



AUG 09 2017

Mr. Burt Fleischer
Hilmar Cheese Company
PO Box 910
Hilmar, CA 95324

**Re: Notice of Preliminary Decision – Title V Permit Renewal
District Facility # N-1275
Project # N-1171204**

Dear Mr. Fleischer:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Hilmar Cheese Company at 9001 North Lander Avenue in Hilmar, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the 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. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,

Arnaud Marjollet
Director of Permit Services

Enclosures

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

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**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
Hilmar Cheese Company
N-1275**

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TITLE V PERMIT RENEWAL EVALUATION

Cheese Production Facility

Engineer(s): Jag Kahlon
Date: August 8, 2017

Facility Number: N-1275
Facility Name: Hilmar Cheese Company
Mailing Address: PO Box 910
Hilmar, CA 95324

Contact Name: Burt Fleischer (Environmental Director)
Phone: (209) 656 – 2271
Email: bfleischer@hilmarcheese.com

Responsible Official: Ronald Weltmer
Title: Vice President, Operating and Engineering

Project # : N-1171204
Deemed Complete: April 19, 2017

I. PROPOSAL

Hilmar Cheese Company submitted a permit application to renew their Title V permit. During this renewal process, the existing permits will be reviewed and revised to include up to date requirements of all applicable District, State and Federal rules that were adopted or amended since the issuance of the previous Title V permit on January 31, 2013.

The purpose of this document 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. This document also identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

II. FACILITY LOCATION

This facility is located at 9001 North Lander Avenue in Hilmar, California.

III. EQUIPMENT LISTING

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

IV. GENERAL PERMIT TEMPLATE USAGE

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

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

The applicant has requested to utilize template SJV-UM-03, Facility-wide Umbrella. Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

V. SCOPE OF EPA AND PUBLIC REVIEW

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

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

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

Permit Unit	Conditions	Template
N-1275-0-2	1 through 40	SJV-UM-0-3

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated

The following rules are updated since the previous Title V permit issued on January 31, 2013.

- District Rule 2020, Exemptions (amended December 20, 2007 ⇒ amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended December 18, 2008 ⇒ amended February 18, 2016)
- District Rule 4702, Internal Combustion Engines (amended August 11, 2011 ⇒ amended November 14, 2013)
- 40 CFR Part 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended June 28, 2011 ⇒ amended July 7, 2016)
- 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended January 30, 2013 ⇒ amended February 27, 2014)
- 40 CFR Part 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutions for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (amended November 20, 2015)
- 40 CFR Part 63, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutions for Industrial, Commercial, and Institutional Boilers Area Sources (amended September 14, 2016)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended June 18, 2008 ⇒ amended June 25, 2013)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended June 18, 2008 ⇒ amended April 10, 2015)
- 40 CFR Part 64, Compliance Assurance Monitoring

B. Rules Removed

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

C. Rules Added

None

D. Rules Not Updated

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 17, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (Amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2410, Prevention of Significant Deterioration (Effective November 26, 2012)
- District Rule 4309, Dryers, Dehydrators and Ovens (amended December 15, 2005)
- District Rule 4311, Flares (amended June 18, 2009)
- District Rule 4305, Boilers, Steam Generators and Process Heaters – Phase 2 (amended October 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)

- District Rule 4351, Boilers, Steam Generators and Process Heaters – Phase 1 (amended August 21, 2003)
- District Rule 4601, Architectural Coatings (amended December 17, 2009)
- District Rule 8011, Fugitive Dust General Requirements (amended August 19, 2004)
- District Rule 8021, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Construction, Demolition, Excavation, and Extraction Activities (amended August 19, 2004)
- District Rule 8031, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Handling and Storage of Bulk Materials (amended August 19, 2004)
- District Rule 8041, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Open Area (amended August 19, 2004)
- District Rule 8061, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Unpaved Vehicle/Equipment Areas (amended September 16, 2004)
- 40 CFR Part 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (amended February 16, 2012)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating Permits.

The terms and conditions that are part of the facility's Title V permit are designated as "Federally Enforceable Through Title V Permit".

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

A. Rules Added/Updated/Deleted

There are no applicable rules that were added, updated, and deleted since the last Title V permit was issued.

B. Rules Not Updated

- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2040, Applications (adopted December 17, 1992)
- District Rule 4102, Nuisance (as amended December 17, 1992)
- District Rule 4801, Sulfur Compounds (amend November 18, 1992)
- Title 17 California Code of Regulations (CCR) Section 93115, Airborne Toxic Control Measure for Stationary Compression ignition Engines (Effective May 19, 2011)

VIII. PERMIT REQUIREMENTS

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

A. District Rule 2020 - Exemptions

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

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

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

C. District Rule 4702 – Internal Combustion Engines

District Rule 4702 has been amended since this facility's previous Title V permit was issued. However, the requirements for emergency standby internal combustion engine have not been changed. Requirements are detailed below:

Section 4.2 states that except for the requirements of Sections 5.9 and 6.2.3, the requirements of this rule shall not apply to an emergency standby engine or a low-use engine, provided that the engine is operated with an operating nonresettable elapsed time meter.

Section 3.15 defines emergency standby engine is an internal combustion engine which operates as a temporary replacement for primary mechanical or electrical power during an unscheduled outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the operator. An engine shall be considered to be an emergency standby engine if it is used only for the following purposes:

- Periodic maintenance, periodic readiness testing, or readiness testing during and after repair work;
- Unscheduled outages, or to supply power while maintenance is performed or repairs are made to the primary power supply;
- If it is limited to operate 100 hours or less per calendar year for non-emergency purposes.

An engine shall not be considered to be an emergency standby engine if it is used:

- To reduce the demand for electrical power when normal electrical power line service has not failed, or
- To produce power for the utility electrical distribution system, or
- In conjunction with a voluntary utility demand reduction program or interruptible power contract.

