operations associated with landfill construction and operation shall be curtailed when wind and moisture conditions make it likely that any resulting visible emissions will exceed 40% opacity at an elevation of 25 feet. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Any malodorous material received at the B-18 Landfill which exhibits odors detectable at or beyond the facility property boundary shall be covered at the end of the working day with acceptable cover material. [District Rule 4102]
8. Truck operating areas, including roadways within the boundaries of landfill B-18, shall be watered to maintain moisture content such that the generation of dust is controlled. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.154. [40 CFR 61.154] Federally Enforceable Through Title V Permit
10. For purposes of complying with conditions 11 through 15 below, applicable definitions are found from section 40 CFR 61.341. [40 CFR 61.341] Federally Enforceable Through Title V Permit
11. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.342 (a), (f), and (g). Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable requirements of 40 CFR 61.342 (b) through (e) and (h). [40 CFR 61.342] Federally Enforceable Through Title V Permit
12. Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable sections of 40 CFR 61.343 through 61.354. [40 CFR 61.343 through 61.354] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.355 (a), (b), and (c). Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable requirements of 40 CFR 61.355 (d) through (k). [40 CFR 61.355] Federally Enforceable Through Title V Permit
14. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.356 (a), (b) and (c). Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable requirements of 40 CFR 61.356 (d) through (n). [40 CFR 61.356] Federally Enforceable Through Title V Permit
15. Each owner or operator shall comply with applicable paragraphs of section 40 CFR 61.357 (a), (b), and (c). Prior to accepting benzene waste in excess of 10 Mg/yr, facility shall apply for modification of this operating permit to satisfy the applicable requirements of 40 CFR 61.357 (d) through (g). [40 CFR 61.357] Federally Enforceable Through Title V Permit
16. With the exception of non-exposed waste (such as containers, drums, macrovaults, transformers, other large objects, etc.), the open face area shall be covered with a minimum of one inch of clean soil, or other alternative daily cover material, or soils permitted for use as daily cover, before the end of each working day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the type of daily cover material used, along with testing results for alternative daily cover materials, such as Class II soils, shall be maintained onsite. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. No more than 7,200 cubic yards per day of waste shall be received for placement into landfill B-18. [District Rule 2201] Federally Enforceable Through Title V Permit
19. No more than 1,800 cubic yards per day of daily cover shall be received for placement onto landfill B-18. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Daily weighted average VOC content of non-containerized landfilled waste shall not exceed any of the following: 10,000 ppmw for the active face or 1,834 ppmw for the landfill (combined active face plus inactive area). [District Rule 2201] Federally Enforceable Through Title V Permit
21. Annual weighted average VOC content of non-containerized landfilled waste shall not exceed 1,834 ppmw for the active face or inactive area. [District Rule 2201] Federally Enforceable Through Title V Permit
22. VOC content of non-containerized landfilled waste shall be determined according to the procedures described in the document entitled "Determination of VOC Content for Bulk Direct Landfilled Waste Destined for Landfill B-18, SDP Number ET-400". [District Rule 2201] Federally Enforceable Through Title V Permit
23. Permittee shall maintain daily records of the weight of wastes, the corresponding ppmw VOC in waste, lab and method used to analyze the sample(s). The VOC content of the waste shall be determined using a combination of generator knowledge and the procedures described in the document entitled "Determination of VOC Content for Bulk Direct Landfilled Waste Destined for Landfill B-18, SDP Number ET-400". Permittee shall also compute and record the daily and annual weighted-average VOC content of non-containerized wastes. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
24. Before the end of each day, the daily weighted-average VOC content for wastes landfilled shall be determined by dividing the sum of all the individual loads VOC's (summation of ppmw x tons) placed in the landfill by the tons of waste placed into the landfill. The VOC content may be determined using the generator analysis and the amount of the materials added to the landfill. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Total PM10 emissions from handling of solid waste and daily cover shall not exceed 0.000453 pounds per ton material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
26. The active open face area, defined as the area where exposed waste is being worked, shall not exceed 0.64 acres in size. [District Rule 2201] Federally Enforceable Through Title V Permit
27. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

28. Soil or other alternative daily cover material that registers 50 ppm by volume or greater when measured as hexane at a distance of three (3) inches above the surface of the soil shall not be used as daily cover. [District Rule 4651] Federally Enforceable Through Title V Permit
29. Contaminated wastes containing organic constituents, with the potential to be used for daily cover, shall be analyzed for VOC content using District approved Organic Vapor Analyzer (OVA) at a distance 3 inches above the surface. These waste materials shall be analyzed at the facility receiving area prior to being transported to the landfill for direct waste disposal or stockpiled and/or used as alternative daily cover. [District Rule 2201] Federally Enforceable Through Title V Permit
30. An OVA reading shall be taken for a minimum of 10 seconds and the highest reading in this 10 second period shall be recorded. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Permittee shall maintain daily records of the volume of wastes received for placement into landfill B-18 and daily records of the volume of daily cover used for placement onto landfill B-18. [District Rule 1070] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records of all OVA readings for waste materials that were considered for use as daily cover. [District Rule 1070] Federally Enforceable Through Title V Permit
33. Permittee shall maintain daily records of size of active open face area. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
34. 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. [District Rule 1070] 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: C-283-14-3

EXPIRATION DATE: 08/31/2016

**EQUIPMENT DESCRIPTION:**

4,400,000 GALLON EVAPORATION POND (P-9) FOR AQUEOUS WASTES

## PERMIT UNIT REQUIREMENTS

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1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(1)(iii)] Federally Enforceable Through Title V Permit
2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)] Federally Enforceable Through Title V Permit
3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)] Federally Enforceable Through Title V Permit
4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)] Federally Enforceable Through Title V Permit
5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)] Federally Enforceable Through Title V Permit
6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District NSR Rule and 4102] Federally Enforceable Through Title V Permit
8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District NSR Rule] 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: C-283-15-3

EXPIRATION DATE: 08/31/2016

**EQUIPMENT DESCRIPTION:**

2,100,000 GALLON EVAPORATION POND (P-14) FOR AQUEOUS WASTES

## PERMIT UNIT REQUIREMENTS

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1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(1)(iii)] Federally Enforceable Through Title V Permit
2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)] Federally Enforceable Through Title V Permit
3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)] Federally Enforceable Through Title V Permit
4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)] Federally Enforceable Through Title V Permit
5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)] Federally Enforceable Through Title V Permit
6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District NSR Rule and 4102] Federally Enforceable Through Title V Permit
8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District NSR Rule] 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: C-283-17-3

EXPIRATION DATE: 08/31/2016

**EQUIPMENT DESCRIPTION:**

3,900,000 GALLON EVAPORATION POND (P-16) FOR AQUEOUS WASTES

## PERMIT UNIT REQUIREMENTS

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1. Before placing off-site material in the pond, permittee must determine that the average VOHAP concentration of the off-site material is less than 500 parts per million by weight (ppmw) at the point-of-delivery. Permittee must perform an initial determination of the average VOHAP concentration of the off-site material using the procedures specified in 40 CFR 63.694(b). This initial determination must be performed before the first time any portion of the off-site material stream is placed in the pond. Thereafter, the owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(1)(iii)] Federally Enforceable Through Title V Permit
2. Documentation shall be prepared that presents the information used as the basis for permittee's knowledge of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)] Federally Enforceable Through Title V Permit
3. If test data are used as the basis for knowledge, then permittee shall document the test method, sampling protocol, and the means by which sampling variability and analytical variability are accounted for in the determination of the average VOHAP concentration. For example, a permittee may use HAP concentration test data for the off-site material stream that are validated in accordance with EPA Method 301 as the basis for knowledge of the off-site material. [40 CFR 63.694(b)(3)(ii)] Federally Enforceable Through Title V Permit
4. A permittee using species-specific chemical concentration test data as the basis for knowledge of the off-site material may adjust the test data to the corresponding average VOHAP concentration value which would be obtained had the off-site material samples been analyzed using EPA Method 305. To adjust these data, the measured concentration for each individual HAP chemical species contained in the off-site material is multiplied by the appropriate species-specific adjustment factor (fm305) listed in Table 1 to Subpart DD. [40 CFR 63.694(b)(3)(iii)] Federally Enforceable Through Title V Permit
5. In the event that the Administrator and the permittee disagree on a determination of the average VOHAP concentration for an off-site material stream using knowledge, then the results from a determination of VOHAP concentration using direct measurement as specified in 40 CFR 63.694(b)(2) shall be used to establish compliance with the applicable requirements of this subpart. The Administrator may perform or request that the permittee perform this determination using direct measurement. [40 CFR 63.694(b)(3)(iv)] Federally Enforceable Through Title V Permit
6. The District shall be notified in writing 10 days prior to the acceptance of any new waste stream causing, or having the potential to cause, emissions of pollutants designated under the National Emissions Standards for Hazardous Air Pollutants which are not already addressed in this permit. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

7. The District shall be notified 10 working days prior to the acceptance of new types of waste streams, or of new waste streams with potentially significant malodorous qualities. [District NSR Rule and 4102] Federally Enforceable Through Title V Permit
8. A District-approved anemometer shall operate continuously on site with permanent data available to the District. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Hazardous wastes capable of releasing hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere. [District NSR Rule] 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: C-283-19-2

EXPIRATION DATE: 08/31/2016

## EQUIPMENT DESCRIPTION:

WASTE STABILIZATION UNIT WITH FOUR 85 CUBIC YARD PROCESSING TANKS FOR MIXING WASTE AND REAGENT AND TWO REAGENT STORAGE SILOS

## PERMIT UNIT REQUIREMENTS

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1. This stabilization unit is exempted from the requirements of 40CFR Subpart DD because the waste material meets the specifications of 40CFR63.683(b)(2)(iv)(A). The owner or operator must review and update, as necessary, this determination at least once every calendar year following the date of the initial determination for the off-site material stream. [40 CFR 63.683(b)(2)(iv)] Federally Enforceable Through Title V Permit
2. Documentation shall be maintained of the off-site material stream's average VOHAP concentration. Examples of information that may be used as the basis for knowledge include: material balances for the source or process generating the off-site material stream; species-specific chemical test data for the off-site material stream from previous testing that are still applicable to the current off-site material stream; previous test data for other locations managing the same type of off-site material stream; or other knowledge based on information in documents such as manifests, shipping papers, or waste certification notices. [40 CFR 63.694(b)(3)(i)] Federally Enforceable Through Title V Permit
3. Emissions from reagent silos shall be controlled by two Flexkleen model 84 BV-BS 16 II G pulse jet baghouses, S/N W33633 A & B, with one shared with C-283-24. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Unit shall incorporate a dust control system with a Mikropulsaire model 7003-10-20-TRH "C" baghouse, S/N 890339-H1. Process air shall be supplied by a Chicago size 60 model 10B fan, driven by a 200 HP motor. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Odorous liquids or sludge shall be treated and transferred to a landfill only during daylight hours. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Permittee shall maintain records of the materials processed at the waste stabilization site. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2080] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$ ; P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.16}$ ; P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
10. Permittee shall perform a complete inspection of the baghouses and its components on an annual basis. Filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520, 9.3.2] 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. Visible emissions shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. The Mikropulsaire model 7003-10-20-TRH "C" baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [40 CFR Part 64] Federally Enforceable Through Title V Permit
13. The Mikropulsaire model 7003-10-20-TRH "C" baghouse shall operate at all times with a minimum differential pressure of 3.5 inches water column and a maximum differential pressure of 8 inches water column. During each day of operation, the permittee shall record the differential pressure of the baghouse and compare the readings with the permitted range. If the baghouse's differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouse's differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
14. For the Mikropulsaire model 7003-10-20-TRH "C", the permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
15. For the Mikropulsaire model 7003-10-20-TRH "C", the permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
16. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2) for the Mikropulsaire model 7003-10-20-TRH "C", the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 64] 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: C-283-20-5

