



MAY 06 2015

Ms. Erin Fanning
Browning-Ferris Industries of California, Inc., Chateau Fresno Landfill
9999 S Austin Road
Manteca, CA 95336

**Re: Notice of Final Action - Title V Permit Renewal
District Facility # C-150
Project # C-1133106**

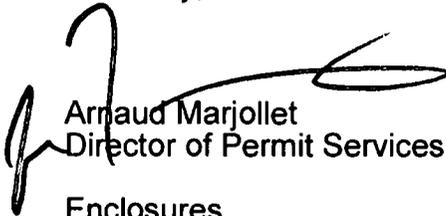
Dear Ms. Fanning:

The District has issued the Final Renewed Title V Permit for Browning-Ferris Industries of California, Inc., Chateau Fresno Landfill. The preliminary decision for this project was made on March 11, 2015. 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. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,


Arnaud Marjollet
Director of Permit Services

Enclosures

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

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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

**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Title V Permit Renewal Evaluation
Browning-Ferris Industries of California, Chateau Fresno Landfill
C-150**

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TITLE V PERMIT RENEWAL EVALUATION
Municipal Solid Waste Landfill

Engineer: Ramon Norman
Date: May 4, 2015

Facility Number: C-150
Facility Name: Browning-Ferris Industries of California, Inc., Chateau Fresno Landfill
Mailing Address: 9999 S Austin Road
Manteca, CA 95336

Contact Name: Erin Fanning **Email:** efanning@republicservices.com
Phone: (209) 982-4298 **Fax:** (209) 982-1009

Facility Consultant: SCS Engineers **Phone:** (916) 361-1297
Consultant Contact: Leslie Bove **Phone:** (707) 486-0803

Responsible Official: Don Litchfield
Title: Area Environmental Manager

Project # : C-1133106
Deemed Complete: November 5, 2013

I. PROPOSAL

Browning-Ferris Industries of California, Inc., Chateau Fresno Landfill was issued a Title V permit on September 26, 2000. 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.

In addition, the facility has requested that the requirements of Permit Unit C-150-1 for the Landfill Gas Collection and Control System and Permit Unit C-150-2 for

the Municipal Solid Waste Landfill be combined under one permit (which is typical District practice) in this Title V Renewal Project. The permit description for Permit Unit C-150-1 will be revised to include both the municipal solid waste landfill and the landfill gas collection and control system, all applicable requirements from Permit Unit C-150-2 will be included under the requirements of C-150-1, and Permit Unit C-150-2 will be deleted.

II. FACILITY LOCATION

Browning-Ferris Industries of California, Inc., Chateau Fresno Landfill is located at 8622 W. Muscat Avenue, Fresno, California.

III. EQUIPMENT LISTING

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

IV. GENERAL PERMIT TEMPLATE USAGE

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

V. SCOPE OF EPA AND PUBLIC REVIEW

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

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated

- District Rule 2020 - Exemptions (amended August 18, 2011 (SIP version of the Rule) ⇒ amended December 18, 2014)
- District Rule 2201 - New and Modified Stationary Source Review Rule (amended April 21, 2011)

B. Rules Removed

No federally enforceable rules were removed.

C. Rules Added

No federally enforceable rules were added.

D. Rules Not Updated

- District Rule 1100 - Equipment Breakdown (amended December 17, 1992) (Non SIP replacement for Fresno County Rule 110)
- District Rule 1160 - Emission Statements (adopted November 18, 1992)
- District Rule 2010 - Permits Required (amended December 17, 1992)
- District Rule 2031 - Transfer of Permits (amended December 17, 1992)
- District Rule 2070 - Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080 - Conditional Approval (amended December 17, 1992)
- District Rule 2520 - Federally Mandated Operating Permits (amended June 21, 2001)
- District Rule 4101 - Visible Emissions (amended February 17, 2005)
- District Rule 4311 - Flares (amended June 18, 2009) (Facility is exempt per Section 4.2)
- District Rule 4601 - Architectural Coatings (amended December 17, 2009)
- District Rule 4642 - Solid Waste Disposal Sites (amended April 16, 1998) (Facility is exempt per Section 4.1)
- District Rule 4801 - Sulfur Compounds (amended December 17, 1992) (Non SIP replacement for Fresno County Rule 406)
- 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 A - General Provisions
- 40 CFR Part 60, Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (last amended February 24, 1999)
- 40 CFR Part 60, Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills (last amended September 21, 2006)
- 40 CFR Part 61 Subpart M - National Emission Standard for Asbestos
- 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (last amended April 20, 2006)
- 40 CFR Part 64 - Compliance Assurance Monitoring (CAM)
- 40 CFR Part 82 Subparts B & F - Stratospheric Ozone

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

A. Rules Added

California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Sub-article 6, Sections 95460 through 95476, Methane Emissions from Municipal Solid Waste Landfills (California Air Resources Board (ARB) regulation)

C-150-1-9: Municipal Solid Waste Landfill (81 Acres), 4.6 Megagram Capacity with a 54 MMBtu/hr Landfill Gas Collection and Treatment System with McGill Model EGF-4 Enclosed Flare with Combustion Air Controls, Propane-Fired Pilot Flame, Flame Arrestor, Blowers, Concrete Condensate Sumps, Exhaust Stack and 67 Extraction Wells

- Conditions 14 and 59-79 of the requirements for this permit unit are based only on this regulation and therefore will not be discussed any further.

B. Rules Not Updated

District Rule 2040, Applications (amended December 17, 1992 ⇒ removed from SIP December 16, 2004)

C-150-0-4: Facility-Wide Requirements

- Condition 7 of the facility-wide requirements C-150-0-4 is based on the rule listed above and is not Federally Enforceable through Title V

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

C-150-0-4: Facility-Wide Requirements

- Condition 42 of the facility-wide requirements C-150-0-4 is based on the rule listed above and is not Federally Enforceable through Title V

VIII. PERMIT REQUIREMENTS

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

District Rule 2020 was last amended on December 18, 2014. The primary purpose of the amendments was to: clarify alignment of District Rule 2020 with the California Air Resources Board's (ARB) Portable Equipment Registration Program (PERP); to exempt certain oil field tanks with insignificant emissions; and to update standardized testing provisions. Prior to the December 18, 2014 amendments, District Rule 2020 was previously amended on August 18, 2011. On September 17, 2014, EPA approved the August 18, 2011 version of District Rule 2020 for inclusion into the SIP (79 FR 55637).

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

a. C-150-0-4: Facility-Wide Requirements

- Condition 4 of the requirements of the facility-wide permit assures compliance with this rule.

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

District Rule 2201 applies to new and modified sources that require a District permit. District Rule 2201 has been amended since this facility's Title V permit was last renewed. Pursuant to Section 3.25, a modification is defined as an action including at least one of the following items:

- 1) Any change in hours of operation, production rate, or method of operation of an existing emissions unit, which would necessitate a change in permit conditions.
- 1) Any structural change or addition to an existing emissions unit which would necessitate a change in permit conditions. Routine replacement shall not be considered to be a structural change.
- 2) An increase in emissions from an emissions unit caused by a modification of the Stationary Source when the emissions unit is not subject to a daily emissions limitation.
- 3) Addition of any new emissions unit which is subject to District permitting requirements.

- 4) A change in a permit term or condition proposed by an applicant to obtain an exemption from an applicable requirement to which the source would otherwise be subject.

This Title V permit renewal does not constitute a modification per Section 3.25. Therefore, the updated requirements of this rule are not applicable at this time.

