



FEB 11 2020

Mr. David Rocha
Baker Commodities, Inc.
16801 W Jensen Ave
Kerman, C 93630

Re: Notice of Preliminary Decision – Title V Permit Renewal
Facility Number: C-72
Project Number: C-1183177

Dear Mr. Rocha:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Baker Commodities, Inc. at 16801 W Jensen Ave, Kerman, California.

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

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

Sincerely,



Arnaud Marjollet
Director of Permit Services

Enclosures

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

Samir Sheikh
Executive Director/Air Pollution Control Officer

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**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
Baker Commodities, Inc.
C-72**

TABLE OF CONTENTS

I.	PROPOSAL	1
II.	FACILITY LOCATION	1
III.	EQUIPMENT LISTING	1
IV.	GENERAL PERMIT TEMPLATE USAGE	2
V.	SCOPE OF EPA AND PUBLIC REVIEW	2
VI.	FEDERALLY ENFORCEABLE REQUIREMENTS	2
VII.	REQUIREMENTS NOT FEDERALLY ENFORCEABLE	5
VIII.	FEDERALLY ENFORCEABLE PERMIT REQUIREMENTS	5
IX.	PERMIT SHIELD	8
X.	PERMIT CONDITIONS	8
XI.	ATTACHMENTS	8
A.	DRAFT RENEWED TITLE V OPERATING PERMIT	
B.	PREVIOUS TITLE V OPERATING PERMIT	
C.	DETAILED FACILITY EQUIPMENT LIST	

TITLE V PERMIT RENEWAL EVALUATION

Rendering Plant

Engineer: Kamaljit Sran
Date: February 6, 2020

Facility Number: C-72
Facility Name: Baker Commodities, Inc.
Mailing Address: 16801 W Jensen Ave
Kerman, CA 93630

Contact Name: David Rocha
Phone: (559) 846-9393

Responsible Official: Davis Rocha
Title: Plant Manager

Project # : C-1183177
Deemed Complete: June 1, 2018

I. PROPOSAL

Baker Commodities, Inc. was issued a renewed Title V Permit on June 5, 2015. 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 previous Title V permit renewal.

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

II. FACILITY LOCATION

Baker Commodities, Inc. is located at 16801 West Jensen Avenue in Kerman, California.

III. EQUIPMENT LISTING

See Attachment C for a list of all permitted equipment at the facility.

IV. GENERAL PERMIT TEMPLATE USAGE

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

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

The applicant has requested to utilize general permit template SJV-UM-0-3, Facility Wide Umbrella. Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

Template SJV-UM-0-3 conditions have been added as conditions 1 through 40 for the facility wide requirements (C-72-0-3).

V. SCOPE OF EPA AND PUBLIC REVIEW

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

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

- Conditions 1 through 40 of permit unit C-72-0-3, including their underlying applicable requirements, originate from the model general permit template and are not subject to further EPA and Public review.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

Rules Addressed by General Permit Template

- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements, (adopted November 18, 1992)
- District Rule 2010, Permits Required, (amended December 17, 1992)
- District Rule 2020, Exemptions, (amended December 18, 2014)¹

¹ The amendments made to this rule on August 18, 2011 and December 18, 2014 have no impact on this source; therefore template SJV-UM-0-3 is still valid for this project.

- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits, Sections 5.2, 9.1.1, 9.4, 9.5, 9.7, 9.8, 9.9, 9.13.1, 9.13.2, 9.16, and 10.0 (amended August 15, 2019)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4601, Architectural Coatings (amended December 17, 2009)
- District Rules 8021, 8031, 8041, 8051, and 8061, Fugitive Dust (PM₁₀) Emissions (amended August 19, 2004)
- District Rule 8071, Fugitive Dust (PM₁₀) Emissions (amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended September 18, 2003)

Rules Not Addressed by General Permit Template

A. Rules Updated or Evaluated

- District Rule 2201, New and Modified Stationary Source Review Rule (amended August 15, 2019)
- District Rule 2520, Federally Mandated Operating Permits (amended August 15, 2019)
- 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended August 15, 2016)
- CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended July 7, 2016)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (adopted October 22, 1997)

- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended August 23, 2019)²
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended December 27, 2017)²

B. Rules Rescinded

No rules have been rescinded since the last Title V Permit renewal for this facility was issued.

C. Rules Adopted

No rules have been adopted since the last Title V Permit renewal for this facility was issued.

D. Rules Not Updated

- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 2410, Prevention of Significant Deterioration (adopted June 16, 2011)
- District Rule 4104, Reduction of Animal Matter (adopted December 17, 1992)
- District Rule 4201, Particulate Matter Concentration (amended December 19, 1992)
- District Rule 4202, Particulate Matter - Emission Rate (amended December 19, 1992)
- District Rule 4301, Fuel Burning Equipment (amended December 19, 1992)
- District Rule 4305, Boilers, Steam Generators, and Process Heaters - Phase 2 (amended August 21, 2003)
- District Rule 4306, Boilers, Steam Generators, and Process Heaters - Phase 3 (amended October 16, 2008)
- District Rule 4320, Advanced Emission Reduction Options For Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr (amended October 16, 2008)

² This subpart was amended since last renewal TV permit was issued. However, the amendments to this subpart does not have any effect on existing permit requirements as addressed by condition 27 of permit unit C-72-0-3 on the draft renewed permit.

- District Rule 4621, Gasoline Transfer Into Stationary Storage Containers, Delivery Vessels, And Bulk Plants (amended December 19, 2013)
- District Rule 4622, Gasoline Transfer Into Motor Vehicle Fuel Tanks (amended December 19, 2013)
- District Rule 4351, Boilers, Steam Generators, and Process Heaters - Phase 1 (amended August 21, 2003)
- District Rule 4702, Internal Combustion Engines (amended November 14, 2013)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains both the federally enforceable requirements as well as 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 rules are not federally enforceable and will not be discussed in detail:

A. Rules Not Updated

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

There are no additions, deletions, modifications to any of the Rule 4102-based permit conditions on any of the permits.

VIII. FEDERALLY ENFORCEABLE PERMIT REQUIREMENTS

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

A. District Rule 2201 - New and Modified Stationary Source Review (NSR) Rule

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

B. District Rule 2520 – Federally Mandated Operating Permits

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

C. 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

a. C-72-10-2: Fire Pump Engine

This engine is subject to 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines because it was manufactured after April 1, 2006, as required by Section 60.4200(a)(2)(i).

Section 60.4205(b) requires the engine to comply with the standards in section 60.4202 for all pollutants for the same model year and maximum engine power. Section 60.4202(a)(ii) requires that engines over 50 bhp must meet the EPA standards in 40 CFR 89.112 and 40 CFR 89.113. According to the Manufacturer's Emission Data the engine will comply with the all standards.

Sections 60.4206 and 60.4211(a) require that the owner/operator operate and maintain the engine according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. Condition 5 of the requirements for permit unit C-72-10-2 ensure compliance with this section.

Section 60.4207(a) requires that by October 1, 2007, the owner/operator must use fuel that complies with 40 CFR 80.510(a). This means that the fuel must have a sulfur content of 500 parts per million (ppm) maximum, a cetane index of 40 or a maximum aromatic content of 35 volume percent. This requirement is obsolete and been superseded by a requirement as described below.

Section 60.4207(b) requires that by October 1, 2010, the owner/operator must use fuel that complies with 40 CFR 80.510(b). This means that the fuel must have a sulfur content of 15 parts per million (ppm) maximum, and the same cetane index or aromatic content. Condition 3 of the requirements for permit unit C-72-10-2 ensure compliance with this section.

Section 60.4209(a) requires a non-resettable hour meter. This requirement is already in the standard permit conditions. Condition 4 of the requirements for permit unit C-72-10-2 ensure compliance with this section.

Section 60.4211(c) requires that owner or operator must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or §60.4205(c) for fire pump engine by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable. This engine will comply with the requirements of Section 60.4211(c) because engine have been certified in accordance with 40 CFR Part 89.

Section 60.4211(f) requires that emergency stationary ICE operate for maintenance, testing, and required regulatory purposes for a maximum of 100 hours per calendar year. Condition 10 of the requirements for permit unit C-72-10-2 ensure compliance with this section.

The owner/operator is not required to perform tests in accordance with section 60.4212 or 60.4213.

Section 60.4214 states that owner/operators do not have to submit an initial notification to EPA for emergency engines.

Because the engines do not have a diesel particulate filter, it is not subject to section 60.4214(c).

D. 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

a. C-72-10-2: Fire Pump Engine

The requirements of 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, are applicable to owners and operators of a stationary RICE located at a major or area source of HAP emissions. This facility is not a major source of HAP emissions and is therefore, by definition, and area source of HAP emissions. Therefore, the requirements of this subpart are applicable to these engines.

This engine comply with the NESHAPS by complying with NSPS, Subpart IIII, per Section 63.6590 (C) (1) of the NESHAPS 40 CFR 63, Subpart ZZZZ.

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

§64.2 – Applicability

This section 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.

There have not been any other new emission units installed or equipment modifications at the facility since the previous Title V renewal. The major source thresholds for all pollutants have not changed since the last Title V renewal. The last Title V renewal performed CAM applicability determinations for each permit unit. No new permit units were installed since issuance of last TV renewal, consequently, a CAM discussion is not required.

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. Permit Shields from Model General Permit Templates

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

B. Obsolete Permit Shields from Existing Permit Requirements

There are no obsolete permit shields being removed in this renewal.

X. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

XI. ATTACHMENTS

- A. Draft Renewal Title V Operating Permit
- B. Expired Title V Operating Permit
- C. Detailed Facility List

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: C-72-0-3

EXPIRATION DATE: 06/30/2019

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; 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; 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] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010 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, 2080, and 2520] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. 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] 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] 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: BAKER COMMODITIES, INC
Location: 16801 W JENSEN AVE, KERMAN, CA 93630
C-72-0-3 Feb 6 2020 10:44AM - SRANK

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] 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 and 1100] 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] 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] 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] 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] 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] 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] 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] 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] 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] 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] Federally Enforceable Through Title V Permit
22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601] 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] 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] 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] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation) [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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] 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] 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] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/04); 8031 (8/19/04); 8041 (8/19/04); 8051 (8/19/04); 8061 (8/19/04); and 8071 (9/16/04). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
41. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin December 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
42. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-1-6

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

ANIMAL RENDERING OPERATION INCLUDING A RAW MATERIAL RECEIVING OPERATION EQUIPPED WITH ONE (1) 195' X 175' OUTDOOR RAW MATERIAL UNLOADING CONCRETE SLAB, ONE (1) PRE-BREAKER, ONE RAW MATERIAL CONVEYANCE SCREW SYSTEM, ONE (1) 3,500 LB CAPACITY FEED HOPPER SERVING COOKERS #2 AND #3, AND A PERMIT EXEMPT WASTE WATER LAGOON SYSTEM (DAILY EMISSIONS LESS THAN 2 LBS VOC/DAY)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All equipment or systems installed or used to achieve compliance with the terms and conditions of this permit shall be maintained in good working order and be operated as efficiently as possible to minimize air pollution emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The Air Pollution Control District shall be immediately notified of any breakdown or malfunction that reduces or disrupts the normal processing of odors required by this permit. [District Rule 4102]
6. The District shall have authority to investigate possible odors alleged to originate from the facility and to make a determination of whether or not a nuisance exists, either in response to a complaint or on its own initiative. [District Rules 1070 and 4102] Federally Enforceable Through Title V Permit
7. The APCO or any authorized representative shall have access to inspect any equipment, operation, records, method required in this permit, to sample emissions from the source or require samples to be taken, or perform any other actions to assure compliance with the requirements of this permit and all District rules and regulations. [District Rule 1070] Federally Enforceable Through Title V Permit
8. The premises of the plant shall be kept clean and free from spillage of raw or finished materials, refuse, and standing pools of water which may present a nuisance condition. All raw material spills shall be cleaned up immediately. [District Rule 4102]
9. Delivery trucks shall be unloaded within 2 hours of entering the property. [District Rule 4102]
10. No storage of raw materials outside of the 195' x 175' unloading pit slab area is permitted. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
11. Trucks waiting their turn to unload within the 2 hour unload time limitation are not considered storage outside of the 195' x 175' pit slab area. [District Rule 4102]
12. All trucks and truck tires delivering raw material shall be washed clean of raw material and raw material residue prior to exiting the facility premises in order to minimize trackout of raw material or raw material residue. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All raw material trucks shall be maintained in condition to prevent leakage of any solid or liquid material. [District Rule 4102]
14. The rendering plant shall not be operated unless the odor control system is operating and in full use. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total facility raw material process rate shall not exceed 1,920,000 pounds (960 tons) per day and 505,000,000 pounds (252,500 tons) per year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. Except during periods of equipment breakdown as determined by the District under Rule 1100, all material received shall be processed within 24 hours of receipt. Raw material shall be monitored to ensure that processing is performed within this time limit using feedstock records and plant output records. [District Rules 1100 and 4102]
17. If raw material cannot be processed within 24 hours of receipt, raw material shall be diverted to other facilities. No further deliveries shall be received until a 24 hour turnaround for raw material is achievable. [District Rule 4102]
18. The owner and/or operator shall comply with all the provisions of District Rule 4102, Nuisance. [District Rule 4102]
19. Permittee shall keep daily and annual records of the amount of raw material received and processed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made readily available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-3-18

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

ANIMAL RENDERING OPERATION INCLUDING MEAT AND BONE MEAL COOKING OPERATION WITH: ONE PRE-BREAKER, ONE RAW MATERIAL CONVEYANCE SCREW SYSTEM ONE HOGGER, THREE DUPPS MODEL 1200 COOKERS VENTED TO THREE AIR-TO-AIR VAPOR CONDENSERS AND TO A 60" 1D-1D MOISTURE KNOCK-OUT CYCLONE, THREE PRESSORS, ONE CLARIFIER, ONE CENTRIFUGE, 2 TALLOW WORK TANKS, PERMIT-EXEMPT FAT, YELLOW GREASE, AND TALLOW STORAGE TANKS, HOT CRAX HOLDING BIN AND TRANSFER SCREW VENTED TO A 16" 2D-2D MOISTURE KNOCK-OUT CYCLONE, VARIOUS ASSOCIATED TRANSFER SCREWS AND ELEVATORS VENTED TO A 60-INCH 1D-1D MOISTURE KNOCK-OUT CYCLONE, AND ALL CYCLONES VENTING TO ONE 1.46 MMBTU/HR NATURAL GAS-FIRED DUAL CHAMBER REGENERATIVE THERMAL OXIDIZER (RTO) AND A BACKUP 10 MMBTU/HR SPENCER NATURAL GAS-FIRED THERMAL OXIDIZER/AFTERBURNER AND WASTE HEAT RECOVERY BOILER

PERMIT UNIT REQUIREMENTS

1. The premises of the plant shall be kept clean and free from spillage of raw or finished materials, refuse, and standing pools of water which may present a nuisance condition. All raw material spills shall be cleaned up immediately. [District Rule 4102]
2. The District shall have authority to investigate possible odors alleged to originate from the facility and to make a determination of whether or not a nuisance exists, either in response to a complaint or on its own initiative. [District Rules 1070 and 4102] Federally Enforceable Through Title V Permit
3. The APCO or any authorized representative shall have access to inspect any equipment, operation, records, method required in this permit, to sample emissions from the source or require samples to be taken, or perform any other actions to assure compliance with the requirements of this permit and all District rules and regulations. [District Rule 1070] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. All equipment shall be maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All equipment or systems installed or used to achieve compliance with the terms and conditions of this permit shall be maintained in good working order and be operated as efficiently as possible to minimize air pollution emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The Air Pollution Control District shall be immediately notified of any breakdown or malfunction that reduces or disrupts the normal processing of odors required by this permit. [District Rule 4102]
9. The rendering plant shall not be operated unless the RTO (or thermal oxidizer during RTO downtime) is operating and in full use. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All non-condensables from the condensers and vapors from the presses, tallow work tanks, bird machine, screen screw, press screw, hogger, transfer screw, bins and elevators shall be incinerated in the RTO or thermal oxidizer at all times during operation. [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.

11. The RTO (or thermal oxidizer during RTO downtime) shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4102, and 4801] Federally Enforceable Through Title V Permit
12. All non-condensable emissions and vapors shall be incinerated in the RTO (or thermal oxidizer during RTO downtime) at a minimum temperature of 1,200 °F and a minimum retention time of 0.57 seconds. [District Rules 4102, and 4104] Federally Enforceable Through Title V Permit
13. Emissions from the RTO serving the rendering operation shall not exceed any of the following limits: 0.2034 lb-NOx/ton; 0.0862 lb-SOx/ton; 0.0552 lb-PM10/ton; 0.2414 lb-CO/ton; or 0.0052 lb-VOC/ton. All emissions measurements shall be averaged over a period of 15 minutes. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Emissions from the thermal oxidizer (during RTO downtime) serving the rendering operation shall not exceed any of the following limits: 0.59 lb-NOx/MMBtu, 0.015 lb-VOC/MMBtu, 0.25 lb-SOx/MMBtu, 0.7 lb-CO/MMBtu, or 0.16 lb-PM10/MMBtu. All emissions measurements shall be averaged over a period of 15 minutes. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total facility raw material process rate shall not exceed 1,392,000 pounds (696 tons) per day or 331,128,000 pounds (165,564 tons) per year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. Total emissions from the RTO (or thermal oxidizer during RTO downtime) serving the rendering operation shall not exceed either of the following limits: 141.6 lb-NOx/day or 51,684 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Total emissions from the RTO (or thermal oxidizer during RTO downtime) serving the rendering operation shall not exceed any of the following limits: 60.0 lb-SOx/day; 38.4 lb-PM10/day; 168.0 lb-CO/day; and 3.6 lb-VOC/day [District Rule 2201] Federally Enforceable Through Title V Permit
18. The permittee shall calculate the daily and annual NOx emission rate as: Total NOx Emission Rate (in pounds) = NOx Emission Rate (lb-NOx/ton) x Rendering process weight (ton/day and ton/year). [District Rule 2201] Federally Enforceable Through Title V Permit
19. The permittee shall calculate the daily SOx emission rate as: Total SOx Emission Rate (in pounds) = SOx Emission Rate (lb-SOx/ton) x Rendering process weight (ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
20. The permittee shall calculate the daily PM10 emission rate as: Total PM10 Emission Rate (in pounds) = PM10 Emission Rate (lb-PM10/ton) x Rendering process weight (ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
21. The permittee shall calculate the daily CO emission rate as follows: Total CO Emission Rate (in pounds) = CO Emission Rate (lb-CO/ton) x Rendering process weight (ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
22. The permittee shall calculate the daily VOC emission rate as: Total VOC Emission Rate (in pounds) = VOC Emission Rate (lb-VOC/ton) x Rendering process weight ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
23. Separate thermocouples installed at the rear of each of the RTO and thermal oxidizer shall provide accurate temperature readings of flue gas. An audible alarm shall be installed to alert facility personnel to low temperature readings. [District Rules 2201, 4102, and 4104] Federally Enforceable Through Title V Permit
24. The RTO (or thermal oxidizer during RTO downtime) chamber temperature (in °F) shall be monitored by a continuously recording temperature device. These temperature recordings shall be made available for District inspection upon request. [District Rules 2201, 4102, and 4104] Federally Enforceable Through Title V Permit
25. Non-resettable, totalizing volumetric fuel flow meter shall be utilized to measure the cubic feet of natural gas combusted in the RTO and thermal oxidizer. [District Rule 2201] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of the daily and annual volume (scf) of natural gas combusted in the RTO and thermal oxidizer. [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.