EXPIRATION DATE: 08/31/2016

## EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 10,000 GALLON UNDERGROUND STORAGE TANK SERVED BY OPW PHASE I VAPOR RECOVERY SYSTEM (VR-102-A), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY HEALY EVR PHASE II VAPOR RECOVERY SYSTEM (NOT INCLUDING ISD) (VR-201-G)

## PERMIT UNIT REQUIREMENTS

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1. 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
2. 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
3. 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
4. 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 or 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
5. 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
6. The permittee shall store or dispose of gasoline in closed, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4621] Federally Enforceable Through Title V Permit
7. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

8. 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
9. 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
10. 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
11. 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
12. 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
13. 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
14. The gasoline throughput for this permit unit shall not exceed 600,000 gallons in any one calendar year. [District NSR Rule] 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

16. The permittee shall perform and pass a Static Torque of Rotatable Phase I Adaptors test using ARB procedure TP-201.1B at least once every 36 months. [District Rule 4621] Federally Enforceable Through Title V Permit
17. The permittee shall perform and pass a Pressure Integrity of Drop Tube Drain Valve Assembly Test using ARB TP-201.1C or a Pressure Integrity of Drop Tube Overfill Protection Devices Test using ARB TP-201.1D if an overfill protection device is installed, at least once every 36 months. [District Rule 4621] Federally Enforceable Through Title V Permit
18. The permittee shall perform and pass a Static Leak Test for Underground Tanks using ARB TP-201.3 in accordance with the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
19. The permittee shall perform and pass a Dynamic Back Pressure Test using ARB TP-201.4 at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
20. The permittee shall perform and pass a Vapor-to-Liquid Volume Ratio Test using the test procedure defined in the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every six (6) months. [District Rule 4622] Federally Enforceable Through Title V Permit
21. The permittee shall perform and pass a Static Pressure Test for the Healy Clean Air Separator using the test procedure defined in the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
22. The permittee shall perform and pass a Dispenser vapor Line Tightness test for each dispenser using the test procedure defined in the Installation, Operation and Maintenance manual of the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
23. 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
24. 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
25. 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
26. 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
27. 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
28. 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
29. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. The permittee shall maintain monthly gasoline throughput records. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
31. 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:** C-283-22-17

**EXPIRATION DATE:** 08/31/2016

**EQUIPMENT DESCRIPTION:**

MUNICIPAL SOLID WASTE BIOREACTOR LANDFILL, CLASS II AND III (B-19), 4.2 MILLION CUBIC YARD CAPACITY (40.4 ACRES) WITH GAS COLLECTION AND CONTROL SYSTEM SERVED BY A 2,500 SCFM (EQUIVALENT TO 83.6 MMBTU/HR) PARNEL BIOGAS ENCLOSED FLARE SHARED WITH C-283-25

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1/4 or 5% opacity. [District Rules 2201 and 4101] 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. Each owner or operator shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. [40 CFR 60.758(a)] Federally Enforceable Through Title V Permit
4. 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
5. 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
6. An active collection system shall be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment, collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of 5 years or more if active; or 2 years or more if closed or at final grade, collect gas at a sufficient extraction rate, and be designed to minimize off-site migration of subsurface gas. [40 CFR 60.752(b)(2)(ii)(A)] Federally Enforceable Through Title V Permit
7. Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(i) shall site active collection wells, horizontal collectors, surface collectors, or other extraction devices at a sufficient density throughout all gas producing areas using the procedures in 60.759(a)(1), (2), and (3) unless alternative procedures have been approved by the APCO as provided in 60.752(b)(2)(i)(C) and (D). [40 CFR 60.759(a)] Federally Enforceable Through Title V Permit
8. For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 60.752(b)(2)(ii)(A)(1), one of the equations in Section 60.755(a)(1)(i) or (ii) or (iii) shall be used. [40 CFR 60.755(a)(1)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. For the purposes of determining sufficient density of gas collectors for compliance with 60.752(b)(2)(ii)(A)(2), the owner or operator shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the APCO, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards. [40 CFR 60.755(a)(2)] Federally Enforceable Through Title V Permit
10. For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with 60.752(b)(2)(ii)(A)(3), the owner or operator shall measure gauge pressure in the gas collection header at each individual well, monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under 60.753(b). If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the APCO for approval. [40 CFR 60.755(a)(3)] Federally Enforceable Through Title V Permit
11. Owners or operators are not required to expand the system as required in paragraph 60.755(a)(3) during the first 180 days after gas collection system startup. [40 CFR 60.755(a)(4)] Federally Enforceable Through Title V Permit
12. For the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator shall monitor each well monthly for temperature and nitrogen or oxygen as provided in 60.753(c). If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedance of other operational or performance standards. An alternative timeline for corrected in the exceedance may be submitted to the APCO for approval. [40 CFR 60.755(a)(5)] Federally Enforceable Through Title V Permit
13. The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
14. Surface testing to measure the methane concentration at the surface of the landfill shall be conducted around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. [District Rule 2201, 40 CFR 60.753(d), and 40 CFR 60.755(c)(1)] Federally Enforceable Through Title V Permit
15. Surface testing to measure the methane concentration at the surface of the landfill shall be conducted on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). [40 CFR 60.755(c)(1)] Federally Enforceable Through Title V Permit
16. 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. [District Rule 2201, 40 CFR 60.753(d), 40 CFR 60.755(c), and 40 CFR 60.8] Federally Enforceable Through Title V Permit
17. Permittee shall calculate the NMOC emission rate for purposes of determining when the collection and control system can be removed as provided in 40 CFR 60.752(b)(2)(v) by using the equation found in 40 CFR 60.754(b). [40 CFR 60.754(b)] Federally Enforceable Through Title V Permit
18. Permittee shall operate the enclosed flare at all times when the collected gas is routed to it. [40 CFR 60.753(f)] 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.

19. Permittee shall operate the landfill gas collection system such that gas is collected from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for: (1) five years or more if active; or (2) two years or more if closed or at final grade. [40 CFR 60.753(a)] Federally Enforceable Through Title V Permit
20. Permittee shall operate the landfill gas collection system with negative pressure at each wellhead except under the following conditions: (1) A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in 60.757(f)(1); (2) Use of a geomembrane or synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan; (3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the APCO. [40 CFR 60.753(b)] Federally Enforceable Through Title V Permit
21. Permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The owner or operator may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decompositions by killing methanogens. [40 CFR 60.753(c)] Federally Enforceable Through Title V Permit
22. If monitoring demonstrates that the operational requirements in paragraphs (b), (c), or (d) of section 60.753 are not met, corrective action shall be taken as specified in 40 CFR 60.755(a)(3 - 5) or (c). If corrective actions are taken as specified in 60.755, the monitored exceedance is not a violation of the operational requirements in this section. [40 CFR 60.753(g)] Federally Enforceable Through Title V Permit
23. Each wellhead shall have a sampling port and a thermometer, other temperature-measuring device, or an access port for temperature measurements. [40 CFR 60.756(a)] Federally Enforceable Through Title V Permit
24. When monitoring interior wellheads for operation for a nitrogen level, the nitrogen level shall be determined using Method 3C, unless an alternative test method is established as allowed by 60.752(b)(2)(i) of this subpart. [40 CFR 60.753(c)(1)] Federally Enforceable Through Title V Permit
25. For each interior wellhead, unless an alternative test method is established as allowed by 60.752(b)(2)(i) of this subpart, the oxygen shall be determined by an oxygen meter using Method 3A or 3C except that: (i) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span; (ii) A data recorder is not required; (iii) Only two calibration gases are required, a zero and span, and ambient air may be used as the span; (iv) A calibration error check is not required; (v) The allowable sample bias, zero drift, and calibration drift are  $\pm 10$  percent. [40 CFR 60.753(c)(2)] Federally Enforceable Through Title V Permit
26. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. [40 CFR 60.755(c)(2)] Federally Enforceable Through Title V Permit
27. Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions. Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the actions specified in 40 CFR 60.755(c)(4)(i-v) shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 60.753(d). [40 CFR 60.755(c)(3), (4)] Federally Enforceable Through Title V Permit
28. For the performance test required in 60.752(b)(2)(iii)(B), Method 25, 25C, or Method 18 of Appendix A 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 APCO as provided by 60.752(b)(2)(i)(B). Method 3 or 3A shall be used to determine oxygen for correcting the NMOC concentration as hexane to 3 percent. In cases where the outlet concentration is less than 50 ppm NMOC as carbon (8 ppm NMOC as hexane), Method 25A should be used in place of Method 25. If using Method 18 of appendix A, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:  $(\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}) / \text{NMOC}_{\text{in}}$ . The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081; 40 CFR 60.754(d)] Federally Enforceable Through Title V Permit

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29. Permittee shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis. [40 CFR 60.755(c)(5)] Federally Enforceable Through Title V Permit
30. The portable analyzer shall meet the instrument specifications of Method 21, section 3 (except that "methane" shall replace all references to VOC). The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air. To meet the performance evaluation requirements of Method 21, section 3.1.3, the instrument evaluation procedures of Method 21, section 4.4. The calibration procedures provided in Method 21, section 4.2 shall be followed immediately before commencing a surface monitoring survey. The provisions of this condition apply at all times, except during periods of start-up, shutdown, or malfunction (as defined in 40 CFR 60.755(e)). [40 CFR 60.755(d), (e)] Federally Enforceable Through Title V Permit
31. The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collections systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
32. Operator shall measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 60.755(a)(3); and monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5); and monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5). [40 CFR 60.756(a)] Federally Enforceable Through Title V Permit
33. Permittee shall submit an equipment removal report to the District 30 days prior to removal or cessation of operation of the control equipment. The report shall conform to the requirements of 40 CFR 60.757(e)(1). [40 CFR 60.757(e)] Federally Enforceable Through Title V Permit
34. Permittee shall submit to the District semiannual reports of the recorded information in 40 CFR 60.757(f)(1-6). The initial report shall be submitted within 180 days of installation and start-up of the collection and control system, and shall include the initial performance test report required under 40 CFR 60.8. [40 CFR 60.757(f), 40 CFR 63.1980(a)] Federally Enforceable Through Title V Permit
35. Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(iii) shall include information specified in 40 CFR 60.757(g)(1-6) with the initial performance test report required under 40 CFR Part 60.8. [40 CFR 60.757(g)] Federally Enforceable Through Title V Permit
36. The following constitute exceedances that also shall be recorded and reported under 40 CFR 60.757(f): all 3-hour periods of operation during which the average combustion temperature was more than 28 C below the average combustion temperature during the most recent performance test (flare source test). [40 CFR 60.758(c)] Federally Enforceable Through Title V Permit
37. Except as provided in 60.752(b)(2)(i)(B), each owner or operator of a controlled landfill shall keep up-to-date, readily accessible records for the life of the control equipment of the data listed in paragraphs 60.758(b)(1) through (b)(4) as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal. [40 CFR 60.758(b)] Federally Enforceable Through Title V Permit
38. Permittee shall keep the following records: (1)(i) the maximum expected gas generation flow rate as calculated in 60.755(a)(1). The owner or operator may use another method to determine the maximum gas generation flow rate, if the method has been approved by the APCO; (ii) the density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 60.759(a)(1); (2)(i) the average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test; (ii) the percent reduction of NMOC determined as specified in 60.752(b)(2)(iii)(B) achieved by the control device. [40 CFR 60.758(b)(1) and (2)] Federally Enforceable Through Title V Permit
39. Except as provided in 60.752(b)(2)(i)(B), permittee shall keep, for the life of the collection system, an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector. Permittee shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection. [40 CFR 60.758(d)] Federally Enforceable Through Title V Permit