C. District Rule 2520 - Federally Mandated Operating Permits

The purpose of this rule is to provide for the following: an administrative mechanism for issuing operating permits for new and modified sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for issuing renewed operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for revising, reopening, revoking, and terminating operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for incorporating requirements authorized by preconstruction permits issued under District Rule 2201 (New and Modified Stationary Source Review) in a Part 70 permit as administrative amendments, provided that such permits meet the necessary procedural and compliance requirements.

District Rule 2520 has not been amended since this facility's Title V permit was last renewed.

Greenhouse Gas Requirements

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

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

The requirements of 40 CFR Part 60, Subpart WWW apply to each existing municipal solid waste landfill for which construction, reconstruction, or modification was commenced on or after May 30, 1991.

This subpart has not been amended since the time of Title V permit for the facility was last renewed.

Conditions that addressed this subpart from the requirements of previous Permit Unit C-150-2-2 for the Municipal Solid Waste Landfill are now included as Conditions 53-55 of the requirements of Permit Unit C-150-1-9 for the Municipal Solid Waste Landfill and Gas Collection and control System.

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

40 CFR Part 63, Subpart AAAA establishes national emission standards for hazardous air pollutants for existing and new municipal solid waste (MSW) landfills. This subpart requires all landfills described in §63.1935 to meet the requirements of 40 CFR part 60, Subpart Cc or Subpart WWW. This subpart also requires such landfills to comply startup, shutdown, and malfunction requirements and includes monitoring and reporting requirements. In addition, a MSW landfill that is new affected source (an affected source that commenced construction or reconstruction after November 7, 2000) and is a major source must comply with the requirements of 40 CFR 63.1955(b) and 63.1960 through 63.1980 by the date the landfill installs a collection and control system as required by 49 CFR 60.752(b)(2) of subpart WWW.

This subpart has not been amended since the time of Title V permit for the facility was last renewed.

Conditions that addressed this subpart from the requirements of previous Permit Unit C-150-2-2 for the Municipal Solid Waste Landfill are now included as Conditions 56-58 of the requirements of Permit Unit C-150-1-9 for the Municipal Solid Waste Landfill and Gas Collection and control System.

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

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-150-1-9: Municipal Solid Waste Landfill (81 Acres), 4.6 Megagram Capacity with a 54 MMBtu/hr Landfill Gas Collection and Treatment System with McGill Model EGF-4 Enclosed Flare with Combustion Air Controls, Propane-Fired Pilot Flame, Flame Arrestor, Blowers, Concrete Condensate Sumps, Exhaust Stack and 67 Extraction Wells*

The landfill is equipped with a gas collection and treatment system with a flare that serves as a control device for VOC. The pre-control potential to emit for VOC from this permit unit exceeds the effective major source threshold of 10.0 ton-VOC/yr. Therefore, CAM is required for VOC from this permit unit. The emissions of NO_x, SO_x, PM, and CO from this permit unit result from operation of the flare and the unit is not equipped with any add-on controls for these pollutants. Therefore, CAM is not required for this permit unit for these pollutants.

To comply with CAM for the landfill, the proposed permit will require the facility to continuously monitor and record the combustion chamber temperature of the enclosed flare. 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 operator shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable.

The proposed permit will require the facility to inspect the enclosed flare burner and its associated components and the vapor collection system on an annual basis. The records of inspections shall at least contain the 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 operator shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7.

- Conditions 48-52 of the requirements for this permit unit assure compliance with CAM requirements.

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. Obsolete Permit Shields From Existing Permit Requirements

Obsolete permit shields for existing permit units have been removed because the referenced rules have been superseded by the adoption of newer rules or amendments to existing rules and/or the referenced rules have been removed from the SIP. The existing permit shield was granted under a previous version of a rule, and that permit shield is no longer valid and must be removed from the permit requirements.

C-150-0-2: Facility-Wide Requirements

Condition 46 of the previous requirements of the facility-wide permit granted a permit shield from Fresno County Rule 401. District Rule 4101 (as amended 2/17/05) replaced this rule in the SIP. Therefore, the permit shield for Fresno County Rule 401 has been removed.

Condition 47 of the PTO granted a permit shield from District Rule 2040 as amended 12/17/1992. Because this rule is not an applicable requirement included in the SIP, the permit shield is invalid and has been removed.

X. PERMIT CONDITIONS

See Attachment A - Renewed Title V Operating Permit.

XI. ATTACHMENTS

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

ATTACHMENT A

Renewed Title V Operating Permit



Permit to Operate

FACILITY: C-150

EXPIRATION DATE: 04/30/2019

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

BROWNING FERRIS INDUSTRIES
ATTN: DON LITCHFIELD, ENVIRONMENTAL MANAGER
9999 S AUSTIN ROAD
MANTECA, CA 95336

FACILITY LOCATION:

8662 W MUSCAT AVE
FRESNO, CA 93710

FACILITY DESCRIPTION:

MUNICIPAL WASTE LANDFILL

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-150-0-4

EXPIRATION DATE: 04/30/2019

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; Fresno County Rule 110] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; Fresno County Rule 110] 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 (8/18/2011). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040]
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: BROWNING FERRIS INDUSTRIES
Location: 8662 W MUSCAT AVE, FRESNO, CA 93710
C-150-0-4 : May 6 2015 1:45PM - NORMANR

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 2 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 Rule 8021 and 8011] 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 Rule 8031 and 8011] 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 Rule 8041 and 8011] 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 Rule 8051 and 8011] 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 Rule 8061 and Rule 8011] 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 Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirement: Fresno County Rule 110. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin October 1 of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
42. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-150-1-9

EXPIRATION DATE: 04/30/2019

EQUIPMENT DESCRIPTION:

MUNICIPAL SOLID WASTE LANDFILL (81 ACRES), 4.6 MILLION MEGAGRAM CAPACITY WITH A 54 MMBTU/HR LANDFILL GAS COLLECTION AND TREATMENT SYSTEM WITH MCGILL MODEL EGF-4 ENCLOSED FLARE WITH COMBUSTION AIR CONTROLS, PROPANE-FIRED PILOT FLAME, FLAME ARRESTOR, BLOWERS, CONCRETE CONDENSATE SUMPS, EXHAUST STACK AND 67 EXTRACTION WELLS

PERMIT UNIT REQUIREMENTS

1. Landfill gas shall be tested for sulfur content quarterly using Draeger tubes. If source specific historical data (for a period of at least one year) shows seasonal variation of less than 20%, then landfill gas shall be tested annually using Draeger tubes. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
2. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
3. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. Actual flare emissions shall not exceed 10 tons VOC/year. Process information, including fuel usage data for the flare and process rates for operations controlled by the flare, shall be submitted to the District annually. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Flare shall be equipped with a failure alarm to automatically shut off the blower and landfill gas supply. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Landfill gas flowrate shall be monitored by flow indicator and recorders. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Gas collection system shall be sealed at all times during operation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. All condensate traps shall remain covered unless treatment of condensate is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Flame temperature indicator and recorder shall be operated whenever gas is flared. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Flare temperature shall be maintained to at least 1,400 degrees F. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Total volume of landfill gas flared shall not exceed 2,600 scf/min (3,744,000 scf/day) and shall be recorded daily. [District Rules 2520, 9.3.2 and 2201] Federally Enforceable Through Title V Permit
12. Emissions shall not exceed any of the following: NO_x - 0.0616 lb/MMbtu, PM₁₀ - 2.92 lb/hr, CO - 7.75 lb/hr, SO_x - 1.1 lb/hr, nor VOC (NMHC) - 1.92 lb/hr. [District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
13. Daily emissions shall not exceed any of the following: NO_x - 63.4 lb/day, PM₁₀ - 70.0 lb/day, CO - 186.0 lb/day, SO_x - 27.1 lb/day, nor VOC(NMHC) - 47.0 lb/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.