27. The permittee shall maintain records of the total daily emissions of each pollutant, NO_x, SO_x, PM₁₀, CO, and VOC (in pounds). [District Rule 2201] Federally Enforceable Through Title V Permit
28. The permittee shall maintain records of the total annual NO_x emissions, in pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of all maintenance of the RTO and thermal oxidizer shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made readily available for District inspection upon request. [District Rules 1070, 2201, and 2520] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-6-5

EXPIRATION DATE: 08/30/2019

EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON ABOVEGROUND STORAGE TANK SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B), STANDING LOSS CONTROL (VR-301-F), AND ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE (DUE TO LOW THROUGHPUT)

PERMIT UNIT REQUIREMENTS

1. The Phase I vapor recovery system shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Order specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rule 4621] Federally Enforceable Through Title V Permit
2. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4621] Federally Enforceable Through Title V Permit
3. The storage container shall be installed, maintained, and operated such that it is leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
4. Only white paint, listed in the Executive Order specified in this permit for the Standing Loss Control System, shall be applied to the tank. The surface of the tank shall be prepared and the white paint shall be applied per manufacturer's specification. [District Rule 4621] Federally Enforceable Through Title V Permit
5. The permittee shall maintain the following records: 1) receipt of sale that demonstrates the purchase date and amount of white paint purchased, 2) record of the name of personnel applying white paint to include the date of application, surface preparation description (i.e. scraping, sanding, abrasive blasting, primer etc.), method of application (i.e. brush, roller, air/airless sprayer), average ambient temperature (degrees F) during application, and atmospheric observations during application (i.e. sunny, cloudy, rain, etc.), 3) record of the name of personnel that installed the P/V vent valve, and 4) Technical Data Sheet and/or Material Safety Data Sheet of the white paint that describes the surface preparation, application, and material safety of the white paint. [District Rule 4621] Federally Enforceable Through Title V Permit
6. The Phase I vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rule 4621] Federally Enforceable Through Title V Permit
7. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rule 4621] Federally Enforceable Through Title V Permit
8. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rule 4621] Federally Enforceable Through Title V Permit
10. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
11. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rule 4621] Federally Enforceable Through Title V Permit
12. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B or TP-206.3 at least once every 36 months. [District Rule 4621] Federally Enforceable Through Title V Permit
13. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
14. A person performing installation of, or maintenance on, a certified Phase I vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rule 4621] Federally Enforceable Through Title V Permit
15. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rule 4621] Federally Enforceable Through Title V Permit
16. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rule 4621] Federally Enforceable Through Title V Permit
17. The total gasoline throughput for this operation shall not exceed 1,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Total gasoline throughput for this operation shall not exceed the following: 10,000 gallons in any consecutive 30-day period and 18,000 gallons per rolling 12-month period. If the gasoline throughput exceeds the stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and shall install and test a certified Phase II vapor recovery system within six (6) months from the date the ATC is issued. [District Rules 2201, 4621, and 4622] Federally Enforceable Through Title V Permit
19. The permittee shall maintain daily and annual gasoline throughput records. The records shall calculate the gasoline throughput on a rolling 30-day period and a rolling 12-month period and shall be maintained on the premises as long as Phase II EVR exempt status is claimed. [District Rules 2201, 4621, and 4622] Federally Enforceable Through Title V Permit
20. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rule 4621] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-7-12

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

39.5 MMBTU/HR ERIE CITY IRON WORKS MODEL 95355 NATURAL GAS OR YELLOW GREASE-FIRED BOILER WITH A TODD MODEL RMB ULTRA LOW NOX BURNER AND FORCED DRAFT FLUE GAS RECIRCULATION SYSTEM

PERMIT UNIT REQUIREMENTS

1. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. If the District determines that the combustion of yellow grease or denatured yellow grease is causing a nuisance then the facility must cease combustion of this product in the boiler. [District Rule 4102]
5. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201 and 4301] Federally Enforceable Through Title V Permit
6. This boiler shall only be fired on PUC-regulated natural gas, yellow grease, or denatured yellow grease. [District Rules 2201 and 4301] Federally Enforceable Through Title V Permit
7. Denatured yellow grease is yellow grease blended with fuel oil No. 2, not to exceed 1.0% fuel oil No. 2 by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records of the gallons of fuel oil and yellow grease blended to make the denatured yellow grease fuel. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Operator shall record all dates on which the unit is fired on any fuel other than PUC-regulated natural gas. [District Rule 2520] Federally Enforceable Through Title V Permit
10. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520] Federally Enforceable Through Title V Permit
11. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by: ASTM D 240 or D 2382 for liquid hydrocarbon fuels; ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rules 2520, 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
12. Operator shall monitor and record for each unit the hhv and cumulative annual use of each fuel. [District Rules 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
13. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be utilized and maintained. Volumetric flow measurements shall be periodically compensated for temperature and pressure. [District Rules 2201, 4305, and 4306] 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of yellow grease (and denatured yellow grease) combusted in the unit shall be utilized and maintained. Volumetric flow measurements shall be periodically compensated for temperature and pressure. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. The combined amount of yellow grease and denatured yellow grease combusted in the unit shall not exceed any of the following limits: 4,736 gallons per day or 1,730,139 gallons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
16. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmvd NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 200 ppmvd CO @ 3% O2 or 0.146 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
17. When fired on yellow grease or denatured yellow grease, emissions rates from the unit shall not exceed any of the following limits: 40 ppmvd NOx @ 3% O2 or 0.052 lb-NOx/MMBtu, 0.002 lb-SOx/MMBtu, 0.016 lb-PM10/MMBtu, 200 ppmvd CO @ 3% O2 or 0.166 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
18. The amount of NOx emissions from this unit as a result of firing any combination of permitted fuels shall not exceed any of the following limits: 34.1 lb-NOx per day or 12,457 lb-NOx per year. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Annual and daily NOx emissions shall be calculated as: $[(1.1E-05 \text{ lb-NOx/scf}) \times (\text{amount of natural gas usage in scf}) + (7.2E-03 \text{ lb-NOx/gal}) \times (\text{amount of yellow grease usage in gallons})]$. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. If either the NOx or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
22. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
23. The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
24. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081] 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. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
26. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
27. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
28. Source testing shall be conducted using the methods and procedures approved by the District. 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] Federally Enforceable Through Title V Permit
29. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
30. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
31. Source testing to measure natural gas combustion NO_x and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
32. Source testing to measure yellow grease combustion NO_x and CO emissions from this unit shall be performed within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,877 gallons during any rolling 12-month period unless compliance with yellow grease NO_x and CO emissions has been demonstrated within 12 months prior to the date of the exceedance. After demonstrating compliance on two (2) consecutive source tests when the unit is fired on yellow grease, the unit shall be tested within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,877 gallons during any rolling 12-month period unless compliance with yellow grease NO_x and CO emissions has been demonstrated within 36 months prior to the date of the exceedance. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to the rolling 12-month period according to the requirements described above. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
33. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
34. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rules 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
35. When calculating NO_x emission limit for natural gas based on heat input (lb/MMBtu), fuel hhv shall be certified by third party supplier or ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
36. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
37. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
38. Source testing to measure concentrations of volatile organic compounds (VOC) shall be conducted using EPA methods 18 or 25, or CARB method 100. [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.