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40. Except as provided in 60.752(b)(2)(i)(B), permittee shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance. [40 CFR 60.758(e)] Federally Enforceable Through Title V Permit
41. VOC emissions from the flare and landfill shall not exceed 339.5 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Emissions from the flare shall not exceed any of the following limits: 0.06 lb-NOx/MMBtu, 91.1 lb-SOx/day, 13,146 lb-SOx/year, 0.008 lb-PM10/MMBtu, 0.22 lb-CO/MMBtu, or 0.063 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The combined heat input of collected B-17 and B-19 landfill gas into the flare shall not exceed any of the following: 83.6 MMBtu/hr or 398,333 MMBtu/year. Heat input shall be calculated daily using monthly methane measurements (%), landfill gas flow into the flare (cubic feet per minute), and the annually tested landfill gas heat content (Btu/cubic foot). [District Rule 2201] Federally Enforceable Through Title V Permit
44. Enclosed flare shall reduce the inlet NMOC emissions by at least 98% by weight or to no more than 20 ppmvd @ 3% O2 as methane. [District Rule 2201] Federally Enforceable Through Title V Permit
45. The methane destruction efficiency for the enclosed flares shall be at least 99% by weight. [17 CCR 95464 (b)(2)(A)(1)]
46. Emissions from the flare LPG-fired pilot shall not exceed any of the following limits: 0.15 lb-NOx/MMBtu, 0.0164 lb-SOx/MMBtu, 0.0044 lb-PM10/MMBtu, 0.021 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
47. 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
48. 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
49. SOx emissions shall be determined by measuring the sulfur concentration in the landfill gas and calculating the correlated SOx emission rate based on the correlation between landfill gas sulfur concentration and associated SOx emission rate demonstrated during startup. [District Rule 1081] Federally Enforceable Through Title V Permit
50. Testing to demonstrate compliance with the daily and annual SOx emission limit shall be conducted weekly. Once eight (8) consecutive weekly tests show compliance, the frequency of monitoring sulfur content, and associated SOx emissions, may be reduced to monthly. If a monthly test shows violation of the SOx emission limit, then weekly testing shall resume and continue until eight (8) consecutive tests show compliance. Once compliance is shown on eight (8) consecutive weekly tests, then testing may return to monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
51. Sulfur content of the landfill gas being combusted in the flare shall be determined using ASTM D 1072, D 3031, D 4084, D 3246 or double GC for H2S and mercaptans, or draeger tubes for H2S, or an equivalent method approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
52. Total combined Class II/III waste material and Class II soil acceptance rate of C-283-22 and '-25 shall not exceed 2000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
53. Total combined Class II/III waste material acceptance rate of C-283-22 and '-25 shall not exceed 620,000 tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
54. Total combined Class II soil acceptance rate of C-283-22 and '-25 shall not exceed 800 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
55. Total combined clean (<50 ppm by weight VOC) soil cover usage rate of C-283-22 and '-25 shall not exceed 6000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

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56. Total PM10 emissions from handling of Class II/III waste material and soil cover shall not exceed 0.000454 pounds per ton material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
57. Source testing on the flare shall be performed to demonstrate compliance with the flare NOx and CO limits, and the NMOC destruction efficiency of 98%, or no more than 20 ppmvd @ 3% O2 as methane, as required by this permit shall be conducted annually. [District Rule 2201] Federally Enforceable Through Title V Permit
58. Source testing for flare NOx emissions shall be conducted using CARB Method 7 or Method 20. [District Rule 1081] Federally Enforceable Through Title V Permit
59. 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
60. 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
61. The results of each landfill gas sulfur content test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
62. 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
63. 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
64. 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
65. 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
66. Permittee shall maintain records of system inspections including: date, time and inspection results. [District Rule 1070] Federally Enforceable Through Title V Permit
67. Permittee shall maintain records of maintenance related or other collection system and control device downtime, including individual well shutdown. [District Rule 1070] Federally Enforceable Through Title V Permit
68. The operator shall record emission control device source tests (emissions of CO, NOx, and VOC) in pounds per MMbtu heat input. Operator shall also record VOC destruction/treatment efficiency. [District Rule 1081] Federally Enforceable Through Title V Permit
69. Daily records of the weight of materials received (tons) - including Class II/III waste material, Class II soil cover, and clean soil cover - and daily records of all soil organic content test results and certifications, shall be maintained, kept on site for a period of five years, and made available to District staff upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
70. The District shall be notified in writing ten days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
71. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
72. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District Rule 2201] Federally Enforceable Through Title V Permit

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73. A record of continuous flare combustion temperature, continuous volumetric gas flow rate, net heating value of landfill gas being combusted, daily landfill gas fuel consumption, and daily heat input shall be maintained, retained on the premises for a period of at least five years and made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
74. Records of daily and annual landfill gas flow rate, annual test results of higher heating value of landfill gas, and calculated daily and annual SOx emissions shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
75. The collection devices within the interior and along the perimeter areas shall be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues shall be addressed in the design: depths of refuse, refuse gas generation rates and flow characteristics, cover properties, gas system expandability, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat. [40 CFR 60.759(a)(1)] Federally Enforceable Through Title V Permit
76. The placement of gas collection devices determined in paragraph 60.759(a)(1) shall control all gas producing areas, except as provided by paragraphs 60.759(a)(3)(i) and (a)(3)(ii). [40 CFR 60.759(a)(3)] Federally Enforceable Through Title V Permit
77. The sufficient density of gas collection devices determined in paragraph 60.759(a)(1) shall address landfill gas migration issues and augmentation of the collection system through the use of active or passive systems at the landfill perimeter or exterior. [40 CFR 60.759(a)(2)] Federally Enforceable Through Title V Permit
78. Any segregated area of asbestos or nondegradable material may be excluded from collection if documented as provided under 60.758(d). The documentation shall provide the nature, date of deposition, location and amount of asbestos or nondegradable material deposited in the area, and shall be provided to the Administrator upon request. [40 CFR 60.759(a)(3)(i)] Federally Enforceable Through Title V Permit
79. Any nonproductive area of the landfill may be excluded from control provided that the total of all excluded areas can be shown to contribute less than 1 percent of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material shall be documented and provided to the Administrator upon request. A separate NMOC emissions estimate shall be made for each section proposed for exclusion, and the sum of all such sections shall be compared to the NMOC emissions estimate for the entire landfill. Emissions from each section shall be computed using the equation in Section 60.759(a)(3)(ii). [40 CFR 60.759(a)(3)(ii)] Federally Enforceable Through Title V Permit
80. The values for k and CNMOC in equation in Section 60.759(a)(3)(ii) determined in field testing shall be used if field testing has been performed in determining the NMOC emission rate or the radii of influence (this distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for k, Lo, and CNMOC provided in 60.754(a)(1) or the alternative values from 60.754(a)(5) shall be used. The mass of nondegradable solid waste contained within the given section may be subtracted from the total mass of the section when estimating emissions provided the nature, location, age, and amount of the nondegradable material is documented as provided in paragraph 60.759(a)(3)(i). [40 CFR 60.759(a)(3)(iii)] Federally Enforceable Through Title V Permit

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81. Each owner or operator seeking to comply with 60.752(b)(2)(i)(A) shall construct the gas collection devices using the following equipment or procedures: (1) The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration; (2) Vertical wells shall be placed so as not to endanger underlying liners and shall address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be of sufficient cross-section so as to allow for their proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations; (3) Collection devices may be connected to the collection header pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness. [40 CFR 60.759(b)] Federally Enforceable Through Title V Permit
82. Each owner or operator seeking to comply with 60.752(b)(2)(i)(A) shall convey the landfill gas to a control system in compliance with 60.752(b)(2)(iii) through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment using the following procedures: (1) For existing collection systems, the flow data shall be used to project the maximum flow rate. If no flow data exists, the procedures in paragraph 60.759(c)(2) shall be used; (2) For new collection systems, the maximum flow rate shall be in accordance with 60.755(a)(1). [40 CFR 60.759(c)] Federally Enforceable Through Title V Permit
83. The permittee is no longer required to comply with the requirements of 40 CFR Part 63 Subpart AAAA for the bioreactor provided the conditions in paragraphs (a) or (b) are met: (a) the affected source meets the control system removal criteria in 40 CFR 60.752(b)(2)(v) of part 60, subpart WWW or the bioreactor meets the criteria for a nonproductive area of the landfill in 40 CFR 60.759(a)(3)(ii) of part 60, subpart WWW; (b) the bioreactor portion of the landfill is a closed landfill as defined in 40 CFR 60.751, subpart WWW and has permanently ceased adding liquids to the bioreactor, and have not added liquids to the bioreactor for at least 1 year. A closure report for the bioreactor must be submitted to the APCO as provided in 40 CFR 60.757(d) of subpart WWW. [40 CFR 63.1952(a) and (b)] Federally Enforceable Through Title V Permit
84. For the bioreactor portions, the permittee shall comply with the general provisions specified in Table 1 of 40 CFR Part 63 Subpart AAAA and 63.1960 through 63.1985 starting on the date required to install the gas collection and control system and must extend the collection and control system into each new cell or area of the bioreactor prior to initiating liquids addition in that area. [40 CFR 63.1955(b) and (d)(2)] Federally Enforceable Through Title V Permit
85. Continuous parameter monitoring data, collected under 40 CFR 60.756(b)(1), (c)(1), and (d), are used to demonstrate compliance with the operating conditions for control systems. If a deviation occurs, the permittee has failed to meet the control device operation conditions described in this subpart and has deviated from the requirements of this subpart. The permittee shall develop a written SSM plan according to the provisions in 40 CFR 63.6(e)(3). A copy of the SSM plan must be maintained on site. Failure to write or maintain a copy of the SSM plan is a deviation from the requirements of this subpart. [40 CFR 63.1960] Federally Enforceable Through Title V Permit
86. The permittee shall maintain records as specified in the general provisions of 40 CFR part 60 and this part as shown in Table 1 of this subpart. Applicable records in the general provisions include items such as SSM plans and the SSM plan reports. [40 CFR 63.1980(b)] Federally Enforceable Through Title V Permit
87. The permittee shall submit the initial semiannual compliance report and performance tests results described in 40 CFR 60.757(f) within 180 days after the date required to being operating the gas collection and control system by 63.1947(c) of this subpart. [40 CFR 63.1980(e)] Federally Enforceable Through Title V Permit