14. Methane destruction efficiency shall be at least 99% by weight. [17 CCR 95464]
15. Interior wells: DEW-04, DEW-06, and DEW-07 may be operated with 15% oxygen concentration or less, provided that the temperature of these wells stays below the 130 F which would indicate that aerobic decomposition is not occurring. [40 CFR 60.753(c)] Federally Enforceable Through Title V Permit
16. Perimeter wells: EW-01, EW-02, EW-04, EW-05, EW-07, EW-09, EW-10, EW-12, EW-16, EW-17, EW-18, EW-20, EW-22, EW-23, EW-24, EW-25, EW-28, EW-29, EW-31, EW-32, EW-33, EW-35, EW-36, EW-38, EW-40, EW-43, EW-46, EW-47, EW-49, EW-50, EW-53, EW-55, and EW-56 may be operated with 15% oxygen concentration or less, provided that the temperature of these wells stays below the 55 degrees C (131 degrees F) that would indicate that aerobic decomposition is not occurring. [40 CFR 60.753(c)] Federally Enforceable Through Title V Permit
17. The enclosed flare shall either reduce VOC by 98 weight percent or reduce the outlet VOC concentration to less than 20 parts per million by volume, dry basis as methane at 3 percent oxygen. [District Rules 2201 and 4102, and 40 CFR 60.752(b)(2)(iii)(B)] Federally Enforceable Through Title V Permit
18. The enclosed flare control devices shall be operated within the parameter ranges established during the initial or most recent performance test. [40 CFR 60.752(b)(2)(iii)(B)(2) and 17 CCR 95464] Federally Enforceable Through Title V Permit
19. Except during periods of startup, shutdown, and malfunction, the permittee shall continuously monitor and record combustion chamber temperature. The enclosed flare average combustion temperature, for all 3-hour periods of operation, shall not drop more than 28 degrees C (50 degrees F) below the average combustion temperature, during the most recent performance test at which compliance with 60.752(b)(2)(iii)(B)(2) was determined. Upon detecting any temperature excursion lower than 28 degrees C (50 degrees 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. Duration of startup, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for control devices where free venting of landfill gas occurs. [40 CFR 60.758(c)(1)(i), 60.755(e)] Federally Enforceable Through Title V Permit
20. The owner or operator shall measure the gauge pressure in the gas collection header at each individual interior well on a monthly basis as provided in 60.755(a)(3). If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days. 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 Administrator for approval. [40 CFR 60.755(a)(3), 60.756(a)(1)] Federally Enforceable Through Title V Permit
21. The owner or operator shall monitor each interior well monthly for temperature and oxygen as provided in 60.753(c) and 60.755(a). If a well exceeds one of these operating parameters or the alternative limits as specified in this permit, 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 exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval. [40 CFR 60.753(c), 60.755(a)(3) and (a)(5), 60.756(a)(2) and (a)(3)] Federally Enforceable Through Title V Permit
22. The operator shall record the surface emission tests including test time, weather conditions, precipitation records, areas sampled, calibration records, and test results on a quarterly basis except as otherwise provided in 40 CFR 60 Subpart WWW for closed landfills. Corrective action shall be taken if required in accordance to 40 CFR 60.755(c). [District Rule 2201, 40 CFR 60.755(c), 60.756(f)] Federally Enforceable Through Title V Permit
23. Permittee shall maintain continuous records of flare combustion temperature and volumetric gas flow rate. Permittee shall record and test the net heating value of landfill gas being combusted at least annually using ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2201 and 40 CFR 60.756(b), 60.758(b)(2)(i), (c)(2) and (b)(2)(i)] 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.

24. 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) At a wellhead within the immediate vicinity of filling; (3) Use of a geomembrane or synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan; (4) 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), 17 CCR 95464 and 17 CCR 95468] Federally Enforceable Through Title V Permit
25. Permittee shall operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing 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. [40 CFR 60.753(d), 60.755(c)(1)] Federally Enforceable Through Title V Permit
26. Permittee shall operate the enclosed flares at all times when the collected gas is routed to it. [40 CFR 60.753(f)] Federally Enforceable Through Title V Permit
27. 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. [40 CFR 60.753(a)] Federally Enforceable Through Title V Permit
28. Permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 C (131 F) and with oxygen level less than 5 percent except under the following conditions: (1) A fire or increased well temperature; or (2) at a wellhead within the immediate vicinity of filling. The owner or operator may establish a higher operating temperature 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
29. The collection system shall be operated so that the methane concentration is less than 500 parts per million above background at the surface of the landfill, and such that all collected gases are sent to a control system designed and operated in compliance with 60.752(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour. [40 CFR 60.753(d), (e), 60.755(c)] Federally Enforceable Through Title V Permit
30. If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in 40 CFR 60.755(a)(3 - 5) or (c). [40 CFR 60.753(g)] Federally Enforceable Through Title V Permit
31. 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 a Landtec GEM gas meter or equal, in accordance with the equipment requirements set forth in 40 CFR 60.753 for field measurement of temperature and oxygen or 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 +/-10 percent. [40 CFR 60.753(c)(2)] Federally Enforceable Through Title V Permit
32. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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33. 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
34. 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 and 40 CFR 60.754(d)] Federally Enforceable Through Title V Permit
35. Each well or design component shall be placed as specified in the approved design plan as provided in 40 CFR 60.752(b)(2)(i). [40 CFR 60.755(b)] Federally Enforceable Through Title V Permit
36. Surface monitoring shall be performed 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
37. 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
38. 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 shall be used. 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 which shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(d), (e)] Federally Enforceable Through Title V Permit
39. 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
40. The enclosed flare(s) shall be equipped with a temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of ± 1 percent of the temperature being measured expressed in degrees Celsius or ± 0.5 degrees Celsius, whichever is greater. The temperature indicator and recorder must operate continuously. [District Rule 2201 and 40 CFR 60.756(b)(1)] Federally Enforceable Through Title V Permit
41. The owner/operator shall install, calibrate, maintain, and operate a meter with a continuous recording device 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 60.754(b)(1), 60.756(b)(2)] Federally Enforceable Through Title V Permit
42. When performing surface monitoring, any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring. [40 CFR 60.756(f)] Federally Enforceable Through Title V Permit
43. The operator shall monitor and record maintenance-related and other control system downtimes and individual well shutdowns. Exceedances defined under 60.758(c) shall be reported once every 180 days. [District Rule 4102 and 40 CFR 60.757(f), (g)(4) and 60.758(c) and (e)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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44. 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
45. 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
46. 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. If applicable, 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
47. 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
48. 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 64 and 40 CFR 60.758(c)(1)(i)] Federally Enforceable Through Title V Permit
49. 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 64] Federally Enforceable Through Title V Permit
50. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
51. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
52. 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 64] Federally Enforceable Through Title V Permit
53. 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) and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
54. 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) and 60.757(d)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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55. 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 recordkeeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758, and 60.759] Federally Enforceable Through Title V Permit
56. The owner or operator shall comply with the requirements of 40 CFR 63.1960 through 63.1985, and with the general provisions of 40 CFR part 63, as specified in table 1 of 40 CFR part 63, subpart AAAA. [40 CFR 63.1955(b) and 63.1980(b)] Federally Enforceable Through Title V Permit
57. The owner or operator shall develop and implement a written startup, shutdown, and malfunction (SSM) plan according to the provisions of 40 CFR 63.6(e)(3). A copy of the SSM plan shall be maintained on site. Failure to write, implement or maintain a copy of the SSM plan is a deviation from the requirements of 40 CFR part 63, subpart AAAA. [40 CFR 63.1960] Federally Enforceable Through Title V Permit
58. The owner or operator shall keep records and reports as specified in 40 CFR part 60 subpart WWW, except that the owner or operator shall submit the annual report described in 40 CFR 60.757(f) every 6 months. [40 CFR 63.1980(a)] Federally Enforceable Through Title V Permit
59. Landfill gas collection system wellheads must be operated under vacuum. Monthly monitoring of wellheads is required. Landfill gas collection system wellheads may be operated under neutral or positive pressure when there is a fire or during other times as allowed in sections 95464(c), 95464(d), and 95464(e). [17 CCR 95464]
60. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. If compliance with the methane limit has been demonstrated for 4 consecutive quarters, then the component checking frequency shall be annually. If an annual test fails to show compliance, quarterly testing shall resume. [17 CCR 95464]
61. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
62. The flare must be source tested annually. 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]
63. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464]
64. Landfill collection and control system must be operated such that landfill surface methane emissions shall not exceed instantaneous surface emission limit of 500 ppmv as methane or integrated surface emission limit of 25 ppmv as methane. [17 CCR 95464, 17 CCR 95465]
65. Instantaneous and integrated landfill surface emissions measurements shall be done quarterly. If there are no exceedances after 4 consecutive quarterly measurements, the facility may measure annually. Any exceedances that can not be remediated within 10 days or any exceedances during compliance inspection will result in a return to quarterly monitoring. [17 CCR 95469]
66. 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]
67. 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]
68. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]
69. Permittee shall keep records of all instantaneous surface readings of 200 ppmv or greater; all exceedances of the limits in sections 95464(b)(1)(B) or 95465, including the location of the leak (or affected grid), leak concentration in ppmv, date and time of measurement, the action taken to repair the leak, date of repair, any required re-monitoring and the re-monitored concentration in ppmv, and wind speed during surface sampling; and the installation date and location of each well installed as part of a gas collection system expansion. [17 CCR 95470]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