39. Source testing to measure concentrations of oxides of sulfur (SO_x) as SO₂ shall be conducted using EPA Methods 6 or 8, or CARB Method 100. [District Rule 2201] Federally Enforceable Through Title V Permit
40. Source testing to measure concentrations of PM₁₀ shall be conducted using EPA Method 201 and 202, or EPA Method 201a and 202. [District Rule 2201] Federally Enforceable Through Title V Permit
41. In lieu of performing a source test for PM₁₀, the results of the total particulate test may be used for compliance with the PM₁₀ emissions limit. If this option is used, then all of the particulate emissions will be considered to be PM₁₀. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Source testing to measure concentrations of total particulate emissions shall be conducted using CARB Method 5. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The permittee shall maintain records of daily, monthly, and annual yellow grease and denatured yellow grease usage and the dates the unit operated on yellow grease or denatured yellow grease. [District NSR Rule and District Rule 1070] Federally Enforceable Through Title V Permit
44. The permittee shall maintain records of daily, monthly, and annual natural gas usage. [District Rule 2201] Federally Enforceable Through Title V Permit
45. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4320] Federally Enforceable Through Title V Permit
46. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 4305, and 4306] Federally Enforceable Through Title V Permit
47. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
48. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201 and 4301. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
49. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
50. The requirements of 40 CFR 72.6(b) are not applicable because this is not an affected unit under the acid rain provisions. The requirements of 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-8-8

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

37.8 MMBTU/HR HURST MODEL SERIES 500 NATURAL GAS/YELLOW GREASE-FIRED BOILER EQUIPPED WITH JOHN ZINC/GORDON PIATT ULTRA LOW-NOX BURNER MODEL RMB-GO-90-E2-30-F9H WITH FORCED FGR

PERMIT UNIT REQUIREMENTS

1. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. If the District determines that the combustion of yellow grease or denatured yellow grease is causing a nuisance then the facility must cease combustion of this product in the boiler. [District Rule 4102]
5. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201 and 4301] Federally Enforceable Through Title V Permit
6. The boiler shall only be fired by PUC-regulated natural gas, yellow grease, or denatured yellow grease as primary fuels, with fuel oil #2 (diesel) as backup. [District Rules 2201 and 4301 and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
7. Denatured yellow grease is yellow grease blended with fuel oil No. 2, not to exceed 1.0% fuel oil No.2 by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records of the gallons of fuel oil and yellow grease blended to make the denatured yellow grease fuel. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Except for diesel fuel used to make denatured yellow grease, this unit shall only be fired on fuel oil #2 (diesel) during natural gas curtailment for no more than 168 cumulative hours in a calendar year plus 48 hours per calendar year for equipment testing. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
10. The sulfur content of the diesel fuel used shall not exceed 0.05% by weight. [District Rule 2201 and 40 CFR 60.42c(d) and 40 CFR 60.43c(e)(4)] Federally Enforceable Through Title V Permit
11. Natural gas consumption shall not exceed 771,264 scf per day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined amount of yellow grease and denatured yellow grease combusted in this boiler shall not exceed 3,914 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The amount of Fuel Oil #2 (Diesel) used as fuel in the boiler shall not exceed either of the following limits: 1,448 gallons per day or 13,031 gallons per year. [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. A non-resettable, totalizing volumetric fuel flow meter shall be utilized to measure the cubic feet of natural gas combusted in the boiler. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. A separate non-resettable, totalizing liquid fuel flow meter to measure, in gallons, the yellow grease (and denatured yellow grease) combusted in the boiler shall be utilized. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
16. A separate non-resettable, totalizing liquid fuel flow meter shall be utilized to measure the gallons of Fuel Oil #2 (Diesel) combusted in the boiler. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
17. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by: ASTM D 240 or D 2382 for liquid hydrocarbon fuels; ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rules 2520, 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
18. Emissions shall not exceed any of the following limits when fired on natural gas: 9 ppmv NOx @ 3% O2 (0.011 lb NOx/MMBtu), 0.00285 lb SOx/MMBtu, 0.0076 lb PM10/MMBtu, 175 ppmv CO @ 3% O2 (0.1295 lb CO/MMBtu), or 0.0042 lb VOC/MMBtu. All emissions measurements shall be averaged over a period of 15 minutes. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
19. Emissions shall not exceed any of the following limits when fired on yellow grease or denatured yellow grease: 40 ppmv NOx @ 3% O2 (0.0546 lb NOx/MMBtu), 0.002 lb SOx/MMBtu, 0.016 lb PM10/MMBtu, 200 ppmv CO @ 3% O2 (0.166 lb CO/MMBtu) or 0.0056 lb VOC/MMBtu. All emissions measurements shall be averaged over a period of 15 minutes. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
20. Emissions shall not exceed any of the following limits when fired on Fuel Oil #2: 19.2 lb NOx/1,000 gal (0.140 lb-NOx/MMBtu), 7.1 lb SOx/1,000 gal, 2.0 lb PM10/1,000 gal, 5.5 lb CO/1,000 gal, or 0.137 lb VOC/1,000 gal. All emissions measurements shall be averaged over a period of 15 minutes. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
21. Ongoing compliance with the daily or annual NOx emissions limit is calculated as follows: Total pounds of NOx emissions = $1.1E-05 \times \text{cubic feet (Natural Gas)} + 0.0072 \times \text{gallon (Yellow Grease and Denatured Yellow Grease)} + 0.0192 \times \text{gallon (Fuel Oil \#2)}$. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
22. NOx emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed either of the following: 27.8 lb NOx/day or 3,642 lb NOx/year. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
23. VOC emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed 3.2 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
24. SOx emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed 10.3 lb SOx/day. [District Rule 2201] Federally Enforceable Through Title V Permit
25. CO emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed 99.9 lb CO/day. [District Rule 2201] Federally Enforceable Through Title V Permit
26. PM10 emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed 8.2 lb PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
27. If the unit is fired on diesel fuel that is not supplier-certified 0.05% sulfur content or less, then the sulfur content of the fuel being fired in the unit shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520 and 40 CFR 60.42c(d), 40 CFR 60.44c(g), and 40 CFR 60.46c(d)] Federally Enforceable Through Title V Permit
28. If the unit is fired on diesel fuel that is not supplier-certified 0.05% sulfur content or less, the sulfur content of each fuel source shall be tested weekly, except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be semi-annually. [District Rule 2520 and 40 CFR 60.42c(d), 40 CFR 60.44c(g), and 40 CFR 60.46c(d)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

29. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520 and 40 CFR 60.42c(d)(h), 40 CFR 60.44c(h), 40 CFR 60.46c(e), and 40 CFR 60.48c(f)] Federally Enforceable Through Title V Permit
30. Operator shall record all dates on which the unit is fired on any fuel other than PUC-regulated natural gas. [District Rule 2520] Federally Enforceable Through Title V Permit
31. Operator shall monitor and record for each unit the hhv and cumulative annual use of each fuel. [District Rules 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
32. Source testing shall be conducted using the methods and procedures approved by the District. 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] Federally Enforceable Through Title V Permit
33. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081 and Fresno County Rule 108.1] Federally Enforceable Through Title V Permit
34. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
35. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
36. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
37. Source testing to measure NOx and CO combustion emissions from this boiler while firing on denatured yellow grease shall be conducted within 60 days of initial firing on denatured yellow grease. [District Rules 2201, 4102, 4305 and 4306] Federally Enforceable Through Title V Permit
38. Source testing to measure natural gas combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
39. Source testing to measure yellow grease combustion NOx and CO emissions from this unit shall be performed within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,958 gallons during any rolling 12-month period unless compliance with yellow grease NOx and CO emissions has been demonstrated within 12 months prior to the date of the exceedance. After demonstrating compliance on two (2) consecutive source tests when the unit is fired on yellow grease, the unit shall be tested within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,958 gallons during any rolling 12-month period unless compliance with yellow grease NOx and CO emissions has been demonstrated within 36 months prior to the date of the exceedance. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to the rolling 12-month period according to the requirements described above. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
40. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
41. Source testing to measure concentrations of oxides of nitrogen (as NO₂, ppmv) shall be conducted using EPA Method 7E or CARB Method 100; EPA Method 19 for NOx emission rate (lb/MMBtu). [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
42. Nitrogen oxide (NOx) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rules 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
43. Source testing to measure concentrations of carbon monoxide (CO) shall be conducted using EPA Method 10 or CARB Method 100. [District Rules 4305 and 4306] 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.

44. Source testing to measure the stack gas oxygen shall be conducted using EPA Methods 3 or 3A, or CARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
45. Source testing to measure concentrations of oxides of sulfur (SO_x) as SO₂ shall be conducted using EPA Methods 6 or 8, or CARB Method 100. [District Rule 2201] Federally Enforceable Through Title V Permit
46. Source testing to measure concentrations of PM₁₀ shall be conducted using EPA Method 201 and 202, or EPA Method 201a and 202, or CARB Method 501 and 5. [District Rule 2201] Federally Enforceable Through Title V Permit
47. In lieu of performing a source test for PM₁₀, the results of the total particulate test may be used for compliance with the PM₁₀ emissions limit. If this option is used, then all of the particulate emissions will be considered to be PM₁₀. [District Rule 2201] Federally Enforceable Through Title V Permit
48. Source testing to measure concentrations of total particulate emissions shall be conducted using CARB Method 5. [District Rule 2201] Federally Enforceable Through Title V Permit
49. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
50. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
51. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
52. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
53. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
54. If the unit is fired on back-up fuel (i.e. diesel) for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NO_x at least once during that year using an APCO approved portable NO_x analyzer. Monitoring for back-up fuel NO_x emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rule 4306] 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.