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88. If a semiannual compliance report for the bioreactor is required as well as a semiannual compliance report for the conventional portion of the same landfill, submittal may be delayed of a subsequent semiannual compliance report for the bioreactor according to the following so that the reports may be submitted on the same schedule: (1) After submittal of the initial semiannual compliance report and performance test results for the bioreactor, the permittee may delay of the submittal of the subsequent semiannual compliance report for the bioreactor until the date of the initial or subsequent semiannual compliance report is due for the conventional portion of the landfill; (2) The permittee may delay submittal of the subsequent semiannual compliance report by no more than 12 months after the due date for submitting the initial semiannual compliance report and performance test results described in 40 CFR 60.757(f) for the bioreactor. The report shall cover the time period since the previous semiannual report for the bioreactor, which would be a period of at least 6 months and no more than 12 months; (3) After the delayed semiannual report, all subsequent semiannual reports for the bioreactor must be submitted every 6 months on the same date the semiannual report for the conventional portion of the landfill is due. [40 CFR 63.1980(f)] Federally Enforceable Through Title V Permit
89. 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. [District Rule 1070] Federally Enforceable Through Title V Permit
90. The landfill surface shall be monitored quarterly. If there are any exceedances during a quarterly event, monitoring will be required monthly until three consecutive months without exceedances, which would allow a return to quarterly monitoring. [District Rule 2201] Federally Enforceable Through Title V Permit
91. After an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the initial exceedance. If compliance is shown, an additional remonitoring event is required within one month of the initial exceedance. If the ten day event shows an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the second exceedance. If compliance is shown, an additional remonitoring is required within one month of the initial exceedance. If the second ten day event shows an exceedance, the permittee shall permit and install additional landfill gas wells to correct the problem within 120 days of the initial exceedance. [District Rule 2201] Federally Enforceable Through Title V Permit
92. 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
93. 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
94. The owner/operator shall install, calibrate, maintain, and operate a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes. This meter shall also be capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. [40 CFR 60.756(c)(2)] Federally Enforceable Through Title V Permit
95. The flare shall be operated with a flame present at all times while gas is being vented to it. The presence of a flame shall be continuously monitored using a thermocouple, ultraviolet sensor, or any other equivalent device located at the pilot light or the flame itself. The flame's presence shall be recorded at least once every 15 minutes. [40 CFR 60.18(c)(2) and 40 CFR 60.756(c)(1)] Federally Enforceable Through Title V Permit
96. The enclosed flare shall be equipped with an accurate temperature indicator/recorder that continuously measures and records the operating temperature. [District Rule 2201; 40 CFR 60.756(b)(1)] Federally Enforceable Through Title V Permit
97. The enclosed flare shall be equipped with either a device that records flow to the control device at least every 15 minutes; or secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration of the control device. [40 CFR 60.756(b)(2)] Federally Enforceable Through Title V Permit
98. Any closed landfill that has demonstrated compliance in three consecutive quarterly monitoring periods may perform annual monitoring. Quarterly monitoring shall resume if any methane readings of 500 ppm or more above background are detected during annual monitoring. [40 CFR 60.756(f)] Federally Enforceable Through Title V Permit

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99. Permittee shall keep up-to-date, readily accessible continuous records of the indication of flow to the enclosed flare, or the indication of bypass flow, or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines. [40 CFR 60.758(c) and 60.34c] Federally Enforceable Through Title V Permit
100. The non-bioreactor portion of the landfill is no longer required to comply with the requirements of 40 CFR Part 63 Subpart AAAA when it is no longer required to apply controls as specified in 40 CFR 60.752(b)(2)(v) of subpart WWW. [40 CFR 63.1950] Federally Enforceable Through Title V Permit
101. Except for the spreading of landfill cover, when handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
102. Except for the spreading of landfill cover, when transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
103. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8031, 8071, and 8011] Federally Enforceable Through Title V Permit
104. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Rule 8041 or Rule 8011. [District Rules 8041 and 8011] Federally Enforceable Through Title V Permit
105. One or more of the following control measures shall be implemented on each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area: water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rule 8071 and 8011] Federally Enforceable Through Title V Permit
106. On each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area, dusting materials accumulated on paved surfaces shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
107. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8071 and 8011] Federally Enforceable Through Title V Permit
108. The flare and gas collection system may be shut down when there is an insufficient amount of landfill gas to operate on. During the shutdown period, all gas collection system vents shall be closed and no emissions shall occur through the gas collection system. [District Rule 2201] Federally Enforceable Through Title V Permit
109. During the shutdown of the gas collection system, surface testing to measure the methane concentration at the surface of the landfill shall be conducted at least once every week using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). After demonstrating compliance on four consecutive tests, the testing frequency shall be at least once every month. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

110. During the shutdown of the gas collection system, if the methane concentration measured during weekly or monthly surface testing exceeds 500 parts per million above background at the surface of the landfill, the testing frequency shall be at least once every other day. After demonstrating compliance on four consecutive tests, the testing frequency shall revert to at least once every week. [District Rule 2201] Federally Enforceable Through Title V Permit
111. During operation of the enclosed flare, the permittee shall continuously monitor and record combustion chamber temperature. The temperature readings shall not be less than 28 degree C (50 degree F) below the average combustion temperature determined during the most recent flare source test, averaged over a 3-hour period. Upon detecting any temperature excursion lower than 28 degree C (50 degree F) below the source test average combustion temperature, averaged over a 3-hour period, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR part 64] Federally Enforceable Through Title V Permit
112. The temperature monitoring device shall be calibrated, maintained, and operated according to the manufacturer's specifications. [40 CFR part 64] Federally Enforceable Through Title V Permit
113. The enclosed flare burner and its associated components and the vapor collection system shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replacement and repairs, and all maintenance actions taken. The records shall be kept and maintained for compliance inspection upon request. [40 CFR part 64] Federally Enforceable Through Title V Permit
114. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
115. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
116. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] Federally Enforceable Through Title V Permit
117. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. [17 CCR 95464 (b)(1)(B), 17 CCR 95469 (b)(3)]
118. 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 except as allowed in sections 95464(c), 95464(d), and 95464(e) [17 CCR 95464(b)(1)(C)]
119. Landfill gas 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 95465]
120. 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)(3). [17 CCR 95469(a)]
121. 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(a)(1)(A)]
122. 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(a)(1)(B)]
123. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470(a)(1)(C)]
124. 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(a)(1)(D)]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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125. 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(a)(1)(E)]
126. Permittee shall conduct surface emission monitoring using either the procedures specified in section 95471(c) or the Los Angeles County Sanitation District monitoring procedure. Permittee shall keep records of which procedure was used. [17 CCR 95468]
127. 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(a)(2)]
128. 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]
129. Permittee shall identify areas which are dangerous and unable to be inspected or contain only inert, non-decomposing waste. 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(a)(5)]
130. 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]
131. Permittee shall terminate surface emission testing when the measured average wind speed is over 10 mph or the instantaneous wind speed is over 20 mph. [17 CCR 95468(a)(3), 17 CCR 95471(c)(1)(C)]
132. 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]
133. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470(a)(1)(F)]
134. 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(a)(1)(G)]
135. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470(a)(1)(H)]
136. The flare must be source tested annually for methane destruction efficiency of at least 99% by weight. If the flare is in compliance after three consecutive source tests, the facility may move to source testing the flare every three years. If subsequent tests show the flare out of compliance, the test frequency shall revert to annual testing. [17 CCR 95464(b)(4)]
137. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464(b)(2)(A)(2)]
138. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464(b)(2)(A)(4)]
139. 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(a)(1)(I)]
140. 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(a)(1)(J)]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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141. 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(a)(1)(K), 17 CCR 95469(b)(1)(B)]
142. 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(b)]
143. Permittee may request alternatives to the compliance measures, monitoring requirements, test methods and procedures of sections 95464, 95469, and 95471. Any requests must be submitted in writing. [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: C-283-24-2

EXPIRATION DATE: 08/31/2016

## EQUIPMENT DESCRIPTION:

4100 CUBIC FEET (30670 GAL) TRANSPORTABLE PNEUMATIC STORAGE SYSTEM ("GUPPY") FOR THE STORAGE AND DELIVERY OF REAGENTS SERVED BY FLECKLEEN MODEL 84 BV-BS 16 II G PULSE JET BAGHOUSE COMMON TO C-283-19

## PERMIT UNIT REQUIREMENTS

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1. Visible emissions from baghouse serving the transportable pneumatic storage system shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Emissions from the transportable pneumatic storage system shall be controlled by a Flexkleen model 84 BV-BS 16 II G pulse jet baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E = 3.59 \times P^{0.62}$ ; P is less than or equal to 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
6. Permittee shall perform a complete inspection of the baghouse and its components on an annual basis. Filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter breakthrough and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Emissions from the Flexkleen model 84 BV-BS 16 II 6 pulse jet baghouse shall not exceed 0.0049 lb PM10 per ton of reagent. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The maximum throughput for the transportable pneumatic storage system shall not exceed 150 tons of reagent per day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Visible emissions shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of daily throughput, dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] 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:** C-283-25-3

**EXPIRATION DATE:** 08/31/2016

**EQUIPMENT DESCRIPTION:**

MUNICIPAL SOLID WASTE LANDFILL, CLASS II AND III (B-17), 18.4 MILLION CUBIC YARD CAPACITY (62 ACRES) WITH GAS COLLECTION AND CONTROL SYSTEM SERVED BY A 2,500 SCFM (EQUIVALENT TO 83.6 MMBTU/HR) PARNEL BIOGAS ENCLOSED FLARE SHARED WITH C-283-22