70. 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]
71. Permittee shall terminate surface emission testing when the measured average wind speed is over 10 mph or the instantaneous wind speed is over 20 mph. [17 CCR 95468, 17 CCR 95471]
72. Permittee shall keep records of the current amount of waste-in-place. [17 CCR 95470]
73. 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]
74. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]
75. 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]
76. 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]
77. 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]
78. 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]
79. Permittee may comply with the CARB regulation for landfill methane control measures by using approved alternative compliance options. The permittee shall obtain written District approval for the use of any alternative compliance options not specifically approved by this permit. Changes to the approved alternate compliance options must be made and approved in writing. Documentation of approved alternative compliance options shall be available for inspection upon request. [17 CCR 95468]

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

ATTACHMENT B

Previous Title V Operating Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



HEALTHY AIR LIVING™

Permit to Operate

FACILITY: C-150

EXPIRATION DATE: 04/30/2014

LEGAL OWNER OR OPERATOR:

BROWNING FERRIS INDUSTRIES

MAILING ADDRESS:

ATTN: DON LITCHFIELD, ENVIRONMENTAL MANAGER
9999 S AUSTIN ROAD
MANTECA, CA 95336

FACILITY LOCATION:

8662 W MUSCAT AVE
FRESNO, CA 93710

FACILITY DESCRIPTION:

MUNICIPAL WASTE LANDFILL

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-150-0-3

EXPIRATION DATE: 04/30/2014

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] 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 (3/21/02). [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 9.12.1] 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: BROWNING FERRIS INDUSTRIES
Location: 8682 W MUSCAT AVE, FRESNO, CA 93710
C-150-0-3; Feb 23 2015 1:36PM - NORMANR

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 (2/17/05). 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 the Table of Standards 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 for architectural coatings 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 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 82, Subpart B. [40 CFR 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8021 and 8011] 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8031 and 8011] 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8041 and 8011] 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8051 and 8011] 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 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 (9/16/04) or Rule 8011 (8/19/04). [District Rule 8071 and Rule 8011] 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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
40. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin October 1 of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
41. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used, unless exempted under section 4.0 of District Rule 4601. [District Rule 4601, 5.5] Federally Enforceable Through Title V Permit
42. All operational landfills shall comply with the requirements of District Rule 8041 (8/19/04). This condition also applies to closure activities and closed landfill sites when activities are conducted which disturb surface soils covering an area greater than one (1) acre. [District Rule 8041]
43. Any open area having 3.0 acres or more of disturbed surface area, that has remained undeveloped, unoccupied, unused or vacant for more than seven days shall comply with the requirements of Rule 8051 (8/19/04), unless specifically exempted under section 4.0 of Rule 8051. [District Rule 8051]
44. Any unpaved vehicle/equipment traffic area of 1.0 acre or larger shall comply with the requirements of Rule 8071 (9/16/04), unless specifically exempted under section 4.0 of Rule 8071. [District Rule 8071]
45. Specialty Coating Limitations: No person shall apply, sell, solicit, or offer for sale any architectural coating listed in the Tables of Standards (District Rule 4601, Table 1 and Table 2), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs in excess of the specified limits after the corresponding date listed in Table 1 (grams of VOC per liter of coating as applied less water and exempt compounds, excluding any colorant added to tint bases) and in Table 2 (grams of VOC per liter of material), except as provided in Section 5.3 of Rule 4601 (Amended 12/17/09). [District Rule 4601, 5.2] Federally Enforceable Through Title V Permit
46. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), and Rule 111 (Kern, Tulare, Kings). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
47. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (12/17/09); 8021 (8/19/04); 8031 (8/19/04); 8041 (8/19/04); 8051 (8/19/04); 8061 (8/19/04); and 8071 (9/16/04). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-150-1-8

EXPIRATION DATE: 04/30/2014

EQUIPMENT DESCRIPTION:

54 MMBTU/HR LANDFILL GAS COLLECTION AND TREATMENT SYSTEM WITH MCGILL MODEL EGF-4 ENCLOSED FLARE WITH COMBUSTION AIR CONTROLS, PROPANE-FIRED PILOT FLAME, FLAME ARRESTOR, BLOWERS, CONCRETE CONDENSATE SUMPS, EXHAUST STACK AND 67 EXTRACTION WELLS

PERMIT UNIT REQUIREMENTS

1. Landfill gas shall be tested for sulfur content quarterly using Draeger tubes. If source specific historical data (for a period of at least one year) shows seasonal variation of less than 20%, then landfill gas shall be tested annually using Draeger tubes. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
2. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
3. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. Actual flare emissions shall not exceed 20 tons VOC/year. Process information, including fuel usage data for the flare and process rates for operations controlled by the flare, shall be submitted to the District annually. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Flare shall be equipped with a failure alarm to automatically shut off the blower and landfill gas supply. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Landfill gas flowrate shall be monitored by flow indicator and recorders. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Gas collection system shall be sealed at all times during operation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. All condensate traps shall remain covered unless treatment of condensate is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Flame temperature indicator and recorder shall be operated whenever gas is flared. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Flare temperature shall be maintained to at least 1400 degree F. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Total volume of landfill gas flared shall not exceed 2600 scf/min (3,744,000 scf/day) and shall be recorded daily. [District Rules 2520, 9.3.2 and 2201] Federally Enforceable Through Title V Permit
12. Emissions shall not exceed any of the following: NO_x - 0.0616 lb/MMbtu, PM₁₀ - 2.92 lb/hr, CO - 7.75 lb/hr, SO_x - 1.1 lb/hr, nor VOC(NMHC) - 1.92 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Daily emissions shall not exceed any of the following: NO_x - 63.4 lb/day, PM₁₀ - 70.0 lb/day, CO - 186.0 lb/day, SO_x - 27.1 lb/day, nor VOC(NMHC) - 47.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Methane destruction efficiency shall be at least 99% by weight. [17 CCR 95464]