55. Back-up fuel NOx emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4306] Federally Enforceable Through Title V Permit
56. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4306] Federally Enforceable Through Title V Permit
57. The permittee shall maintain records of daily consumption of natural gas. [District Rules 2201 and 1070] Federally Enforceable Through Title V Permit
58. The permittee shall maintain records of dates the boiler operated on yellow grease or denatured yellow grease and the daily and annual amount of yellow grease and denatured yellow grease that was combusted in the boiler (in gallons). [District Rules 2201 and 1070] Federally Enforceable Through Title V Permit
59. The permittee shall maintain records of daily and annual amount of fuel oil that was combusted in the boiler (in gallons). [District Rules 2201 and 1070] Federally Enforceable Through Title V Permit
60. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil No. 2 during natural gas curtailment and testing. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
61. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4320] Federally Enforceable Through Title V Permit
62. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit
63. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 1081, 4201, 4301, and 4801. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
64. The requirements of 40 CFR 72.6(b) are not applicable because this is not an affected unit under the acid rain provisions. The requirements of 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
65. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-9-6

EXPIRATION DATE: 08/30/2019

EQUIPMENT DESCRIPTION:

MEAT AND BONE MEAL STORAGE AND LOADOUT SYSTEM EQUIPPED WITH ONE GRINDER, ONE ELEVATOR, THREE TRANSFER CONVEYORS, ONE FINISHED MATERIAL CONVEYANCE SCREW SYSTEM AND TWO MEAT AND BONE MEAL BINS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. All equipment or systems installed or used to achieve compliance with the terms and conditions of this permit shall be maintained in good working order and be operated as efficiently as possible to minimize air pollution emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The Air Pollution Control District shall be immediately notified of any breakdown or malfunction that reduces or disrupts the normal processing of odors required by this permit. [District Rule 4102]
4. The District shall have authority to investigate possible odors alleged to originate from the facility and to make a determination of whether or not a nuisance exists, either in response to a complaint or on its own initiative. [District Rules 1070 and 4102] Federally Enforceable Through Title V Permit
5. The APCO or any authorized representative shall have access to inspect any equipment, operation, records, method required in this permit, to sample emissions from the source or require samples to be taken, or perform any other actions to assure compliance with the requirements of this permit and all District rules and regulations. [District Rule 1070] Federally Enforceable Through Title V Permit
6. Total meat and bone meal stored and loaded out into delivery trucks shall not exceed either of the following limits: 800,000 pounds (400 tons) per day or 82,344,000 pounds (41,172 tons) per year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
7. Daily emissions from the meat and bone meal (MBM) storage and truck loadout operation shall not exceed 1.3 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Tallow and yellow grease storage tanks shall be kept in good operating condition. These tanks shall not contribute to a nuisance condition. [District Rule 4102]
9. Permittee shall keep daily and annual records of the amount of meat and bone meal stored and loaded out in to delivery trucks. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made readily available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-10-2

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

86 BHP (INTERMITTENT) JOHN DEERE MODEL 4045HF280, SN PE4045L263710, TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4801, 17 CCR 93115 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
6. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 3.1 g-NOx/bhp-hr, 0.6 g-CO/bhp-hr, or 0.2 g-VOC/bhp-hr. [District Rule 2201, 13 CCR 2423, 17 CCR 93115, and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.17 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201, 4102, 13 CCR 2423, 17 CCR 93115, and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
9. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

DRAFT

ATTACHMENT B

Expired Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: C-72-0-2

EXPIRATION DATE: 06/30/2019

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; 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; 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] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010 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, 2080, and 2520] 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] 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] 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.

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] 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 and 1100] 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] 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] 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] 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] 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] 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] 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] 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] 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] 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] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520] 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] 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] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/04); 8031 (8/19/04); 8041 (8/19/04); 8051 (8/19/04); 8061 (8/19/04); and 8071 (9/16/04). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
41. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin December 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
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-72-1-5

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

ANIMAL RENDERING OPERATION INCLUDING A RAW MATERIAL RECEIVING OPERATION EQUIPPED WITH ONE (1) 195' X 175' OUTDOOR RAW MATERIAL UNLOADING CONCRETE SLAB, ONE (1) PRE-BREAKER, ONE RAW MATERIAL CONVEYANCE SCREW SYSTEM, ONE (1) 3,500 LB CAPACITY FEED HOPPER SERVING COOKERS #2 AND #3, AND A PERMIT EXEMPT WASTE WATER LAGOON SYSTEM (DAILY EMISSIONS LESS THAN 2 LBS VOC/DAY)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All equipment or systems installed or used to achieve compliance with the terms and conditions of this permit shall be maintained in good working order and be operated as efficiently as possible to minimize air pollution emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The Air Pollution Control District shall be immediately notified of any breakdown or malfunction that reduces or disrupts the normal processing of odors required by this permit. [District Rule 4102]
6. The District shall have authority to investigate possible odors alleged to originate from the facility and to make a determination of whether or not a nuisance exists, either in response to a complaint or on its own initiative. [District Rules 1070 and 4102] Federally Enforceable Through Title V Permit
7. The APCO or any authorized representative shall have access to inspect any equipment, operation, records, method required in this permit, to sample emissions from the source or require samples to be taken, or perform any other actions to assure compliance with the requirements of this permit and all District rules and regulations. [District Rule 1070] Federally Enforceable Through Title V Permit
8. The premises of the plant shall be kept clean and free from spillage of raw or finished materials, refuse, and standing pools of water which may present a nuisance condition. All raw material spills shall be cleaned up immediately. [District Rule 4102]
9. Delivery trucks shall be unloaded within 2 hours of entering the property. [District Rule 4102]
10. No storage of raw materials outside of the 195' x 175' unloading pit slab area is permitted. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
11. Trucks waiting their turn to unload within the 2 hour unload time limitation are not considered storage outside of the 195' x 175' pit slab area. [District Rule 4102]
12. All trucks and truck tires delivering raw material shall be washed clean of raw material and raw material residue prior to exiting the facility premises in order to minimize trackout of raw material or raw material residue. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All raw material trucks shall be maintained in condition to prevent leakage of any solid or liquid material. [District Rule 4102]
14. The rendering plant shall not be operated unless the odor control system is operating and in full use. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total facility raw material process rate shall not exceed 1,392,000 pounds (696 tons) per day or 331,128,000 pounds (165,564 tons) per year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. Except during periods of equipment breakdown as determined by the District under Rule 1100, all material received shall be processed within 24 hours of receipt. Raw material shall be monitored to ensure that processing is performed within this time limit using feedstock records and plant output records. [District Rules 1100 and 4102]
17. If raw material cannot be processed within 24 hours of receipt, raw material shall be diverted to other facilities. No further deliveries shall be received until a 24 hour turnaround for raw material is achievable. [District Rule 4102]
18. The owner and/or operator shall comply with all the provisions of District Rule 4102, Nuisance. [District Rule 4102]
19. Permittee shall keep daily and annual records of the amount of raw material received. [District Rule 2201] Federally Enforceable Through Title V Permit
20. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made readily available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-3-16

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

ANIMAL RENDERING OPERATION INCLUDING MEAT AND BONE MEAL COOKING OPERATION WITH: ONE PRE-BREAKER, ONE RAW MATERIAL CONVEYANCE SCREW SYSTEM ONE HOGGER, THREE DUPPS MODEL 1200 COOKERS VENTED TO THREE AIR-TO-AIR VAPOR CONDENSERS AND TO A 60" 1D-1D MOISTURE KNOCK-OUT CYCLONE, THREE PRESSORS, ONE CLARIFIER, ONE CENTRIFUGE, 2 TALLOW WORK TANKS, PERMIT-EXEMPT FAT, YELLOW GREASE, AND TALLOW STORAGE TANKS, HOT CRAX HOLDING BIN AND TRANSFER SCREW VENTED TO A 16" 2D-2D MOISTURE KNOCK-OUT CYCLONE, VARIOUS ASSOCIATED TRANSFER SCREWS AND ELEVATORS VENTED TO A 60-INCH 1D-1D MOISTURE KNOCK-OUT CYCLONE, AND ALL CYCLONES VENTING TO ONE 1.46 MMBTU/HR NATURAL GAS-FIRED DUAL CHAMBER REGENERATIVE THERMAL OXIDIZER (RTO) AND A BACKUP 10 MMBTU/HR SPENCER NATURAL GAS-FIRED THERMAL OXIDIZER/AFTERBURNER AND WASTE HEAT RECOVERY BOILER

PERMIT UNIT REQUIREMENTS

1. The premises of the plant shall be kept clean and free from spillage of raw or finished materials, refuse, and standing pools of water which may present a nuisance condition. All raw material spills shall be cleaned up immediately. [District Rule 4102]
2. The District shall have authority to investigate possible odors alleged to originate from the facility and to make a determination of whether or not a nuisance exists, either in response to a complaint or on its own initiative. [District Rules 1070 and 4102] Federally Enforceable Through Title V Permit
3. The APCO or any authorized representative shall have access to inspect any equipment, operation, records, method required in this permit, to sample emissions from the source or require samples to be taken, or perform any other actions to assure compliance with the requirements of this permit and all District rules and regulations. [District Rule 1070] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. All equipment shall be maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All equipment or systems installed or used to achieve compliance with the terms and conditions of this permit shall be maintained in good working order and be operated as efficiently as possible to minimize air pollution emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The Air Pollution Control District shall be immediately notified of any breakdown or malfunction that reduces or disrupts the normal processing of odors required by this permit. [District Rule 4102]
9. The rendering plant shall not be operated unless the RTO (or thermal oxidizer during RTO downtime) is operating and in full use. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All non-condensables from the condensers and vapors from the presses, tallow work tanks, bird machine, screen screw, press screw, hogger, transfer screw, bins and elevators shall be incinerated in the RTO or thermal oxidizer at all times during operation. [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.