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1/4 or 5% opacity. [District Rules 2201 and 4101] 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. Each owner or operator shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. [40 CFR 60.758(a)] Federally Enforceable Through Title V Permit
4. 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
5. 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
6. An active collection system shall be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment, collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of 5 years or more if active; or 2 years or more if closed or at final grade, collect gas at a sufficient extraction rate, and be designed to minimize off-site migration of subsurface gas. [40 CFR 60.752(b)(2)(ii)(A)] Federally Enforceable Through Title V Permit
7. Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(i) shall site active collection wells, horizontal collectors, surface collectors, or other extraction devices at a sufficient density throughout all gas producing areas using the procedures in 60.759(a)(1), (2), and (3) unless alternative procedures have been approved by the APCO as provided in 60.752(b)(2)(i)(C) and (D). [40 CFR 60.759(a)] Federally Enforceable Through Title V Permit
8. For the purposes of calculating the maximum expected gas generation flow rate from the landfill to determine compliance with 60.752(b)(2)(ii)(A)(1), one of the equations in Section 60.755(a)(1)(i) or (ii) or (iii) shall be used. [40 CFR 60.755(a)(1)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. For the purposes of determining sufficient density of gas collectors for compliance with 60.752(b)(2)(ii)(A)(2), the owner or operator shall design a system of vertical wells, horizontal collectors, or other collection devices, satisfactory to the APCO, capable of controlling and extracting gas from all portions of the landfill sufficient to meet all operational and performance standards. [40 CFR 60.755(a)(2)] Federally Enforceable Through Title V Permit
10. For the purpose of demonstrating whether the gas collection system flow rate is sufficient to determine compliance with 60.752(b)(2)(ii)(A)(3), the owner or operator shall measure gauge pressure in the gas collection header at each individual well, monthly. If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days, except for the three conditions allowed under 60.753(b). If negative pressure cannot be achieved without excess air infiltration within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the APCO for approval. [40 CFR 60.755(a)(3)] Federally Enforceable Through Title V Permit
11. Owners or operators are not required to expand the system as required in paragraph 60.755(a)(3) during the first 180 days after gas collection system startup. [40 CFR 60.755(a)(4)] Federally Enforceable Through Title V Permit
12. For the purpose of identifying whether excess air infiltration into the landfill is occurring, the owner or operator shall monitor each well monthly for temperature and nitrogen or oxygen as provided in 60.753(c). If a well exceeds one of these operating parameters, action shall be initiated to correct the exceedance within 5 calendar days. If correction of the exceedance cannot be achieved within 15 calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause exceedance of other operational or performance standards. An alternative timeline for corrected in the exceedance may be submitted to the APCO for approval. [40 CFR 60.755(a)(5)] Federally Enforceable Through Title V Permit
13. The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
14. Surface testing to measure the methane concentration at the surface of the landfill shall be conducted around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan shall be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing. [District Rule 2201, 40 CFR 60.753(d), and 40 CFR 60.755(c)(1)] Federally Enforceable Through Title V Permit
15. Surface testing to measure the methane concentration at the surface of the landfill shall be conducted on a quarterly basis using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). [40 CFR 60.755(c)(1)] Federally Enforceable Through Title V Permit
16. 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. [District Rule 2201, 40 CFR 60.753(d), 40 CFR 60.755(c), and 40 CFR 60.8] Federally Enforceable Through Title V Permit
17. Permittee shall calculate the NMOC emission rate for purposes of determining when the collection and control system can be removed as provided in 40 CFR 60.752(b)(2)(v) by using the equation found in 40 CFR 60.754(b). [40 CFR 60.754(b)] Federally Enforceable Through Title V Permit
18. Permittee shall operate the enclosed flare at all times when the collected gas is routed to it. [40 CFR 60.753(f)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. Permittee shall operate the landfill gas collection system such that gas is collected from each area, cell, or group of cells in the MSW landfill in which solid waste has been in place for: (1) five years or more if active; or (2) two years or more if closed or at final grade. [40 CFR 60.753(a)] Federally Enforceable Through Title V Permit
20. Permittee shall operate the landfill gas collection system with negative pressure at each wellhead except under the following conditions: (1) A fire or increased well temperature. The owner or operator shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the annual reports as provided in 60.757(f)(1); (2) Use of a geomembrane or synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan; (3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes shall be approved by the APCO. [40 CFR 60.753(b)] Federally Enforceable Through Title V Permit
21. Permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent. The owner or operator may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decompositions by killing methanogens. [40 CFR 60.753(c)] Federally Enforceable Through Title V Permit
22. If monitoring demonstrates that the operational requirements in paragraphs (b), (c), or (d) of section 60.753 are not met, corrective action shall be taken as specified in 40 CFR 60.755(a)(3 - 5) or (c). If corrective actions are taken as specified in 60.755, the monitored exceedance is not a violation of the operational requirements in this section. [40 CFR 60.753(g)] Federally Enforceable Through Title V Permit
23. Each wellhead shall have a sampling port and a thermometer, other temperature-measuring device, or an access port for temperature measurements. [40 CFR 60.756(a)] Federally Enforceable Through Title V Permit
24. When monitoring interior wellheads for operation for a nitrogen level, the nitrogen level shall be determined using Method 3C, unless an alternative test method is established as allowed by 60.752(b)(2)(i) of this subpart. [40 CFR 60.753(c)(1)] Federally Enforceable Through Title V Permit
25. For each interior wellhead, unless an alternative test method is established as allowed by 60.752(b)(2)(i) of this subpart, the oxygen shall be determined by an oxygen meter using Method 3A or 3C except that: (i) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span; (ii) A data recorder is not required; (iii) Only two calibration gases are required, a zero and span, and ambient air may be used as the span; (iv) A calibration error check is not required; (v) The allowable sample bias, zero drift, and calibration drift are  $\pm 10$  percent. [40 CFR 60.753(c)(2)] Federally Enforceable Through Title V Permit
26. The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. [40 CFR 60.755(c)(2)] Federally Enforceable Through Title V Permit
27. Surface emission monitoring shall be performed in accordance with section 4.3.1 of Method 21 of appendix A, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground. Monitoring shall be performed during typical meteorological conditions. Any reading of 500 parts per million or more above background at any location shall be recorded as a monitored exceedance and the actions specified in 40 CFR 60.755(c)(4)(i-v) shall be taken. As long as the specified actions are taken, the exceedance is not a violation of the operational requirements of 60.753(d). [40 CFR 60.755(c)(3), (4)] Federally Enforceable Through Title V Permit
28. For the performance test required in 60.752(b)(2)(iii)(B), Method 25, 25C, or Method 18 of Appendix A 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 APCO as provided by 60.752(b)(2)(i)(B). Method 3 or 3A shall be used to determine oxygen for correcting the NMOC concentration as hexane to 3 percent. In cases where the outlet concentration is less than 50 ppm NMOC as carbon (8 ppm NMOC as hexane), Method 25A should be used in place of Method 25. If using Method 18 of appendix A, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:  $(\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}) / \text{NMOC}_{\text{in}}$ . The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081; 40 CFR 60.754(d)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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29. Permittee shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis. [40 CFR 60.755(c)(5)] Federally Enforceable Through Title V Permit
30. The portable analyzer shall meet the instrument specifications of Method 21, section 3 (except that "methane" shall replace all references to VOC). The calibration gas shall be methane, diluted to a nominal concentration of 500 parts per million in air. To meet the performance evaluation requirements of Method 21, section 3.1.3, the instrument evaluation procedures of Method 21, section 4.4. The calibration procedures provided in Method 21, section 4.2 shall be followed immediately before commencing a surface monitoring survey. The provisions of this condition apply at all times, except during periods of start-up, shutdown, or malfunction (as defined in 40 CFR 60.755(e)). [40 CFR 60.755(d), (e)] Federally Enforceable Through Title V Permit
31. The provisions of this subpart apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collections systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)] Federally Enforceable Through Title V Permit
32. Operator shall measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR 60.755(a)(3); and monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5); and monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR 60.755(a)(5). [40 CFR 60.756(a)] Federally Enforceable Through Title V Permit
33. Permittee shall submit an equipment removal report to the District 30 days prior to removal or cessation of operation of the control equipment. The report shall conform to the requirements of 40 CFR 60.757(e)(1). [40 CFR 60.757(e)] Federally Enforceable Through Title V Permit
34. Permittee shall submit to the District semiannual reports of the recorded information in 40 CFR 60.757(f)(1-6). The initial report shall be submitted within 180 days of installation and start-up of the collection and control system, and shall include the initial performance test report required under 40 CFR 60.8. [40 CFR 60.757(f), 40 CFR 63.1980(a)] Federally Enforceable Through Title V Permit
35. Each owner or operator seeking to comply with 40 CFR 60.752(b)(2)(iii) shall include information specified in 40 CFR 60.757(g)(1-6) with the initial performance test report required under 40 CFR Part 60.8. [40 CFR 60.757(g)] Federally Enforceable Through Title V Permit
36. The following constitute exceedances that also shall be recorded and reported under 40 CFR 60.757(f): all 3-hour periods of operation during which the average combustion temperature was more than 28 C below the average combustion temperature during the most recent performance test (flare source test). [40 CFR 60.758(c)] Federally Enforceable Through Title V Permit
37. Except as provided in 60.752(b)(2)(i)(B), each owner or operator of a controlled landfill shall keep up-to-date, readily accessible records for the life of the control equipment of the data listed in paragraphs 60.758(b)(1) through (b)(4) as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of the control device vendor specifications shall be maintained until removal. [40 CFR 60.758(b)] Federally Enforceable Through Title V Permit
38. Permittee shall keep the following records: (1)(i) the maximum expected gas generation flow rate as calculated in 60.755(a)(1). The owner or operator may use another method to determine the maximum gas generation flow rate, if the method has been approved by the APCO; (ii) the density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in 60.759(a)(1); (2)(i) the average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test; (ii) the percent reduction of NMOC determined as specified in 60.752(b)(2)(iii)(B) achieved by the control device. [40 CFR 60.758(b)(1) and (2)] Federally Enforceable Through Title V Permit
39. Except as provided in 60.752(b)(2)(i)(B), permittee shall keep, for the life of the collection system, an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector. Permittee shall keep readily accessible documentation of the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from collection as well as any nonproductive areas excluded from collection. [40 CFR 60.758(d)] Federally Enforceable Through Title V Permit

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40. Except as provided in 60.752(b)(2)(i)(B), permittee shall keep for at least 5 years up-to-date, readily accessible records of all collection and control system exceedances of the operational standards in 60.753, the reading in the subsequent month whether or not the second reading is an exceedance, and the location of each exceedance. [40 CFR 60.758(e)] Federally Enforceable Through Title V Permit
41. VOC emissions from the flare and landfill shall not exceed 240.7 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Emissions from the flare shall not exceed any of the following limits: 0.06 lb-NOx/MMBtu, 91.1 lb-SOx/day, 13,146 lb-SOx/year, 0.008 lb-PM10/MMBtu, 0.22 lb-CO/MMBtu, or 0.063 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The combined heat input of collected B-17 and B-19 landfill gas into the flare shall not exceed any of the following: 83.6 MMBtu/hr or 398,333 MMBtu/year. Heat input shall be calculated daily using monthly methane measurements (%), landfill gas flow into the flare (cubic feet per minute), and the annually tested landfill gas heat content (Btu/cubic foot). [District Rule 2201] Federally Enforceable Through Title V Permit
44. Enclosed flare shall reduce the inlet NMOC emissions by at least 98% by weight or to no more than 20 ppmvd @ 3% O2 as methane. [District Rule 2201] Federally Enforceable Through Title V Permit
45. The methane destruction efficiency for the enclosed flares shall be at least 99% by weight. [17 CCR 95464(b)(2)(A)(1)]
46. Emissions from the flare LPG-fired pilot shall not exceed any of the following limits: 0.15 lb-NOx/MMBtu, 0.0164 lb-SOx/MMBtu, 0.0044 lb-PM10/MMBtu, 0.021 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
47. 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
48. 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
49. SOx emissions shall be determined by measuring the sulfur concentration in the landfill gas and calculating the correlated SOx emission rate based on the correlation between landfill gas sulfur concentration and associated SOx emission rate demonstrated during startup. [District Rule 1081] Federally Enforceable Through Title V Permit
50. Testing to demonstrate compliance with the daily and annual SOx emission limit shall be conducted weekly. Once eight (8) consecutive weekly tests show compliance, the frequency of monitoring sulfur content, and associated SOx emissions, may be reduced to monthly. If a monthly test shows violation of the SOx emission limit, then weekly testing shall resume and continue until eight (8) consecutive tests show compliance. Once compliance is shown on eight (8) consecutive weekly tests, then testing may return to monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
51. Sulfur content of the landfill gas being combusted in the flare shall be determined using ASTM D 1072, D 3031, D 4084, D 3246 or double GC for H2S and mercaptans, or draeger tubes for H2S, or an equivalent method approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
52. Total combined Class II/III waste material and Class II soil acceptance rate of C-283-22 and '-25 shall not exceed 2000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
53. Total combined Class II/III waste material acceptance rate of C-283-22 and '-25 shall not exceed 620,000 tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
54. Total combined Class II soil acceptance rate of C-283-22 and '-25 shall not exceed 800 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
55. Total combined clean (<50 ppm by weight VOC) soil cover usage rate of C-283-22 and '-25 shall not exceed 6000 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