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

15. Interior wells: DEW-04, DEW-06, and DEW-07 may be operated with 15% oxygen concentration or less, provided that the temperature of these wells stays below the 130 °F which would indicate that aerobic decomposition is not occurring. [40 CFR 60.753(c)] Federally Enforceable Through Title V Permit
16. Perimeter wells: EW-01, EW-02, EW-04, EW-05, EW-07, EW-09, EW-10, EW-12, EW-16, EW-17, EW-18, EW-20, EW-22, EW-23, EW-24, EW-25, EW-28, EW-29, EW-31, EW-32, EW-33, EW-35, EW-36, EW-38, EW-40, EW-43, EW-46, EW-47, EW-49, EW-50, EW-53, EW-55, and EW-56 may be operated with 15% oxygen concentration or less, provided that the temperature of these wells stays below the 130 °F which would indicate that aerobic decomposition is not occurring. [40 CFR 60.753(c)] Federally Enforceable Through Title V Permit
17. The enclosed flares shall either reduce VOC by 98 weight percent or reduce the outlet VOC concentration to less than 20 parts per million by volume, dry basis as methane at 3 percent oxygen. [District Rules 2201 and 4102, and 40 CFR 60.752(b)(2)(iii)(B)] Federally Enforceable Through Title V Permit
18. The enclosed flares shall be equipped with a temperature indicator and recorder which measures and records the operating temperature. The temperature indicator and recorder must operate continuously. [40 CFR 60.756(b)(1)] Federally Enforceable Through Title V Permit
19. The enclosed flare control devices shall be operated within the parameter ranges established during the initial or most recent performance test. [40 CFR 60.752(b)(2)(iii)(B)(2) and 17 CCR 95464] Federally Enforceable Through Title V Permit
20. Except during periods of startup, shutdown, and malfunction, the permittee shall continuously monitor and record combustion chamber temperature. The enclosed flare average combustion temperature, for all 3-hour periods of operation, shall not drop more than 28 degrees C below the average combustion temperature, during the most recent performance test at which compliance with 60.752(b)(2)(iii)(B)(2) was determined. 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. Duration of startup, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for control devices where free venting of landfill gas occurs. [40 CFR 60.758(c)(1)(i), 60.755(e)] Federally Enforceable Through Title V Permit
21. The owner or operator shall measure the gauge pressure in the gas collection header at each individual interior well on a monthly basis as provided in 60.755(a)(3). If a positive pressure exists, action shall be initiated to correct the exceedance within 5 calendar days. 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 Administrator for approval. [40 CFR 60.755(a)(3), 60.756(a)(1)] Federally Enforceable Through Title V Permit
22. The owner or operator shall monitor each interior well monthly for temperature and 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 exceedances of other operational or performance standards. An alternative timeline for correcting the exceedance may be submitted to the Administrator for approval. [40 CFR 60.753(c), 60.755(a)(3) and (a)(5), 60.756(a)(2) and (a)(3)] Federally Enforceable Through Title V Permit
23. The operator shall record quarterly the surface emission tests including test time, weather conditions, precipitation records, areas sampled, calibration records, and test results. Corrective action shall be taken if required in accordance to 40 CFR 60.755(c). [District Rule 2201, 40 CFR 60.755(c), 60.756(f)] Federally Enforceable Through Title V Permit
24. Permittee shall maintain continuous records of flare combustion temperature and volumetric gas flow rate. Permittee shall record and test the net heating value of landfill gas being combusted at least annually using ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2201 and 40 CFR 60.756(b), 60.758(b)(2)(i), (c)(2) and (b)(2)(i)] 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.

25. 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. [40 CFR 60.758(d)] Federally Enforceable Through Title V Permit
26. 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) At a wellhead within the immediate vicinity of filling; (3) Use of a geomembrane or synthetic cover. The owner or operator shall develop acceptable pressure limits in the design plan; (4) 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), 17 CCR 95464 and 17 CCR 95468] Federally Enforceable Through Title V Permit
27. Permittee shall operate the collection system so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator shall conduct surface testing 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. [40 CFR 60.753(d), 60.755(c)(1)] Federally Enforceable Through Title V Permit
28. Compliance with the surface methane operational standard shall be demonstrated using the procedures outlined in 40 CFR 60.755(c) within 180 days of installation and startup of the collection and control system and quarterly thereafter. [40 CFR 60.753(d), 60.755(c)] Federally Enforceable Through Title V Permit
29. Permittee shall operate the enclosed flares at all times when the collected gas is routed to it. [40 CFR 60.753(f)] Federally Enforceable Through Title V Permit
30. 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
31. Permittee shall operate each interior wellhead in the collection system with a landfill gas temperature less than 55 C and with oxygen level less than 5 percent except under the following conditions: (1) A fire or increased well temperature; or (2) at a wellhead within the immediate vicinity of filling. The owner or operator may establish a higher operating temperature 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
32. The collection system shall be operated so that the methane concentration is less than 500 parts per million above background at the surface of the landfill, and such that all collected gases are sent to a control system designed and operated in compliance with 60.752(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour. [40 CFR 60.753(d), (e), 60.755(c)] Federally Enforceable Through Title V Permit
33. If monitoring demonstrates that the operational requirements are not met, corrective action shall be taken as specified in 40 CFR 60.755(a)(3 - 5) or (c). [40 CFR 60.753(g)] Federally Enforceable Through Title V Permit
34. 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 a Landtec GEM gas meter or equal, in accordance with the equipment requirements set forth in 40 CFR 60.753 for field measurement of temperature and oxygen or 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 +/-10 percent. [40 CFR 60.753(c)(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.

35. 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
36. 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
37. 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 and 40 CFR 60.754(d)] Federally Enforceable Through Title V Permit
38. Each owner or operator shall place each well or design component as specified in the approved design plan as provided in 40 CFR 60.752(b)(2)(i). Each well shall be installed no later than 60 days after the date on which the initial solid waste has been in place for a period of: 1) 5 years or more if active or 2) 2 years or more if closed or at final grade. [40 CFR 60.755(b)] Federally Enforceable Through Title V Permit
39. Surface monitoring shall be performed 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
40. 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
41. 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 shall be used. 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 which shall not exceed 5 days for collections systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(d), (e)] Federally Enforceable Through Title V Permit
42. 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
43. The enclosed flares shall be equipped with a temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of ± 1 percent of the temperature being measured expressed in degrees Celsius or ± 0.5 degrees Celsius, whichever is greater. The temperature indicator and recorder must operate continuously. [District Rule 2201 and 40 CFR 60.756(b)(1)] Federally Enforceable Through Title V Permit
44. The owner/operator shall install, calibrate, maintain, and operate a meter with a continuous recording device 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 60.754(b)(1), 60.756(b)(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.