11. The RTO (or thermal oxidizer during RTO downtime) shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4102, and 4801] Federally Enforceable Through Title V Permit
12. All non-condensable emissions and vapors shall be incinerated in the RTO (or thermal oxidizer during RTO downtime) at a minimum temperature of 1,200 °F and a minimum retention time of 0.57 seconds. [District Rules 4102, and 4104] Federally Enforceable Through Title V Permit
13. Emissions from the RTO serving the rendering operation shall not exceed any of the following limits: 0.2034 lb-NOx/ton; 0.0862 lb-SOx/ton; 0.0552 lb-PM10/ton; 0.2414 lb-CO/ton; or 0.0052 lb-VOC/ton. All emissions measurements shall be averaged over a period of 15 minutes. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Emissions from the thermal oxidizer (during RTO downtime) serving the rendering operation shall not exceed any of the following limits: 0.59 lb-NOx/MMBtu, 0.015 lb-VOC/MMBtu, 0.25 lb-SOx/MMBtu, 0.7 lb-CO/MMBtu, or 0.16 lb-PM10/MMBtu. All emissions measurements shall be averaged over a period of 15 minutes. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total facility raw material process rate shall not exceed 1,392,000 pounds (696 tons) per day or 331,128,000 pounds (165,564 tons) per year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
16. Total emissions from the RTO (or thermal oxidizer during RTO downtime) serving the rendering operation shall not exceed either of the following limits: 141.6 lb-NOx/day or 51,684 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Total emissions from the RTO (or thermal oxidizer during RTO downtime) serving the rendering operation shall not exceed any of the following limits: 60.0 lb-SOx/day; 38.4 lb-PM10/day; 168.0 lb-CO/day; and 3.6 lb-VOC/day [District Rule 2201] Federally Enforceable Through Title V Permit
18. The permittee shall calculate the daily and annual NOx emission rate as: Total NOx Emission Rate (in pounds) = NOx Emission Rate (lb-NOx/ton) x Rendering process weight (ton/day and ton/year). [District Rule 2201] Federally Enforceable Through Title V Permit
19. The permittee shall calculate the daily SOx emission rate as: Total SOx Emission Rate (in pounds) = SOx Emission Rate (lb-SOx/ton) x Rendering process weight (ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
20. The permittee shall calculate the daily PM10 emission rate as: Total PM10 Emission Rate (in pounds) = PM10 Emission Rate (lb-PM10/ton) x Rendering process weight (ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
21. The permittee shall calculate the daily CO emission rate as follows: Total CO Emission Rate (in pounds) = CO Emission Rate (lb-CO/ton) x Rendering process weight (ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
22. The permittee shall calculate the daily VOC emission rate as: Total VOC Emission Rate (in pounds) = VOC Emission Rate (lb-VOC/ton) x Rendering process weight ton/day). [District Rule 2201] Federally Enforceable Through Title V Permit
23. Separate thermocouples installed at the rear of each of the RTO and thermal oxidizer shall provide accurate temperature readings of flue gas. An audible alarm shall be installed to alert facility personnel to low temperature readings. [District Rules 2201, 4102, and 4104] Federally Enforceable Through Title V Permit
24. The RTO (or thermal oxidizer during RTO downtime) chamber temperature (in °F) shall be monitored by a continuously recording temperature device. These temperature recordings shall be made available for District inspection upon request. [District Rules 2201, 4102, and 4104] Federally Enforceable Through Title V Permit
25. Non-resettable, totalizing volumetric fuel flow meter shall be utilized to measure the cubic feet of natural gas combusted in the RTO and thermal oxidizer. [District Rule 2201] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of the daily and annual volume (scf) of natural gas combusted in the RTO and thermal oxidizer. [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.

27. The permittee shall maintain records of the total daily emissions of each pollutant, NO_x, SO_x, PM₁₀, CO, and VOC (in pounds). [District Rule 2201] Federally Enforceable Through Title V Permit
28. The permittee shall maintain records of the total annual NO_x emissions, in pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Records of all maintenance of the RTO and thermal oxidizer shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
30. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made readily available for District inspection upon request. [District Rules 1070, 2201, and 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-6-4

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON ABOVEGROUND STORAGE TANK SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B), STANDING LOSS CONTROL (VR-301-F), AND ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE (DUE TO LOW THROUGHPUT)

PERMIT UNIT REQUIREMENTS

1. The Phase I vapor recovery system shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Order specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rule 4621] Federally Enforceable Through Title V Permit
2. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4621] Federally Enforceable Through Title V Permit
3. The storage container shall be installed, maintained, and operated such that it is leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
4. Only white paint, listed in the Executive Order specified in this permit for the Standing Loss Control System, shall be applied to the tank. The surface of the tank shall be prepared and the white paint shall be applied per manufacturer's specification. [District Rule 4621] Federally Enforceable Through Title V Permit
5. The permittee shall maintain the following records: 1) receipt of sale that demonstrates the purchase date and amount of white paint purchased, 2) record of the name of personnel applying white paint to include the date of application, surface preparation description (i.e. scraping, sanding, abrasive blasting, primer etc.), method of application (i.e. brush, roller, air/airless sprayer), average ambient temperature (degrees F) during application, and atmospheric observations during application (i.e. sunny, cloudy, rain, etc.), 3) record of the name of personnel that installed the P/V vent valve, and 4) Technical Data Sheet and/or Material Safety Data Sheet of the white paint that describes the surface preparation, application, and material safety of the white paint. [District Rule 4621] Federally Enforceable Through Title V Permit
6. The Phase I vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rule 4621] Federally Enforceable Through Title V Permit
7. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rule 4621] Federally Enforceable Through Title V Permit
8. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rule 4621] Federally Enforceable Through Title V Permit
10. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
11. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rule 4621] Federally Enforceable Through Title V Permit
12. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B or TP-206.3 at least once every 36 months. [District Rule 4621] Federally Enforceable Through Title V Permit
13. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
14. A person performing installation of, or maintenance on, a certified Phase I vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rule 4621] Federally Enforceable Through Title V Permit
15. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rule 4621] Federally Enforceable Through Title V Permit
16. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rule 4621] Federally Enforceable Through Title V Permit
17. The total gasoline throughput for this operation shall not exceed 1,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Total gasoline throughput for this operation shall not exceed the following: 10,000 gallons in any consecutive 30-day period and 18,000 gallons per rolling 12-month period. If the gasoline throughput exceeds the stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and shall install and test a certified Phase II vapor recovery system within six (6) months from the date the ATC is issued. [District Rules 2201, 4621, and 4622] Federally Enforceable Through Title V Permit
19. The permittee shall maintain daily and annual gasoline throughput records. The records shall calculate the gasoline throughput on a rolling 30-day period and a rolling 12-month period and shall be maintained on the premises as long as Phase II EVR exempt status is claimed. [District Rules 2201, 4621, and 4622] Federally Enforceable Through Title V Permit
20. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rule 4621] 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-72-7-10

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

39.5 MMBTU/HR ERIE CITY IRON WORKS MODEL 95355 NATURAL GAS OR YELLOW GREASE-FIRED BOILER WITH A TODD MODEL RMB ULTRA LOW NOX BURNER AND FORCED DRAFT FLUE GAS RECIRCULATION SYSTEM

PERMIT UNIT REQUIREMENTS

1. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. If the District determines that the combustion of yellow grease or denatured yellow grease is causing a nuisance then the facility must cease combustion of this product in the boiler. [District Rule 4102]
5. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201 and 4301] Federally Enforceable Through Title V Permit
6. This boiler shall only be fired on PUC-regulated natural gas, yellow grease, or denatured yellow grease. [District Rules 2201 and 4301] Federally Enforceable Through Title V Permit
7. Denatured yellow grease is yellow grease blended with fuel oil No. 2, not to exceed 1.0% fuel oil No. 2 by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records of the gallons of fuel oil and yellow grease blended to make the denatured yellow grease fuel. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Operator shall record all dates on which the unit is fired on any fuel other than PUC-regulated natural gas. [District Rule 2520] Federally Enforceable Through Title V Permit
10. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520] Federally Enforceable Through Title V Permit
11. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by: ASTM D 240 or D 2382 for liquid hydrocarbon fuels; ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rules 2520, 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
12. Operator shall monitor and record for each unit the hhv and cumulative annual use of each fuel. [District Rules 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
13. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be utilized and maintained. Volumetric flow measurements shall be periodically compensated for temperature and pressure. [District Rules 2201, 4305, and 4306] 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of yellow grease (and denatured yellow grease) combusted in the unit shall be utilized and maintained. Volumetric flow measurements shall be periodically compensated for temperature and pressure. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. The combined amount of yellow grease and denatured yellow grease combusted in the unit shall not exceed any of the following limits: 4,736 gallons per day or 1,730,139 gallons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
16. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmvd NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 200 ppmvd CO @ 3% O2 or 0.146 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
17. When fired on yellow grease or denatured yellow grease, emissions rates from the unit shall not exceed any of the following limits: 40 ppmvd NOx @ 3% O2 or 0.052 lb-NOx/MMBtu, 0.002 lb-SOx/MMBtu, 0.016 lb-PM10/MMBtu, 200 ppmvd CO @ 3% O2 or 0.166 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
18. The amount of NOx emissions from this unit as a result of firing any combination of permitted fuels shall not exceed any of the following limits: 34.1 lb-NOx per day or 12,457 lb-NOx per year. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Annual and daily NOx emissions shall be calculated as: $[(1.1E-05 \text{ lb-NOx/scf}) \times (\text{amount of natural gas usage in scf}) + (7.2E-03 \text{ lb-NOx/gal}) \times (\text{amount of yellow grease usage in gallons})]$. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. If either the NOx or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
22. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
23. The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
24. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081] 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. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
26. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
27. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
28. Source testing shall be conducted using the methods and procedures approved by the District. 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] Federally Enforceable Through Title V Permit
29. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
30. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
31. Source testing to measure natural gas combustion NO_x and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
32. Source testing to measure yellow grease combustion NO_x and CO emissions from this unit shall be performed within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,877 gallons during any rolling 12-month period unless compliance with yellow grease NO_x and CO emissions has been demonstrated within 12 months prior to the date of the exceedance. After demonstrating compliance on two (2) consecutive source tests when the unit is fired on yellow grease, the unit shall be tested within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,877 gallons during any rolling 12-month period unless compliance with yellow grease NO_x and CO emissions has been demonstrated within 36 months prior to the date of the exceedance. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to the rolling 12-month period according to the requirements described above. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
33. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
34. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rules 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
35. When calculating NO_x emission limit for natural gas based on heat input (lb/MMBtu), fuel hhv shall be certified by third party supplier or ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
36. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
37. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
38. Source testing to measure concentrations of volatile organic compounds (VOC) shall be conducted using EPA methods 18 or 25, or CARB method 100. [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.