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56. Total PM10 emissions from handling of Class II/III waste material and soil cover shall not exceed 0.000454 pounds per ton material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
57. Source testing on the flare shall be performed to demonstrate compliance with the flare NOx and CO limits, and the NMOC destruction efficiency of 98%, or no more than 20 ppmvd @ 3% O2 as methane, 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
58. Source testing for flare NOx emissions shall be conducted using CARB Method 7 or Method 20. [District Rule 1081] Federally Enforceable Through Title V Permit
59. 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
60. 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
61. The results of each landfill gas sulfur content test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
62. 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
63. 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
64. 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
65. 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
66. Permittee shall maintain records of system inspections including: date, time and inspection results. [District Rule 1070] Federally Enforceable Through Title V Permit
67. Permittee shall maintain records of maintenance related or other collection system and control device downtime, including individual well shutdown. [District Rule 1070] Federally Enforceable Through Title V Permit
68. The operator shall record emission control device source tests (emissions of CO, NOx, and VOC) in pounds per MMbtu heat input. Operator shall also record VOC destruction/treatment efficiency. [District Rule 1081] Federally Enforceable Through Title V Permit
69. Daily records of the weight of materials received (tons) - including Class II/III waste material, Class II soil cover, and clean soil cover - and daily records of all soil organic content test results and certifications, shall be maintained, kept on site for a period of five years, and made available to District staff upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
70. The District shall be notified in writing ten days prior to the acceptance of new types of waste streams, or waste streams with significant malodorous qualities. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
71. A District approved anemometer shall be continuously operated on site with permanent data available to the District. [District Rule 2201] Federally Enforceable Through Title V Permit
72. Wastes with the potential to release hazardous gases, mists, or vapors in excess of existing air quality standards shall not be exposed to the atmosphere, and combustion of flammable wastes in the landfill shall be prevented. [District Rule 2201] Federally Enforceable Through Title V Permit

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73. A record of continuous flare combustion temperature, continuous volumetric gas flow rate, net heating value of landfill gas being combusted, daily landfill gas fuel consumption, and daily heat input shall be maintained, retained on the premises for a period of at least five years and made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
74. Records of daily and annual landfill gas flow rate, annual test results of higher heating value of landfill gas, and calculated daily and annual SOx emissions shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
75. The collection devices within the interior and along the perimeter areas shall be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues shall be addressed in the design: depths of refuse, refuse gas generation rates and flow characteristics, cover properties, gas system expandability, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat. [40 CFR 60.759(a)(1)] Federally Enforceable Through Title V Permit
76. The placement of gas collection devices determined in paragraph 60.759(a)(1) shall control all gas producing areas, except as provided by paragraphs 60.759(a)(3)(i) and (a)(3)(ii). [40 CFR 60.759(a)(3)] Federally Enforceable Through Title V Permit
77. The sufficient density of gas collection devices determined in paragraph 60.759(a)(1) shall address landfill gas migration issues and augmentation of the collection system through the use of active or passive systems at the landfill perimeter or exterior. [40 CFR 60.759(a)(2)] Federally Enforceable Through Title V Permit
78. Any segregated area of asbestos or nondegradable material may be excluded from collection if documented as provided under 60.758(d). The documentation shall provide the nature, date of deposition, location and amount of asbestos or nondegradable material deposited in the area, and shall be provided to the Administrator upon request. [40 CFR 60.759(a)(3)(i)] Federally Enforceable Through Title V Permit
79. Any nonproductive area of the landfill may be excluded from control provided that the total of all excluded areas can be shown to contribute less than 1 percent of the total amount of NMOC emissions from the landfill. The amount, location, and age of the material shall be documented and provided to the Administrator upon request. A separate NMOC emissions estimate shall be made for each section proposed for exclusion, and the sum of all such sections shall be compared to the NMOC emissions estimate for the entire landfill. Emissions from each section shall be computed using the equation in Section 60.759(a)(3)(ii). [40 CFR 60.759(a)(3)(ii)] Federally Enforceable Through Title V Permit
80. The values for k and CNMOC in equation in Section 60.759(a)(3)(ii) determined in field testing shall be used if field testing has been performed in determining the NMOC emission rate or the radii of influence (this distance from the well center to a point in the landfill where the pressure gradient applied by the blower or compressor approaches zero). If field testing has not been performed, the default values for k, Lo, and CNMOC provided in 60.754(a)(1) or the alternative values from 60.754(a)(5) shall be used. The mass of nondegradable solid waste contained within the given section may be subtracted from the total mass of the section when estimating emissions provided the nature, location, age, and amount of the nondegradable material is documented as provided in paragraph 60.759(a)(3)(i). [40 CFR 60.759(a)(3)(iii)] Federally Enforceable Through Title V Permit

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81. Each owner or operator seeking to comply with 60.752(b)(2)(i)(A) shall construct the gas collection devices using the following equipment or procedures: (1) The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration; (2) Vertical wells shall be placed so as not to endanger underlying liners and shall address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be of sufficient cross-section so as to allow for their proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations; (3) Collection devices may be connected to the collection header pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness. [40 CFR 60.759(b)] Federally Enforceable Through Title V Permit
82. Each owner or operator seeking to comply with 60.752(b)(2)(i)(A) shall convey the landfill gas to a control system in compliance with 60.752(b)(2)(iii) through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment using the following procedures: (1) For existing collection systems, the flow data shall be used to project the maximum flow rate. If no flow data exists, the procedures in paragraph 60.759(c)(2) shall be used; (2) For new collection systems, the maximum flow rate shall be in accordance with 60.755(a)(1). [40 CFR 60.759(c)] Federally Enforceable Through Title V Permit
83. Continuous parameter monitoring data, collected under 40 CFR 60.756(b)(1), (c)(1), and (d), are used to demonstrate compliance with the operating conditions for control systems. If a deviation occurs, the permittee has failed to meet the control device operation conditions described in this subpart and has deviated from the requirements of this subpart. The permittee shall develop a written SSM plan according to the provisions in 40 CFR 63.6(e)(3). A copy of the SSM plan must be maintained on site. Failure to write or maintain a copy of the SSM plan is a deviation from the requirements of this subpart. [40 CFR 63.1960] Federally Enforceable Through Title V Permit
84. The permittee shall maintain records as specified in the general provisions of 40 CFR part 60 and this part as shown in Table 1 of this subpart. Applicable records in the general provisions include items such as SSM plans and the SSM plan reports. [40 CFR 63.1980(b)] Federally Enforceable Through Title V Permit
85. The permittee shall submit the initial semiannual compliance report and performance tests results described in 40 CFR 60.757(f) within 180 days after the date required to being operating the gas collection and control system by 63.1947(c) of this subpart. [40 CFR 63.1980(c)] Federally Enforceable Through Title V Permit
86. 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. [District Rule 1070] Federally Enforceable Through Title V Permit
87. The landfill surface shall be monitored quarterly. If there are any exceedances during a quarterly event, monitoring will be required monthly until three consecutive months without exceedances, which would allow a return to quarterly monitoring. [District Rule 2201] Federally Enforceable Through Title V Permit
88. After an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the initial exceedance. If compliance is shown, an additional remonitoring event is required within one month of the initial exceedance. If the ten day event shows an exceedance, the permittee shall initiate correction action within five days and conduct remonitoring within ten days from the second exceedance. If compliance is shown, an additional remonitoring is required within one month of the initial exceedance. If the second ten day event shows an exceedance, the permittee shall permit and install additional landfill gas wells to correct the problem within 120 days of the initial exceedance. [District Rule 2201] Federally Enforceable Through Title V Permit

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89. 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
90. 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
91. The owner/operator shall install, calibrate, maintain, and operate a meter that measures and records the landfill gas flow rate into the flare at least once every 15 minutes. This meter shall also be capable of measuring the landfill gas flow rate that might bypass the flare in the event of equipment malfunction or maintenance. [40 CFR 60.756(c)(2)] Federally Enforceable Through Title V Permit
92. The flare shall be operated with a flame present at all times while gas is being vented to it. The presence of a flame shall be continuously monitored using a thermocouple, ultraviolet sensor, or any other equivalent device located at the pilot light or the flame itself. The flame's presence shall be recorded at least once every 15 minutes. [40 CFR 60.18(c)(2) and 40 CFR 60.756(c)(1)] Federally Enforceable Through Title V Permit
93. The enclosed flare shall be equipped with an accurate temperature indicator/recorder that continuously measures and records the operating temperature. [District Rule 2201; 40 CFR 60.756(b)(1)] Federally Enforceable Through Title V Permit
94. The enclosed flare shall be equipped with either a device that records flow to the control device at least every 15 minutes; or secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration of the control device. [40 CFR 60.756(b)(2)] Federally Enforceable Through Title V Permit
95. Any closed landfill that has demonstrated compliance in three consecutive quarterly monitoring periods may perform annual monitoring. Quarterly monitoring shall resume if any methane readings of 500 ppm or more above background are detected during annual monitoring. [40 CFR 60.756(f)] Federally Enforceable Through Title V Permit
96. Permittee shall keep up-to-date, readily accessible continuous records of the indication of flow to the enclosed flare, or the indication of bypass flow, or records of monthly inspections of car-seals or lock-and-key configurations used to seal bypass lines. [40 CFR 60.758(c) and 60.34c] Federally Enforceable Through Title V Permit
97. The landfill is no longer required to comply with the requirements of 40 CFR Part 63 Subpart AAAA when it is no longer required to apply controls as specified in 40 CFR 60.752(b)(2)(v) of subpart WWW. [40 CFR 63.1950] Federally Enforceable Through Title V Permit
98. Except for the spreading of landfill cover, when handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
99. Except for the spreading of landfill cover, when transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
100. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8031, 8071, and 8011] Federally Enforceable Through Title V Permit

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101. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Rule 8041 or Rule 8011. [District Rules 8041 and 8011] Federally Enforceable Through Title V Permit
102. One or more of the following control measures shall be implemented on each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area: water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in District Rule 8011. [District Rule 8071 and 8011] Federally Enforceable Through Title V Permit
103. On each day that 50 or more VDT (Vehicle Daily Trips), or 25 or more VDT with 3 or more axles, originates from within and remains exclusively within an unpaved vehicle/equipment traffic area, dusting materials accumulated on paved surfaces shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
104. Whenever any portion of the site becomes inactive, Permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8071 and 8011] Federally Enforceable Through Title V Permit
105. The flare and gas collection system may be shut down when there is an insufficient amount of landfill gas to operate on. During the shutdown period, all gas collection system vents shall be closed and no emissions shall occur through the gas collection system. [District Rule 2201] Federally Enforceable Through Title V Permit
106. During the shutdown of the gas collection system, surface testing to measure the methane concentration at the surface of the landfill shall be conducted at least once every week using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR 60.755(d). After demonstrating compliance on four consecutive tests, the testing frequency shall be at least once every month. [District Rule 2201] Federally Enforceable Through Title V Permit
107. During the shutdown of the gas collection system, if the methane concentration measured during weekly or monthly surface testing exceeds 500 parts per million above background at the surface of the landfill, the testing frequency shall be at least once every other day. After demonstrating compliance on four consecutive tests, the testing frequency shall revert to at least once every week. [District Rule 2201] Federally Enforceable Through Title V Permit
108. During operation of the enclosed flare, the permittee shall continuously monitor and record combustion chamber temperature. The temperature readings shall not be less than 28 degree C (50 degree F) below the average combustion temperature determined during the most recent flare source test, averaged over a 3-hour period. Upon detecting any temperature excursion lower than 28 degree C (50 degree F) below the source test average combustion temperature, averaged over a 3-hour period, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR part 64] Federally Enforceable Through Title V Permit
109. The temperature monitoring device shall be calibrated, maintained, and operated according to the manufacturer's specifications. [40 CFR part 64] Federally Enforceable Through Title V Permit
110. The enclosed flare burner and its associated components and the vapor collection system shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replacement and repairs, and all maintenance actions taken. The records shall be kept and maintained for compliance inspection upon request. [40 CFR part 64] Federally Enforceable Through Title V Permit
111. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
112. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit

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113. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] Federally Enforceable Through Title V Permit
114. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. [17 CCR 95464(b)(1)(B), 17CCR 95469(b)(3)]
115. 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 except as allowed in sections 95464(c), 95464(d), and 95464(e) [17 CCR 95464(b)(1)(C)]
116. Landfill gas 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 95465]
117. 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)(3). [17 CCR 95469(a)]
118. 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(a)(1)(A)]
119. 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(a)(1)(B)]
120. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470(a)(1)(C)]
121. 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(a)(1)(D)]
122. 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(a)(1)(E)]
123. Permittee shall conduct surface emission monitoring using either the procedures specified in section 95471(c) or the Los Angeles County Sanitation District monitoring procedure. Permittee shall keep records of which procedure was used. [17 CCR 95468]
124. 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(a)(2)]
125. 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]
126. Permittee shall identify areas which are dangerous and unable to be inspected or contain only inert, non-decomposing waste. 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(a)(5)]
127. 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]
128. Permittee shall terminate surface emission testing when the measured average wind speed is over 10 mph or the instantaneous wind speed is over 20 mph. [17 CCR 95468(a)(3), 17 CCR 95471(c)(1)(C)]
129. Permittee shall only conduct surface emission testing when precipitation has met the following requirements. It has been 24 hours since measured precipitation of 0.01 to 0.15 inches. It has been 48 hours since measured precipitation of 0.16 to 0.24 inches. It has been 72 hours since measured precipitation of 0.25 or more inches. [17 CCR 95468]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

130. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470(a)(1)(F)]
131. 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(a)(1)(G)]
132. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470(a)(1)(H)]
133. The flare must be source tested annually for methane destruction efficiency of at least 99% by weight. If the flare is in compliance after three consecutive source tests, the facility may move to source testing the flare every three years. If subsequent tests show the flare out of compliance, the test frequency shall revert to annual testing. [17 CCR 95464(b)(4)(A)]
134. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464(b)(2)(A)(2)]
135. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464(b)(2)(A)(4)]
136. 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(a)(1)(I)]
137. 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(a)(1)(J)]
138. 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(a)(1)(K), 17 CCR 95469(b)(1)(B)]
139. 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(b)]
140. Permittee may request alternatives to the compliance measures, monitoring requirements, test methods and procedures of sections 95464, 95469, and 95471. Any requests must be submitted in writing. [17 CCR 95468]

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

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# ATTACHMENT C

## Detailed Facility List

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**Detailed Facility Report**  
For Facility=283 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

<b>CHEMICAL WASTE MANAGEMENT, INC</b>	<b>C 283</b>	<b>TYPE:</b>	<b>TitleV</b>	<b>EXPIRE ON:</b>
<b>35251 OLD SKYLINE ROAD</b>	<b>A</b>	<b>TOXIC ID:</b>	<b>40029</b>	<b>AREA:</b>
<b>KETTLEMAN CITY, CA 93239</b>	<b>20938666151</b>			<b>INSP. DATE:</b>
				<b>08/18</b>

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-283-8-7	499 total facility acres, per CUP	999-99	1	0.00	0.00	A	306 HP CATERPILLAR MODEL 3306 DI DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR (900791)
C-283-11-8	499 total facility acres, per CUP	999-99	1	0.00	0.00	A	HAZARDOUS WASTE LANDFILL (B-18), 15.6 (GROSS) MILLION CUBIC YARD CAPACITY, USED FOR DISPOSAL OF BULK SOLIDS OF EMPTY CONTAINERS, SOLIDS, AND CONTAMINATED SOIL, (67 ACRE)
C-283-14-4	499 total facility acres, per CUP	999-99	1	0.00	0.00	A	4,400,000 GALLON EVAPORATION POND (P-9) FOR AQUEOUS WASTES
C-283-15-4	499 total facility acres, per CUP	999-99	1	0.00	0.00	A	2,100,000 GALLON EVAPORATION POND (P-14) FOR AQUEOUS WASTES
C-283-17-4	499 total facility acres, per CUP	999-99	1	0.00	0.00	A	3,900,000 GALLON EVAPORATION POND (P-16) FOR AQUEOUS WASTES
C-283-19-3	499 total facility acres, per CUP	999-99	1	0.00	0.00	A	WASTE STABILIZATION UNIT WITH FOUR 100 CUBIC YARD PROCESSING TANKS FOR MIXING WASTE AND REAGENT AND TWO REAGENT STORAGE SILOS
C-283-20-8	1 grade/nozzle	3020-11 A	1	38.00	38.00	A	GASOLINE DISPENSING OPERATION WITH ONE 10,000 GALLON UNDERGROUND STORAGE TANK SERVED BY OPW PHASE I VAPOR RECOVERY SYSTEM (VR-102-A), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY HEALY EVR PHASE II VAPOR RECOVERY SYSTEM (NOT INCLUDING ISD) (VR-201-G)
C-283-22-18	499 total facility acres, per CUP	3020-12 U	499	109.00	11,186.00	A	MUNICIPAL SOLID WASTE BIOREACTOR LANDFILL, CLASS II AND III (B-19), 4.2 MILLION CUBIC YARD CAPACITY (40.4 ACRES) WITH GAS COLLECTION AND CONTROL SYSTEM SERVED BY A 2,500 SCFM (EQUIVALENT TO 83.6 MMBTU/HR) PARNEL BIOGAS ENCLOSED FLARE SHARED WITH C-283-25
C-283-24-3	499 total facility acres, per CUP	999-99	1	0.00	0.00	A	4100 CUBIC FEET (30670 GAL) TRANSPORTABLE PNEUMATIC STORAGE SYSTEM ("GUPPY") FOR THE STORAGE AND DELIVERY OF REAGENTS SERVED BY FLECKLEEN MODEL 84 BV-BS 16 II G PULSE JET BAGHOUSE COMMON TO C-283-19
C-283-25-4	499 total facility acres, per CUP	999-99	1	0.00	0.00	A	MUNICIPAL SOLID WASTE LANDFILL, CLASS II AND III (B-17), 18.4 MILLION CUBIC YARD CAPACITY (62 ACRES) WITH GAS COLLECTION AND CONTROL SYSTEM SERVED BY A 2,500 SCFM (EQUIVALENT TO 83.6 MMBTU/HR) PARNEL BIOGAS ENCLOSED FLARE SHARED WITH C-283-22

Number of Facilities Reported: 1

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# ATTACHMENT D

## District Responses To Facility Comments

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## **DISTRICT'S RESPONSES TO FACILITY COMMENTS**

In response to the comments received on October 18, 2017 letter and email from Ms. Reyna Verdin of Chemical Waste Management, Inc., District has prepared the following responses to the comments. District responses to facility comments were discussed during December 4, 2017 conference call between Reyna Verdin and Christian Colline of Chemical Waste Management, Haley Roberts of Wenck Associates, and Kamaljit Sran of the District.

### **Title V Permit Renewal Evaluation - Section VIII Permit Requirements**

**Facility Comment #1** - I. 40 CFR Part 63- Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Station Reciprocating Internal Combustion Engines

In the discussion of Section 63.6640(a) [Page 10, first full paragraph], the facility is referred to as an area source of HAPs. This should be corrected to properly reflect that the facility is a major source of HAPs.

**District Response** – The District has deleted the area source reference. See page 10 for revised discussion.

**Facility Comment #2** - Section 63.6655(a)(4) is not applicable to the emergency engine since the engine has no control equipment.

**District Response** – Per clarification during the above conference call, Chemical Waste Management stated that engine under permit unit C-283-8-7 has no add-on control equipment. However, all engines are equipped with design controls such as using advanced or retard fuel injection technologies, exhaust gas recirculation (EGR) control, advanced and two-stage turbocharging, variable valve actuation, closed-loop combustion control, and advanced model-based control. Therefore, section 63.6655(a)(4) is applicable.

### **Facility Comment #3** -

J. 40 CFR Part 64 - Compliance Assurance Monitoring

h. C-283-22-18 -Municipal Solid Waste Bioreactor Landfill, Class II and III (B-19)

This CAM write-up could use some revision/clarification. Below are specific comments:

- 40 CFR 64.2 includes an exemption for Section 111 standards as well as an exemption for limits that have a continuous compliance demonstration method already described in a Part 70 permit. NMOCs are a surrogate pollutant for VOCs under 40 CFR 60 Subpart WWW, and require a continuous compliance demonstration method. The existing Part 70 permit already describes continuous monitoring for the flare. Therefore, CAM is not applicable to the NMOC

or VOC limits. The Pre-control VOC calculation appears to be based on the flare controlled emission limit, not pre-control. Additionally, if CAM does apply, the regulation requires daily monitoring, not continuous monitoring.

- The VOC limit appears to include fugitive emissions which are not controlled.
- Every VOC limit is not evaluated and compared to the major source threshold, only the uncontrolled and controlled potential to emit for each emission unit.
- The unit is subject to NSPS Subpart WWW which requires continuous monitoring. CAM requires daily monitoring. It is not accurate to state that in order to comply with CAM, continuous monitoring is required [page 14, last paragraph].

**District Response** – CAM discussion has been revised after considering comments above. See pages 14 and 15.

**Facility Comment #4 -**

J. 40 CFR Part 64 - Compliance Assurance Monitoring

j. C-283-25-4-Municipal Solid Waste Landfill, Class II and III (B-17)

This CAM write-up could use some revision/clarification. Below are specific comments:

- 40 CFR 64.2 includes an exemption for Section 111 standards as well as an exemption for limits that have a continuous compliance demonstration method already described in a Part 70 permit. NMOCs are a surrogate pollutant for VOCs under 40 CFR 60 Subpart WWW, and require a continuous compliance demonstration method. The existing Part 70 permit already describes continuous monitoring for the flare. Therefore, CAM is not applicable to the NMOC or VOC limits. Additionally, if CAM does apply, the regulation requires daily monitoring, not continuous monitoring.
- The VOC limit appears to include fugitive emissions which are not controlled.
- Every VOC limit is not evaluated and compared to the major source threshold, only the uncontrolled and controlled potential to emit for each emission unit.
- The unit is subject to NSPS Subpart WWW which requires continuous monitoring. CAM requires daily monitoring. It is not accurate to state that in order to comply with CAM, continuous monitoring is required [page 16, 4th paragraph].

**District Response** – CAM discussion has been revised after considering comments above. See pages 16 and 17.

**ATTACHMENT A - Draft Renewed Title V Operating Permit**

**C-283-8-7 - 306 HP Caterpillar Model 3306 DI Diesel-Fired Emergency IC Engine Powering an Electrical Generator (900791)**

**Facility Comment #5** - Section 63.6655(a) (4) is not applicable to the emergency engine since the engine has no control equipment.

**District Response** – See District response to Comment #2.

**Facility Comment #6** - Condition 4

This is an existing permit condition. However, District Rule 2520 and 17 CCR 93115 do not explicitly require signatures documenting the fuel delivery. While it is typical practice, KHF suggests the removal of the language requiring signatures of the permittee and the fuel supplier indicating fuel was delivered within the condition to be consistent with the rule requirements.