45. When performing surface monitoring, any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring. [40 CFR 60.756(f)] Federally Enforceable Through Title V Permit
46. The operator shall monitor and record maintenance-related and other control system downtimes and individual well shutdowns. Exceedances defined under 60.758(c) shall be reported once every 180 days. [District Rule 4102 and 40 CFR 60.757(f), (g)(4) and 60.758(c) and (e)] Federally Enforceable Through Title V Permit
47. 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
48. 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
49. 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. If applicable, 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
50. 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
51. Landfill gas collection system wellheads must be operated under vacuum. Monthly monitoring of wellheads is required. Landfill gas collection system wellheads may be operated under neutral or positive pressure when there is a fire or during other times as allowed in sections 95464(c), 95464(d), and 95464(e). [17 CCR 95464]
52. Landfill gas collection system components downstream of blower have a leak limit of 500 ppmv as methane. Components must be checked quarterly. If compliance with the methane limit has been demonstrated for 4 consecutive quarters, then the component checking frequency shall be annually. If an annual test fails to show compliance, quarterly testing shall resume. [17 CCR 95464]
53. The flare must operate within the parameter ranges established during the initial or most recent source test. [17 CCR 95464]
54. The flare must be source tested annually. 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]
55. The flare must have automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [17 CCR 95464]
56. Landfill collection and control system must be operated such that landfill surface methane emissions shall not exceed instantaneous surface emission limit of 500 ppmv as methane or integrated surface emission limit of 25 ppmv as methane. [17 CCR 95464, 17 CCR 95465]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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57. Instantaneous and integrated landfill surface emissions measurements shall be done quarterly. If there are no exceedances after 4 consecutive quarterly measurements, the facility may measure annually. Any exceedances that can not be remediated within 10 days or any exceedances during compliance inspection will result in a return to quarterly monitoring. [17 CCR 95469]
58. 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]
59. 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]
60. Permittee shall keep records of the expected gas generation flow rate calculated pursuant to section 95471(e). [17 CCR 95470]
61. 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]
62. 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]
63. Permittee shall terminate surface emission testing when the measured average wind speed is over 10 mph or the instantaneous wind speed is over 20 mph. [17 CCR 95468, 17 CCR 95471]
64. Permittee shall keep records of the annual solid waste acceptance rate and the current amount of waste-in-place. [17 CCR 95470]
65. 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]
66. Permittee shall keep records of any source tests conducted pursuant to section 95464(b)(4). [17 CCR 95470]
67. 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]
68. 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]
69. 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]
70. Permittee shall submit the following reports as required in section 95470(b): Closure notification, Equipment removal report and Annual report. All reports must be accompanied by a certification of truth, accuracy, and completeness signed by a responsible official. [17 CCR 95470]

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

71. Permittee may comply with the CARB regulation for landfill methane control measures by using approved alternative compliance options. The permittee shall obtain written District approval for the use of any alternative compliance options not specifically approved by this permit. Changes to the approved alternate compliance options must be made and approved in writing. Documentation of approved alternative compliance options shall be available for inspection upon request. [17 CCR 95468]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-150-2-2

EXPIRATION DATE: 04/30/2014

EQUIPMENT DESCRIPTION:

MUNICIPAL SOLID WASTE LANDFILL (81 ACRES), 4.6 MILLION MEGAGRAM CAPACITY

PERMIT UNIT REQUIREMENTS

1. 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) and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
2. This operating permit may be cancelled with APCO approval when the landfill 1) is closed, pursuant to the requirements of this permit, 2) never needed control, and 3) is not otherwise subject to the requirements of part 40 CFR 70. [40 CFR 60.752(b)] Federally Enforceable Through Title V Permit
3. 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) and 60.757(d)] Federally Enforceable Through Title V Permit
4. If a gas collection and control system is installed, it shall comply with the operational standards of 40 CFR 60.753, the compliance provisions of 40 CFR 60.755, the monitoring provisions of 40 CFR 60.756, the reporting and recordkeeping requirements of 40 CFR 60.757 and 60.758, and the requirements of 40 CFR 60.759 (for active collection systems). [40 CFR 60.752(b)(2)(ii), 60.753, 60.755, 60.756, 60.757, 60.758, and 60.759] Federally Enforceable Through Title V Permit
5. If required to install a gas collection and control system in accordance with the provisions of 40 CFR 60.752(b)(2), the owner or operator shall comply with the requirements of 40 CFR 63.1960 through 63.1985, and with the general provisions of 40 CFR part 63, as specified in table 1 of 40 CFR part 63, subpart AAAA. [40 CFR 63.1955(b) and 63.1980(b)] Federally Enforceable Through Title V Permit
6. If required to install a gas collection and control system in accordance with the provisions of 40 CFR 60.752(b)(2), the owner or operator shall develop and implement a written startup, shutdown and malfunction (SSM) plan according to the provisions of 40 CFR 63.6(e)(3). A copy of the SSM plan shall be maintained on site. Failure to write, implement or maintain a copy of the SSM plan is a deviation from the requirements of 40 CFR part 63, subpart AAAA. [40 CFR 63.1960] Federally Enforceable Through Title V Permit
7. If required to install a gas collection and control system in accordance with the provisions of 40 CFR 60.752(b)(2), the owner or operator shall keep records and reports as specified in 40 CFR part 60 subpart WWW, except that the owner or operator shall submit the annual report described in 40 CFR 60.757(f) every 6 months. [40 CFR 63.1980(a)] Federally Enforceable Through Title V Permit

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

ATTACHMENT C

Detailed Facility List

Detailed Facility Report
For Facility=150
Sorted by Facility Name and Permit Number

BROWNING FERRIS INDUSTRIES 8662 W MUSCAT AVE FRESNO, CA 93710	FAC #: STATUS: TELEPHONE:	C 150 A 9254589800	TYPE: TOXIC ID:	TitleV	EXPIRE ON: AREA: INSP. DATE:	04/30/2014 4 / 07/15
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-150-1-8	54 MMBTU/HR LANDFILL GAS COLLECTION AND TREATMENT	3020-02 H	1	1,030.00	1,030.00	A	54 MMBTU/HR LANDFILL GAS COLLECTION AND TREATMENT SYSTEM WITH MCGILL MODEL EGF-4 ENCLOSED FLARE WITH COMBUSTION AIR CONTROLS, PROPANE-FIRED PILOT FLAME, FLAME ARRESTOR, BLOWERS, CONCRETE CONDENSATE SUMPS, EXHAUST STACK AND 67 EXTRACTION WELLS
C-150-2-2	81 acre landfill	3020-12 Q	1	2,108.00	2,108.00	D	MUNICIPAL SOLID WASTE LANDFILL (81 ACRES), 4.6 MILLION MEGAGRAM CAPACITY

Number of Facilities Reported: 1

ATTACHMENT D

Facility Comments and District Responses

Permit Unit C-150-0-4: Facility-Wide Requirements

1. Facility Comment: Definition of Breakdown in Facility-Wide Requirements

Browning-Ferris Industries requests that the term 'Breakdown' be defined in Conditions 1 and 2.

District Response:

Pursuant to the facility-wide requirements of the Title V Permit, if a term is not defined in a Title V permit condition, the definition in the rule cited shall apply. Therefore, for purposes of these conditions and the Title V Permit, a breakdown condition is defined as follows:

Breakdown Condition: an unforeseeable failure or malfunction of any air pollution control equipment, or related operating equipment, which causes a violation of any emission limitation or restriction prescribed by applicable District (or Fresno County) rules and regulations, or by State Law; or any in-stack continuous monitoring equipment, where such failure or malfunction:

- (1) Is not the result of neglect or disregard of any air pollution control law, rule or regulation; and
- (2) Is not intentional or the result of negligence; and
- (3) Is not the result of improper maintenance; and
- (4) Does not constitute a nuisance; and
- (5) Is not a recurrent breakdown of the same equipment.