39. Source testing to measure concentrations of oxides of sulfur (SOx) as SO2 shall be conducted using EPA Methods 6 or 8, or CARB Method 100. [District Rule 2201] Federally Enforceable Through Title V Permit
40. Source testing to measure concentrations of PM10 shall be conducted using EPA Method 201 and 202, or EPA Method 201a and 202. [District Rule 2201] Federally Enforceable Through Title V Permit
41. In lieu of performing a source test for PM10, the results of the total particulate test may be used for compliance with the PM10 emissions limit. If this option is used, then all of the particulate emissions will be considered to be PM10. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Source testing to measure concentrations of total particulate emissions shall be conducted using CARB Method 5. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The permittee shall maintain records of daily, monthly, and annual yellow grease and denatured yellow grease usage and the dates the unit operated on yellow grease or denatured yellow grease. [District NSR Rule and District Rule 1070] Federally Enforceable Through Title V Permit
44. The permittee shall maintain records of daily, monthly, and annual natural gas usage. [District Rule 2201] Federally Enforceable Through Title V Permit
45. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4320] Federally Enforceable Through Title V Permit
46. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 4305, and 4306] Federally Enforceable Through Title V Permit
47. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
48. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201 and 4301. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
49. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
50. The requirements of 40 CFR 72.6(b) are not applicable because this is not an affected unit under the acid rain provisions. The requirements of 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-8-6

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

37.8 MMBTU/HR HURST MODEL SERIES 500 NATURAL GAS/YELLOW GREASE-FIRED BOILER EQUIPPED WITH JOHN ZINC/GORDON PIATT ULTRA LOW-NOX BURNER MODEL RMB-GO-90-E2-30-F9H WITH FORCED FGR

PERMIT UNIT REQUIREMENTS

1. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. If the District determines that the combustion of yellow grease or denatured yellow grease is causing a nuisance then the facility must cease combustion of this product in the boiler. [District Rule 4102]
5. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201 and 4301] Federally Enforceable Through Title V Permit
6. The boiler shall only be fired by PUC-regulated natural gas, yellow grease, or denatured yellow grease as primary fuels, with fuel oil #2 (diesel) as backup. [District Rules 2201 and 4301 and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
7. Denatured yellow grease is yellow grease blended with fuel oil No. 2, not to exceed 1.0% fuel oil No.2 by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records of the gallons of fuel oil and yellow grease blended to make the denatured yellow grease fuel. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Except for diesel fuel used to make denatured yellow grease, this unit shall only be fired on fuel oil #2 (diesel) during natural gas curtailment for no more than 168 cumulative hours in a calendar year plus 48 hours per calendar year for equipment testing. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
10. The sulfur content of the diesel fuel used shall not exceed 0.05% by weight. [District Rule 2201 and 40 CFR 60.42c(d) and 40 CFR 60.43c(e)(4)] Federally Enforceable Through Title V Permit
11. Natural gas consumption shall not exceed 771,264 scf per day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined amount of yellow grease and denatured yellow grease combusted in this boiler shall not exceed 3,914 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The amount of Fuel Oil #2 (Diesel) used as fuel in the boiler shall not exceed either of the following limits: 1,448 gallons per day or 13,031 gallons per year. [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. A non-resettable, totalizing volumetric fuel flow meter shall be utilized to measure the cubic feet of natural gas combusted in the boiler. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. A separate non-resettable, totalizing liquid fuel flow meter to measure, in gallons, the yellow grease (and denatured yellow grease) combusted in the boiler shall be utilized. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
16. A separate non-resettable, totalizing liquid fuel flow meter shall be utilized to measure the gallons of Fuel Oil #2 (Diesel) combusted in the boiler. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
17. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by: ASTM D 240 or D 2382 for liquid hydrocarbon fuels; ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rules 2520, 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
18. Emissions shall not exceed any of the following limits when fired on natural gas: 9 ppmv NOx @ 3% O2 (0.011 lb NOx/MMBtu), 0.00285 lb SOx/MMBtu, 0.0076 lb PM10/MMBtu, 175 ppmv CO @ 3% O2 (0.1295 lb CO/MMBtu), or 0.0042 lb VOC/MMBtu. All emissions measurements shall be averaged over a period of 15 minutes. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
19. Emissions shall not exceed any of the following limits when fired on yellow grease or denatured yellow grease: 40 ppmv NOx @ 3% O2 (0.0546 lb NOx/MMBtu), 0.002 lb SOx/MMBtu, 0.016 lb PM10/MMBtu, 200 ppmv CO @ 3% O2 (0.166 lb CO/MMBtu) or 0.0056 lb VOC/MMBtu. All emissions measurements shall be averaged over a period of 15 minutes. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
20. Emissions shall not exceed any of the following limits when fired on Fuel Oil #2: 19.2 lb NOx/1,000 gal (0.140 lb-NOx/MMBtu), 7.1 lb SOx/1,000 gal, 2.0 lb PM10/1,000 gal, 5.5 lb CO/1,000 gal, or 0.137 lb VOC/1,000 gal. All emissions measurements shall be averaged over a period of 15 minutes. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
21. Ongoing compliance with the daily or annual NOx emissions limit is calculated as follows: Total pounds of NOx emissions = $1.1E-05 \times \text{cubic feet (Natural Gas)} + 0.0072 \times \text{gallon (Yellow Grease and Denatured Yellow Grease)} + 0.0192 \times \text{gallon (Fuel Oil \#2)}$. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
22. NOx emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed either of the following: 27.8 lb NOx/day or 3,642 lb NOx/year. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
23. VOC emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed 3.2 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
24. SOx emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed 10.3 lb SOx/day. [District Rule 2201] Federally Enforceable Through Title V Permit
25. CO emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed 99.9 lb CO/day. [District Rule 2201] Federally Enforceable Through Title V Permit
26. PM10 emissions as a result of firing this boiler using any combination of Natural Gas, Yellow Grease, Denatured Yellow Grease, and Fuel Oil #2 shall not exceed 8.2 lb PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
27. If the unit is fired on diesel fuel that is not supplier-certified 0.05% sulfur content or less, then the sulfur content of the fuel being fired in the unit shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520 and 40 CFR 60.42c(d), 40 CFR 60.44c(g), and 40 CFR 60.46c(d)] Federally Enforceable Through Title V Permit
28. If the unit is fired on diesel fuel that is not supplier-certified 0.05% sulfur content or less, the sulfur content of each fuel source shall be tested weekly, except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be semi-annually. [District Rule 2520 and 40 CFR 60.42c(d), 40 CFR 60.44c(g), and 40 CFR 60.46c(d)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

29. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520 and 40 CFR 60.42c(d)(h), 40 CFR 60.44c(h), 40 CFR 60.46c(e), and 40 CFR 60.48c(f)] Federally Enforceable Through Title V Permit
30. Operator shall record all dates on which the unit is fired on any fuel other than PUC-regulated natural gas. [District Rule 2520] Federally Enforceable Through Title V Permit
31. Operator shall monitor and record for each unit the hhv and cumulative annual use of each fuel. [District Rules 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
32. Source testing shall be conducted using the methods and procedures approved by the District. 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] Federally Enforceable Through Title V Permit
33. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081 and Fresno County Rule 108.1] Federally Enforceable Through Title V Permit
34. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
35. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
36. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
37. Source testing to measure NOx and CO combustion emissions from this boiler while firing on denatured yellow grease shall be conducted within 60 days of initial firing on denatured yellow grease. [District Rules 2201, 4102, 4305 and 4306] Federally Enforceable Through Title V Permit
38. Source testing to measure natural gas combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
39. Source testing to measure yellow grease combustion NOx and CO emissions from this unit shall be performed within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,958 gallons during any rolling 12-month period unless compliance with yellow grease NOx and CO emissions has been demonstrated within 12 months prior to the date of the exceedance. After demonstrating compliance on two (2) consecutive source tests when the unit is fired on yellow grease, the unit shall be tested within 60 days of the combined amount of yellow grease and denatured yellow grease usage exceeding 29,958 gallons during any rolling 12-month period unless compliance with yellow grease NOx and CO emissions has been demonstrated within 36 months prior to the date of the exceedance. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to the rolling 12-month period according to the requirements described above. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
40. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
41. Source testing to measure concentrations of oxides of nitrogen (as NO₂, ppmv) shall be conducted using EPA Method 7E or CARB Method 100; EPA Method 19 for NOx emission rate (lb/MMBtu). [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
42. Nitrogen oxide (NOx) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rules 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
43. Source testing to measure concentrations of carbon monoxide (CO) shall be conducted using EPA Method 10 or CARB Method 100. [District Rules 4305 and 4306] 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.