**District Response** – Per clarification during the above conference call, Chemical Waste Management representatives stated that the above comment is meant for condition 3 instead of condition 4. After reviewing current language in 17 CCR 93115, District concurs that monthly fuel purchase records and signatures documenting the fuel delivery was now obsolete. Therefore, condition 3 has been revised to reflect current language in 17 CCR 93115 to read as following:

*The permittee shall document the use of CARB certified diesel fuel through the retention of fuel purchase records indicating that the only fuel purchased for supply to this engine was CARB certified diesel fuel. [District Rule 2520, 9.3.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit*

**C-283-11-8 - Hazardous Waste Landfill (B-18), 10.7 (Gross) Million Cubic Yard Capacity, Used For Disposal Of Bulk Solids Of Empty Container, Solids, and Contaminated Soil, (53 Acre)**

**Facility Comment #7** - Equipment Description

The existing equipment description should be updated to reflect the capacity of the Landfill acquired by the Landfill Phase III expansion previously approved by SJVAPCD. Authority to Construct C-283-11-6, issued May 23, 2014 by SJVAPCD (Project C-1083923) authorized the construction to add 4.9 million cubic yards to the Landfill. Permit to Operate C-283-11-7 for the expanded Landfill was subsequently issued on June 19, 2015. PTO C-283-11-7 incorrectly reflects the capacity of the Landfill prior to the approved expansion. The Equipment Description should read:

*Hazardous Waste Landfill (B-18), 15.6 Million Cubic Yard Capacity, Used for Disposal of Bulk Solids of Empty Containers, Solids, and Contaminated Soil, (67 Acre).*

**District Response** – The permit equipment description has been updated to read as suggested above.

**Facility Comment #8** - Condition 4

This is an existing permit condition. However, KHF requests alternate language given the facility is in an extreme non-attainment area for ozone.

**District Response** – After consulting with the District Compliance staff, it is determined



that Chemical Waste Management's ongoing practice is to encase certain wastes with the potential to release hazardous gases, mists, or vapors before burying it in the landfill. It is expected that facility will continue with this practice, therefore no change necessary.

**C-283-14-4- 4,400,000 Gallon Evaporation Pond (P-9) for Aqueous Wastes**

**Facility Comment #9 - Condition 9**

This is an existing permit condition. However, KHF requests alternate language given the facility is in an extreme non-attainment area for ozone.

**District Response – See District response to Comment #8.**

**C-283-15-4-2,100,000 Gallon Evaporation Pond (P-14) for Aqueous Wastes**

**Facility Comment #10 - Condition 9**

This is an existing permit condition. However, KHF requests alternate language given the facility is in an extreme non-attainment area for ozone.

**District Response – See District response to Comment #8.**

**C-283-17-4-3,900,000 Gallon Evaporation Pond (P-16) for Aqueous Wastes**

**Facility Comment #11 - Condition 9**

This is an existing permit condition. However, KHF requests alternate language given the facility is in an extreme non-attainment area for ozone.

**District Response – See District response to Comment #8.**

**C-283-19-3 - Waste Stabilization Unit with four 85 Cubic Yard Processing Tanks For Mixing Waste and Reagent and Two Reagent Storage Silos**

**Facility Comment #12 - Equipment Description:**

The existing equipment description should be updated to reflect that the shell capacity of the processing tanks in the Waste Stabilization Unit are 100 Cubic Yard Tanks, not 85 Cubic Yards. Additional capacity has not been added since the previous Permit to Operate; however, the initial Authority to Construct was requested using the operating capacity of the tanks when operated with an interior rub protection (e.g., steel sheeting). The interior rub protection reduces the operating size of the processing tank to 85 cubic yards. The facility does not operate those tanks without the interior rub protection; however, KHF requests the description be changed to reflect the shell capacity of the tanks (100 Cubic Yards). The Equipment Description should read:

*Waste Stabilization Unit with four 100 Cubic Yard (85 Cubic Yard Operating Capacity) Processing Tanks for Mixing Waste and Reagent and Two Reagent Silos.*

**District Response** – The permit equipment description has been updated to read as suggested above.

**Facility Comment #13** - Condition 9

This condition contains a typo. The equation for greater than 30 tons should be  $E = 17.31 \times P^{0.16}$  as indicated in District Rule 4202.

**District Response** – The typo has been corrected.

**C-283-22-18 - Municipal Solid Waste Landfill, Class II and III (B-19)**

**Facility Comment #14** - Equipment Description

The existing equipment description reflects that the Landfill at one time operated as a Bioreactor. The required 27 CCR 20070 Research, Development, and Demonstration (RD&D) permit for the operation of the Bioreactor in the Landfill expired in 2014 and KHF has ceased to operate a Bioreactor in the Landfill. However, the Landfill is still able to accept solid waste and therefore is not a closed landfill as defined in 40 CFR 60.751. The Landfill is currently under a delay of closure; a closure report for the Bioreactor and the Landfill, will be submitted at which time the Landfill is closed as defined by 40 CFR 60.751. Since the Bioreactor is no longer operational, KHF requests to remove "Bioreactor" from the equipment description. The Equipment Description should read:

*Municipal Solid Waste Landfill, Class II and III (B-19), 4.2 Million Cubic Yard Capacity (40.4 Acres) With Gas Collection and Control System Served By a 2,500 SCFM (Equivalent to 83.6 MMBTUHR) Parnel Biogas Enclosed Flare Shared With C-283-25*

**District Response** – During the above conference call, Chemical Waste Management representatives concurred with the District staff that part of B-19 landfill still operates as bioreactor landfill, therefore no change is necessary.

**Facility Comment #15** - Condition 1

This is an existing permit condition. However, KHF requests revision of the condition to reflect the requirements cited within District Rule 4101 Section 5.0: "As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart".

**District Response** – During the above conference call, District staff clarified with Chemical Waste Management representatives that Ringelmann 1/4 or 5% opacity is a District Rule 2201 requirement to make Daily Emissions Limitation (DEL) enforceable, in a practical manner, on a daily basis, therefore the condition language will stay as is.

**Facility Comment #16** - Condition 21

KHF suggests the specific ranges in this condition with a rule citation to provide flexibility in the event that EPA finalizes changes to the NSPS Subpart WWW related to the wellhead operational standards. Suggested revision: replace "with a landfill gas temperature less than 55 deg C and with

either a nitrogen level less than 20 percent or an oxygen level less than 5 percent" with "in accordance with the ranges specified in 40 CFR 60.753".

**District Response** – District staff clarified with Chemical Waste Management representatives that EPA has not started any revisions to subpart WWW, therefore requested change is not feasible at this time.

**Facility Comment #17** - Condition 65

This condition could perhaps be revised to indicate planned maintenance so as not to potentially delay maintenance that would be a safety risk. In addition, KHF would like to request that the language "by telephone" be removed to allow for other forms of communication (e.g. electronic correspondence (email)).

**District Response** – During the above conference call, District staff clarified with Chemical Waste Management representatives that maintenance is already defined in Condition 64, therefore no change is necessary. Additionally, it is mentioned that telephone notification is a preferred notification method.

**Facility Comment #18** - Condition 72

This is an existing permit condition. However, KHF requests alternate language given the facility is in an extreme non-attainment area for ozone.

**District Response** – See District response to Comment #8.

**Facility Comment #19** - Condition 83

This landfill is not a bioreactor in accordance with NESHAP Subpart AAAA as it has permanently ceased adding off-site liquids to the landfill, and has not added off-site liquids to the landfill for at least 1 year. Consistent with municipal solid waste landfill operations, condensate and leachate recirculation will continue but is not associated with Bioreactor operations. Additionally, the required 27 CCR 20070 Research, Development, and Demonstration (RD&D) permit has expired. KHF requests this condition be revised to reflect this change.

**District Response** – See District response to Comment #14.

**Facility Comment #20** - Condition 84

This landfill is not a bioreactor in accordance with NESHAP Subpart AAAA as it has permanently ceased adding off-site liquids to the landfill, and has not added off-site liquids to the landfill for at least 1 year. Consistent with municipal solid waste landfill operations, condensate and leachate recirculation will continue but is not associated with Bioreactor operations. Additionally, the required 27 CCR 20070 Research, Development, and Demonstration (RD&D) permit has expired. KHF requests this condition be revised to reflect this change.

**District Response** – See District response to Comment #14.

**Facility Comment #21 - Condition 88**

This landfill is not a bioreactor in accordance with NESHAP Subpart AAAA as it has permanently ceased adding off-site liquids to the landfill, and has not added off-site liquids to the landfill for at least 1 year. Consistent with municipal solid waste landfill operations, condensate and leachate recirculation will continue but is not associated with Bioreactor operations. Additionally, the required 27 CCR 20070 Research, Development, and Demonstration (RD&D) permit has expired. KHF requests this condition be revised to reflect this change.

**District Response – See District response to Comment #14.**

**Facility Comment #22 - Condition 100**

This landfill is not a bioreactor in accordance with NESHAP Subpart AAAA as it has permanently ceased adding off-site liquids to the landfill, and has not added off-site liquids to the landfill for at least 1 year. Consistent with municipal solid waste landfill operations, condensate and leachate recirculation will continue but is not associated with Bioreactor operations. Additionally, the required 27 CCR 20070 Research, Development, and Demonstration (RD&D) permit has expired. KHF requests this condition be revised to reflect this change.

**District Response – See District response to Comment #14.**

**Facility Comment #23 - Condition 108**

This is an existing permit condition. However, KHF requests alternative language to clarify the condition applies during the shutdown of the gas collection system *due to insufficient amount of landfill gas to operate* as allowed in Condition 107 of this PTO.

**District Response – Condition 107 language already says “due to insufficient amount of landfill gas to operate”. Therefore, no change is necessary.**

**Facility Comment #24 - Condition 109**

This is an existing permit condition. However, KHF requests alternative language to clarify the condition applies during the shutdown of the gas collection system *due to insufficient amount of landfill gas to operate* as allowed in Condition 107 of this PTO.

**District Response – See District response to Comment #23.**

**C-283-25-4 - Municipal Solid Waste Landfill, Class II and III (B-17), 18.4 Million Cubic Yard Capacity (62 Acres) With Gas Collection and Control System Served By a 2,500 SCFM (Equivalent to 83.6 MMBTU/HR) Parnel Biogas Enclosed Flare Shared With C-283-22**

**Facility Comment #25 - Condition 1**

This is an existing permit condition. However, KHF requests revision of the condition to reflect the requirements cited within District Rule 4101 Section 5.0: "As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart."

**District Response** – See District response to Comment #15.

**Facility Comment #26** - Condition 21

KHF suggests the specific ranges in this condition with a rule citation to provide flexibility in the event that EPA finalizes changes to the NSPS Subpart WWW related to the wellhead operational standards. Suggested revision: replace "with a landfill gas temperature less than 55 deg C and with either a nitrogen level less than 20 percent or an oxygen level less than 5 percent" with "in accordance with the ranges specified in 40 CFR 60.753".

**District Response** – See District response to Comment #16.

**Facility Comment #27** - Condition 65

This condition could perhaps be revised to indicate planned maintenance so as not to potentially delay maintenance that would be a safety risk. In addition, KHF would like to request that the language "by telephone" be removed to allow for other forms of communication (e.g. electronic correspondence (email)).

**District Response** – See District response to Comment 17.

**Facility Comment #28** - Condition 72

This is an existing permit condition. However, KHF requests alternate language given the facility is in an extreme non-attainment area for ozone.

**District Response** – See District response to Comment #8.

**Facility Comment #29** - Condition 105

This is an existing permit condition. However, KHF requests alternative language to clarify the condition applies during the shutdown of the gas collection system *due to insufficient amount of landfill gas to operate* as allowed in Condition 104 of this PTO.

**District Response** – Condition 105 language already says "*due to insufficient amount of landfill gas to operate*". Therefore, no change is necessary.

**Facility Comment #30** - Condition 106

This is an existing permit condition. However, KHF requests alternative language to clarify the condition applies during the shutdown of the gas collection system *due to insufficient amount of landfill gas to operate* as allowed in Condition 104 of this PTO.

**District Response** – See District response to Comment #29.