2. Facility Comment: Conditions 23, 24, 25, 27, 28, 33, 34, and 35 of the Facility-Wide Requirements

Comment 2: Conditions 23, 24, 25, 27, 28, 33, 34, and 35 do not appear to be applicable to the Chateau Fresno landfill because it is a closed landfill with no public access and no landfill-related activities, except the gas collection and control system maintenance that is required to comply with regulatory requirements.

Condition 33 does not appear to be applicable, as Section 4.0 (Exemptions) of SJVAPCD Rule 8061 states that any unpaved road segment with less than 26 annual average daily vehicle trips is exempt. The average daily vehicle trips for Chateau are close to zero per day because the landfill is closed.

District Response:

Conditions 23, 24, and 25 (Rule 4601 - requirements for agricultural coatings); 27 and 28 (40 CFR 82 – requirements for service, repair and disposal of appliances and ozone depleting refrigerants used in motor vehicles); 33 and 34 (Regulation VIII requirements for paved and unpaved roads and unpaved vehicle/equipment areas);

and 35 (40 CFR 61 Subpart M – procedures for disposal of asbestos containing materials) are standard conditions that cover regulated activities that could potentially occur at any facility. These activities generally do not occur at a particular facility on a consistent basis; however, because these activities are subject to federally-enforceable requirements and may be conducted periodically at almost any facility, it is the District's practice to place these conditions on the facility-wide requirements of Title V permits in case the need to perform any of these activities does arise at the facility. Therefore, the conditions will remain on the Facility-Wide Requirements of the Title V permit.

Permit Unit C-150-1-9: 54 MMBtu/hr Landfill Gas Collection and Treatment System with Enclosed Flare and 67 Extraction Wells

1. Facility Comment: Previously Issued Authority to Construct (ATC) C-150-1-10

We wish to note that the District issued an Authority to Construct (ATC) on October 29, 2014 for a much smaller flare to replace the existing flare. As such, the ATC conditions for the new flare will supersede the conditions specific to the flare in this Permit Unit when they are incorporated into the Title V Permit.

District Response:

Comment noted

2. Facility Comment: Condition 4: Limit for Actual VOC Emissions from Flare

Browning-Ferris Industries states that they do not understand why the limit for actual flare VOC emissions was reduced from 20 tons per year to 10 tons per year since District Rule 2520 has not been updated.

District Response:

The previous limit for actual VOC emissions from the flare was based on a condition in the Initial Title V permit to limit flare VOC emissions and ensure compliance with requirements of 40 CFR 60.18, which subsequently was determined not to apply to the flare. NSR Conditions actually limit the Potential to the Emit of the flare to no more than 8.6 tons of VOC per year (based on the 47.0 lb/day VOC limit). Therefore, Condition 4 limiting the actual VOC emissions from the flare was revised to better reflect the maximum allowed potential to emit.

3. Facility Comment: Conditions 6 and 44 – monitoring of the landfill gas flow rate

Browning-Ferris Industries requests that Conditions 6 and 43 be combined in one condition.

District Response:

The basis of Condition 6 is District Rule 2201 – New and Modified Stationary Source Review Rule. The basis given for Condition 44 of the proposed permit (Condition 41 of the final permit) is 40 CFR 60 Subpart WWW – Standards of Performance for Municipal Solid Waste Landfills. Combining conditions based on different federally-enforceable requirements could potentially require additional notice and review. Because the public review period for Title V permit renewal had almost been completed at the time this comment was received, these conditions will not be combined at this time. However, Browning-Ferris Industries may request to combine these conditions by submitting an application for a Title V modification or an application for an ATC with a Certificate of Conformity (COC).

4. Facility Comment: Conditions 18 and 44 – Flare Temperature Monitoring

Browning-Ferris Industries states that Conditions 6 and 43 seem redundant and requests that they be combined into one condition.

District Response:

Conditions 18 and 43 both require the enclosed flare to be equipped with a temperature monitoring device and recorder that operates continuously. Condition 43 provides details on the minimum accuracy of the temperature monitoring device. 40 CFR 60.756(b)(1) is cited as a basis for both conditions. The District agrees that these conditions are duplicative. Therefore, Condition 18 has been removed from the requirements of the permit.

5. Facility Comment: Conditions 19, 51, and 58 – Requirement that the Flare be operated within parameter ranges established during the most recent performance test, Compliance Assurance Monitoring (CAM), and Requirement that flare be operated within parameter ranges established during the most recent source test

Browning-Ferris Industries requests that conditions 19, 51, and 58 be combined into a single condition.

Additionally, Browning-Ferris Industries requests that the Compliance Assurance Monitoring (CAM) citation be removed. Browning-Ferris Industries states that it appears that the CAM regulation is not applicable to the Chateau Fresno landfill

since it is subject to emission limitation or standard that was proposed after November 15, 1990, pursuant to Sections 111 and 112 of the Clean Air Act.

District Response:

These conditions address different requirements and therefore will not be combined in the permit. Condition 19 of the proposed permit (Condition 18 of the final permit) is a federally enforceable condition that requires that the flare be operated within the parameter ranges established during the initial or most recent performance test required in accordance with 40 CFR 60 Subpart WWW. The performance test is to verify destruction of non-methane organic compounds (NMOC).

Condition 58 of the proposed permit (Condition 61 of the final permit) is not a federally enforceable condition and is not part of the Title V permit. The condition requires the flare to be operated within the parameter ranges established during the most recent source test in accordance with California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Sub-article 6, Section 95464 - Methane Emissions from Municipal Solid Waste Landfills. The source test is to verify methane destruction and must be completed at least one every three years per the California regulation.

The District does not agree that the flare is not subject to CAM. Although the flare is subject to emission limitations or standards that were proposed after November 15, 1990, pursuant to Sections 111 and/or 112 of the Clean Air Act that are exempt from CAM requirements, the permit requirements for the flare also include federally-enforceable NSR emission limits for VOC that are not exempt from CAM. Therefore, the flare is subject to CAM for VOC because of these NSR limits.

6. Facility Comment: Condition 22 – Requirements for monitoring wellhead temperature and corrective action

Condition 22 should reference the alternative limits for wells listed in Condition 16. Browning-Ferris Industries suggests the following language:

"If a well exceeds one of these operating parameters, or the alternative limit per Condition #16, action shall be initiated..."

District Response:

The wording of the condition has been modified to state:

"If a well exceeds one of these operating parameters or the alternative limits as specified in this permit, action shall be initiated ..."

See Condition 21 of the final permit

7. Facility Comment: Conditions 25 and 49 – Plot Map of the Collector System

Browning-Ferris Industries states that Conditions 25 and 49 seem redundant and requests that they be combined into one condition.

District Response:

Conditions 25 and 49 of the proposed permit both require the facility to maintain an up-to-date, readily accessible plot map of the collector system. 40 CFR 60.758(d) is cited as the basis for both conditions. The District agrees that these conditions are duplicative. Therefore, Condition 25 has been removed from the requirements of the permit.

8. Facility Comment: Conditions 16, 22, and 31 – Landfill Well Temperature and Oxygen Requirements

The oxygen and temperature requirements in Conditions 22 and 31 appear to be redundant, as they both provide the limits for each operating standard. Browning-Ferris Industries proposes to combine the conditions.

Condition 16 provides an alternative temperature limit of <130°F. Browning-Ferris Industries requests use of the regulatory limit of <131°F (< 55 °C), instead of <130 °F. In addition, the temperature limits are expressed as degrees Fahrenheit (°F) in Condition 16 and 31 as degrees Celsius (°C) in Condition 31. Browning-Ferris Industries requests that Conditions 16 and 31 include both temperature units (°F or °C) or include only °F to clarify the requirements.