44. Source testing to measure the stack gas oxygen shall be conducted using EPA Methods 3 or 3A, or CARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
45. Source testing to measure concentrations of oxides of sulfur (SOx) as SO2 shall be conducted using EPA Methods 6 or 8, or CARB Method 100. [District Rule 2201] Federally Enforceable Through Title V Permit
46. Source testing to measure concentrations of PM10 shall be conducted using EPA Method 201 and 202, or EPA Method 201a and 202, or CARB Method 501 and 5. [District Rule 2201] Federally Enforceable Through Title V Permit
47. In lieu of performing a source test for PM10, the results of the total particulate test may be used for compliance with the PM10 emissions limit. If this option is used, then all of the particulate emissions will be considered to be PM10. [District Rule 2201] Federally Enforceable Through Title V Permit
48. Source testing to measure concentrations of total particulate emissions shall be conducted using CARB Method 5. [District Rule 2201] Federally Enforceable Through Title V Permit
49. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
50. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
51. If either the NOx or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
52. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
53. The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
54. If the unit is fired on back-up fuel (i.e. diesel) for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NOx at least once during that year using an APCO approved portable NOx analyzer. Monitoring for back-up fuel NOx emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rule 4306] 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.

55. Back-up fuel NO_x emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4306] Federally Enforceable Through Title V Permit
56. The permittee shall maintain records of: (1) the date and time of back-up fuel NO_x measurements, (2) the measured back-up fuel NO_x concentration (in ppmv or lb/MMBtu) corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4306] Federally Enforceable Through Title V Permit
57. The permittee shall maintain records of daily consumption of natural gas. [District Rules 2201 and 1070] Federally Enforceable Through Title V Permit
58. The permittee shall maintain records of dates the boiler operated on yellow grease or denatured yellow grease and the daily and annual amount of yellow grease and denatured yellow grease that was combusted in the boiler (in gallons). [District Rules 2201 and 1070] Federally Enforceable Through Title V Permit
59. The permittee shall maintain records of daily and annual amount of fuel oil that was combusted in the boiler (in gallons). [District Rules 2201 and 1070] Federally Enforceable Through Title V Permit
60. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil No. 2 during natural gas curtailment and testing. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
61. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4320] Federally Enforceable Through Title V Permit
62. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit
63. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 1081, 4201, 4301, and 4801. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
64. The requirements of 40 CFR 72.6(b) are not applicable because this is not an affected unit under the acid rain provisions. The requirements of 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
65. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-9-5

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

MEAT AND BONE MEAL STORAGE AND LOADOUT SYSTEM EQUIPPED WITH ONE GRINDER, ONE ELEVATOR, THREE TRANSFER CONVEYORS, ONE FINISHED MATERIAL CONVEYANCE SCREW SYSTEM AND TWO MEAT AND BONE MEAL BINS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. All equipment or systems installed or used to achieve compliance with the terms and conditions of this permit shall be maintained in good working order and be operated as efficiently as possible to minimize air pollution emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The Air Pollution Control District shall be immediately notified of any breakdown or malfunction that reduces or disrupts the normal processing of odors required by this permit. [District Rule 4102]
4. The District shall have authority to investigate possible odors alleged to originate from the facility and to make a determination of whether or not a nuisance exists, either in response to a complaint or on its own initiative. [District Rules 1070 and 4102] Federally Enforceable Through Title V Permit
5. The APCO or any authorized representative shall have access to inspect any equipment, operation, records, method required in this permit, to sample emissions from the source or require samples to be taken, or perform any other actions to assure compliance with the requirements of this permit and all District rules and regulations. [District Rule 1070] Federally Enforceable Through Title V Permit
6. Total meat and bone meal stored and loaded out into delivery trucks shall not exceed either of the following limits: 800,000 pounds (400 tons) per day or 82,344,000 pounds (41,172 tons) per year. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
7. Daily emissions from the meat and bone meal (MBM) storage and truck loadout operation shall not exceed 1.3 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Tallow and yellow grease storage tanks shall be kept in good operating condition. These tanks shall not contribute to a nuisance condition. [District Rule 4102]
9. Permittee shall keep daily and annual records of the amount of meat and bone meal stored and loaded out in to delivery trucks. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made readily available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-72-10-1

EXPIRATION DATE: 06/30/2019

EQUIPMENT DESCRIPTION:

86 BHP (INTERMITTENT) JOHN DEERE MODEL 4045HF280, SN PE4045L263710, TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 3.1 g-NOx/bhp-hr, 0.6 g-CO/bhp-hr, or 0.2 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.17 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] 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=72

Sorted by Facility Name and Permit Number

BAKER COMMODITIES, INC 16801 W JENSEN AVE KERMAN, CA 93630	FAC # C 72	TYPE: TOXIC ID: 41255	TitleV AREA: 37308	EXP. DATE: 06/30/2019
STATUS: A	TELEPHONE: 2098469393			

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-72-1-5	1240 hp	3020-01 G	1	980.00	980.00	A	ANIMAL RENDERING OPERATION INCLUDING A RAW MATERIAL RECEIVING OPERATION EQUIPPED WITH ONE (1) 195' X 175' OUTDOOR RAW MATERIAL UNLOADING CONCRETE SLAB, ONE (1) PRE-BREAKER, ONE RAW MATERIAL CONVEYANCE SCREW SYSTEM, ONE (1) 3,500 LB CAPACITY FEED HOPPER SERVING COOKERS #2 AND #3, AND A PERMIT EXEMPT WASTE WATER LAGOON SYSTEM (DAILY EMISSIONS LESS THAN 2 LBS VOC/DAY)
C-72-2-6	39 MMBtu/hr	3020-02 H	1	1,238.00	1,238.00	D	39 MMBTU/HR BABCOCK & WILCOX STEAM BOILER #1 MODEL #1944, WITH GORDON-PIATT LOW-NOX GAS BURNERS AND FLUE GAS RECIRCULATION (FGR), FIRED BY NATURAL GAS AND YELLOW GREASE AS ALTERNATE PRIMARY FUELS
C-72-3-16	10 MMBtu/hr	3020-02 G	1	980.00	980.00	A	ANIMAL RENDERING OPERATION INCLUDING MEAT AND BONE MEAL COOKING OPERATION WITH: ONE PRE-BREAKER, ONE RAW MATERIAL CONVEYANCE SCREW SYSTEM ONE HOGGER, THREE DUPPS MODEL 1200 COOKERS VENTED TO THREE AIR-TO-AIR VAPOR CONDENSERS AND TO A 60" 1D-1D MOISTURE KNOCK-OUT CYCLONE, THREE PRESSORS, ONE CLARIFIER, ONE CENTRIFUGE, 2 TALLOW WORK TANKS, PERMIT-EXEMPT FAT, YELLOW GREASE, AND TALLOW STORAGE TANKS, HOT CRAX HOLDING BIN AND TRANSFER SCREW VENTED TO A 16" 2D-2D MOISTURE KNOCK-OUT CYCLONE, VARIOUS ASSOCIATED TRANSFER SCREWS AND ELEVATORS VENTED TO A 60-INCH 1D-1D MOISTURE KNOCK-OUT CYCLONE, AND ALL CYCLONES VENTING TO ONE 1.46 MMBTU/HR NATURAL GAS-FIRED DUAL CHAMBER REGENERATIVE THERMAL OXIDIZER (RTO) AND A BACKUP 10 MMBTU/HR SPENCER NATURAL GAS-FIRED THERMAL OXIDIZER/AFTERBURNER AND WASTE HEAT RECOVERY BOILER
C-72-6-4	1 Nozzle	3020-11 A	1	42.00	42.00	A	GASOLINE DISPENSING OPERATION WITH ONE 1,000 GALLON ABOVEGROUND STORAGE TANK SERVED BY A TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-142-B), STANDING LOSS CONTROL (VR-301-F), AND ONE PHASE II EXEMPT GASOLINE DISPENSING NOZZLE (DUE TO LOW THROUGHPUT)
C-72-7-10	39.5 MMBtu/hr	3020-02 H	1	1,238.00	1,238.00	A	39.5 MMBTU/HR ERIE CITY IRON WORKS MODEL 95355 NATURAL GAS OR YELLOW GREASE-FIRED BOILER WITH A TODD MODEL RMB ULTRA LOW NOX BURNER AND FORCED DRAFT FLUE GAS RECIRCULATION SYSTEM
C-72-8-6	37.8 MMBtu/hr	3020-02 H	1	1,238.00	1,238.00	A	37.8 MMBTU/HR HURST MODEL SERIES 500 NATURAL GAS/YELLOW GREASE-FIRED BOILER EQUIPPED WITH JOHN ZINC/GORDON PIATT ULTRA LOW-NOX BURNER MODEL RMB-GO-90-E2-30-F9H WITH FORCED FGR
C-72-9-5	200 electrical hp	3020-01 E	1	495.00	495.00	A	MEAT AND BONE MEAL STORAGE AND LOADOUT SYSTEM EQUIPPED WITH ONE GRINDER, ONE ELEVATOR, THREE TRANSFER CONVEYORS, ONE FINISHED MATERIAL CONVEYANCE SCREW SYSTEM AND TWO MEAT AND BONE MEAL BINS

Detailed Facility Report

For Facility=72

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-72-10-1	86 bhp IC engine	3020-10 A	1	98.00	98.00	A	86 BHP (INTERMITTENT) JOHN DEERE MODEL 4045HF280, SN PE4045L263710, TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

Number of Facilities Reported: 1