District Response:

Condition 22 of the proposed permit (Condition 21 of the final permit) requires monitoring of the temperature and oxygen content of the landfill interior wells and also requires initiation of corrective action if the specified operating parameters of the wells are exceeded. Condition 31 of the proposed permit (Condition 28 of the final permit) requires that each interior wellhead be operated below a certain temperature and oxygen level except under specified conditions or if an alternative limit has been established for a particular well. Operation of the wells within the specified operating parameters and monitoring the specified parameters and taking corrective action, as required in the two conditions, are related but are different requirements. Therefore, the two conditions will not be combined.

As requested, the temperature limit in Condition 16 has been revised to match the regulatory limit of less than < 55 °C (<131°F) and proposed Conditions 16 and 31 (Conditions 16 and 28 of the final permit) have been revised to include the temperature expressed in both °F and °C.

9. Facility Comment: Conditions 23, 27, and 45 – Quarterly Surface Emissions Monitoring

Conditions 23, 27, and 45 should indicate that for closed landfill sites, both the NSPS and LMR regulations allow for annual testing after four (4) consecutive quarters of compliant results.

Please note that condition #45 does have that annual SEM provision for closed sites, but incorrectly states that annual is allowed after three quarters, instead of four quarters.

District Response:

Condition 23 of the proposed permit (Condition 22 of the final permit) has been revised to clarify that monitoring is required quarterly except as otherwise provided in 40 CFR 60 Subpart WWW for closed landfills.

Condition 27 of the proposed permit (Condition 25 of the final permit) does not specify a frequency for monitoring and, therefore, has not been revised.

The wording of Condition 45 of the proposed permit (Condition 42 of the final permit) is the same as the wording in 40 CFR 60.756(f), which states: "*Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring.*" Therefore, this condition was not changed.

10. Facility Comment: Condition 28 – Surface Emissions Monitoring within 180 Days of Startup of the Gas Collection and Control System

Condition 28 not necessary as the Gas Collection and Control System at the Landfill has been in operation for longer than 180 days.

District Response:

This condition has been removed since it is no longer necessary.

11. Facility Comment: Conditions 30 and 38 – Operation of the Landfill Gas Collection System and Placement of Wells

Conditions 30 and 38 are not necessary. The landfill has been closed for more than 15 years.

District Response:

These conditions have been revised to reflect requirements applicable to the closed landfill. See Conditions 27 and 35 of the final permit.

12. Facility Comment: Conditions 34, 35, 39, and 41 – Surface Emissions Monitoring

There is unnecessary amount of detail in each of these conditions for the permit. Perhaps the applicable regulatory sections could be cited in each of the conditions thereby significantly reducing the length of the condition.

District Response:

The conditions do not seem to be any longer than other conditions included in the permit requirements. The details provided in the conditions help to ensure compliance with the applicable requirements. Therefore, these conditions have not been revised.

13. Facility Comment: Conditions 51-55 – Compliance Assurance Monitoring (CAM) Requirements

Conditions 51 through 55 are associated with the requirements in 40 Code of Federal Regulation (CFR) Part 64 (Compliance Assurance Monitoring [CAM]). Upon further review of the CAM requirements, it is our understanding that the site is not subject to these regulations. The evaluation correctly states that the uncontrolled Volatile Organic Compound (VOC) emissions from the landfill make the site major for VOCs, that there is an emission standard for VOCs, and a control device (flare) is used to meet that standard. However, the standard was proposed after November 15, 1990, pursuant to Sections 111 and 112 of the Clean Air Act. As such, according to the exemption provision in Section 64.2 (b)(1)(i), the site is exempt from the requirement of 40 CFR Part 64.

District Response:

As stated above, the flare is subject to CAM because, in addition to emission limitations or standards that were proposed after November 15, 1990 pursuant to Sections 111 and/or 112 of the Clean Air Act, the requirements for the permit unit include federally-enforceable NSR emission limits for VOC that are not exempt from CAM.

14. Facility Comment: Condition 66 – Non-Federally-Enforceable Requirement for Recordkeeping of Methane Emissions from Municipal Solid Waste Landfills

Browning-Ferris Industries requests that the language in condition #66 specifies that surface readings of 200 ppm are not exceedances and surface emissions exceeding 500 ppm (regulatory limit) are exceedances.

District Response:

Condition 66 of the proposed permit (Condition 69 of the final permit) is not a federally enforceable condition and is not part of the Title V permit. The condition is based on California Code of Regulations (CCR) Title 17 Section 95470. The exceedances specified in the California regulation include both an instantaneous reading that exceeds 500 ppmv, measured as methane, and an average methane concentration reading exceeding 25 ppmv as determined by integrated surface emissions. Therefore, the condition correctly references the requirements of the applicable regulation and has not been revised. Please note that because the California regulation and permit condition are not federally-enforceable requirements, exceedances of the methane limits in the regulation are not exceedances for purposes of the Title V permit.

15. Facility Comment: Condition 69 – Non-Federally-Enforceable Requirement Recordkeeping of the Solid Waste Acceptance Rate

Condition 69 requires keeping the annual solid waste acceptance rate. This is requirement is not applicable because Chateau Fresno is a closed landfill. Browning-Ferris Industries has maintained the current waste-in place since its closure. Browning-Ferris Industries requests that this condition be removed.

District Response:

Condition 69 of the proposed permit (Condition 72 of the final permit) is not a federally enforceable condition and is not part of the Title V permit. The condition is based on California Code of Regulations (CCR) Title 17 Section 95470. The condition required records to be kept of the annual solid waste acceptance rate and the current amount of waste-in-place. The condition has been revised to only require records of the current amount of waste-in-place for the landfill.

Permit Unit C-150-2-3: Municipal Solid Waste Landfill (81 Acres), 4.6 Megagram Capacity

1. Facility Comment: Combining Requirements of Permit Units C-150-2-3 and C-150-1-9 and Removal of Outdated Requirements

Conditions 1 and 3 appear to be obsolete, as the landfill has been closed for more than 15 years. The remaining conditions are already covered in Permit Unit 1-9, or should be included in Permit Unit -1-9. Browning-Ferris Industries requests that Permit Unit -2-3 be removed, the description section of Permit Unit -1-9 be revised to include the landfill and collection system, and any relevant conditions from Permit Unit -2-3 would be incorporated into Permit Unit -1-9.

District Response:

Condition 1 requires records be kept of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Condition 3 requires submittal of a closure notification to the APCO and if a closure report has been submitted, requires submittal of a notification pursuant to 40 CFR 60.7(a)(4) prior to any additional waste being placed in the landfill. All applicable requirements contained in these conditions are not necessarily obsolete; therefore they will not be removed from the permit requirements at this time.

The District usually includes the requirements for municipal solid waste landfills and the gas collection and control system under a single permit unit. It appears that separate permit unit requirements were first issued for the Chateau Fresno municipal solid waste landfill during the Initial Title V permitting action. The purpose of this was to incorporate the requirements of 40 CFR 60 Subpart WWW that applied to the landfill because at that time Permit Unit C-150-1 for the gas collection and control system only included requirements for the flare and applicable NSR limits. Requirements for 40 CFR 60 Subpart WWW were recently added to the requirements of Unit C-150-1 through Project C-1130280 for ATC C-150-1-8, which was issued with a Certificate of Conformity (COC). The District agrees that there is no longer a need to maintain separate permit unit requirements for the gas collection and control system and municipal solid waste landfill. Therefore, the requirements of these permit units have been combined and the permit description has been revised. The applicable requirements of Unit C-150-2-3 are now included as Conditions 53-58 of the requirements of Unit C-150-1-9.