Permit units N-1275-36 and N-1275-37 are diesel-fired emergency standby internal combustion engines. Therefore, these permit units are subject to requirements of Sections 5.9 and 6.2.3 of this rule.

Section 5.9 states the operator of the compression-ignited engine shall comply with the requirements specified in Section 5.9.2 through Section 5.9.4 as follows:

- §5.9.2 – Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier.
- §5.9.3 – Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.
- §5.9.4 – Install and operate a nonresettable elapsed time meter.

The following table summarizes the conditions that enforce on-going compliance with these sections:

Permit Number	Permit Condition Number
N-1275-36-2	3, 9, thru 13
N-1275-37-2	3, 9, thru 13

Section 6.2.3 requires that an operator claiming an exemption under Section 4.2 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following:

- §6.2.3.1 – Total hours of operation.
- §6.2.3.2 – The type of fuel used.
- §6.2.3.3 – The purpose for operating the engine.
- §6.2.3.4 – For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and
- §6.2.3.5 – Other support documentation necessary to demonstrate claim to the exemption.

The following table summarizes the conditions that enforce on-going compliance with these sections:

Permit Number	Permit Condition Number
N-1275-36-2	14, 16, and 17
N-1275-37-2	14, 16, and 17

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

§60.4200(a)(2) and (3) states that this subpart is applicable to owners and operators of stationary compression ignited (CI) internal combustion engines (ICE) that commence construction after July 11, 2005, where the engines are:

- Manufactured after April 1, 2006, and are not fire pump engines, or
- Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.
- Modified or reconstructed after July 11, 2005.

Permit units N-1275-36 and -37 are 2013 model year engines, and were installed after July 11, 2005. Therefore, these units are subject to the requirements of this subpart.

§60.4205(b)(2) states owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emissions standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

§60.4202(a)(2) states that for engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 for all pollutants beginning in model year 2007.

§89.112(a) specified exhaust emission from nonroad engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards contained in Table 1 of this subpart.

N-1275-36

The following table summarizes the emissions limits specified in Table 1 of this regulation for Tier 3 engine's power rated in a range of greater than and equal to 450 kW to less than and equal to 560 kW (equivalent to 603 bhp to 750 hp), the emissions limits of this 2013 model year Tier 3 certified, 619 hp emergency standby engine, and the compliance status.

Pollutant	§89.112(a) Table 1 Emission Limit (g/bhp-hr)	619 hp Engine Emission Limit (g/bhp-hr)	Compliant?
PM	0.15	0.107	Yes
NO _x + VOC	3.0	2.88	Yes
CO	2.6	1.79	Yes

N-1275-37

The following table summarizes the emissions limits specified in Table 1 of this regulation for Tier 3 engine's power rated in a range of greater than and equal to 225 kW to less than and equal to 450 kW (equivalent to 168 bhp to 603 hp), the emissions limits of this 2013 model year Tier 3 certified, 389 hp emergency standby engine, and the compliance status.

Pollutant	§89.112(a) Table 1 Emission Limit (g/bhp-hr)	389 hp Engine Emission Limit (g/bhp-hr)	Compliant?
PM	0.15	0.10	Yes
NO _x + VOC	3.0	2.6	Yes
CO	2.6	0.4	Yes

The following table summarizes the conditions that enforce on-going compliance with these sections:

Permit Number	Permit Condition Number
N-1275-36-2	7 and 8
N-1275-37-1	7 and 8

§60.4207(b) requires that owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

§80.510(b)(2) requires that all nonroad diesel fuel is subject to the following per-gallon standards.

- Sulfur content – 15 ppm maximum for nonroad diesel fuel
- Cetane index or aromatic content – a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

The subject engines are limited to exclusively use of CARB Diesel Fuel, which has a sulfur content of 15 ppm or less and a maximum aromatic

content of 20 percent by volume. Therefore, use of CARB Diesel Fuel satisfies the requirement of this subpart.

The following table summarizes the conditions that enforce on-going compliance with these sections:

Permit Number	Permit Condition Number
N-1275-36-2	4
N-1275-37-1	4

§60.4211(a)(1) requires that the owner or operator must operate and maintain the stationary CI ICE and control device according to the manufacturer's emission-related written instructions.

The following table summarizes the conditions that enforce on-going compliance with these sections:

Permit Number	Permit Condition Number
N-1275-36-2	9
N-1275-37-1	9

§60.4211(f) states that emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance check and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations.

However, 17 CCR Section 93115, Airborne Toxic Control Measure for Stationary Compression Ignition Engines limits the non-emergency situation, maintenance and testing purpose, of engine for these sizes to 50 hours per year.

The following table summarizes the conditions that enforce on-going compliance with these sections:

Permit Number	Permit Condition Number
N-1275-36-2	11
N-1275-37-1	11

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

§63.6585 states that this subpart is applicable to any stationary RICE at a major or area source of HAP emissions, except if the stationary engine is being tested at a stationary engine test cell/stand. A major source of HAP emissions is a facility that has the potential to emit any single HAP at a rate of 10 tons/year or greater or any combinations of HAPs at a rate of 25 tons/year or greater. An area source of HAP emissions is a facility is not a major source of HAP emissions.

Per HAP emissions calculations under District project N-1133731, this facility is not a major source of HAP emissions. This facility is an area source for HAP emissions.

§63.6590(a)(2)(iii) states that a stationary RICE located at an area source of HAP emissions is new if the engine was constructed on or after June 12, 2006.

§63.6590(c)(1) states that a new or reconstructed stationary RICE located at an area source must meet the requirements of this part by meeting the requirements of 40 CFR Part 60 Subpart IIII.

Permit units N-1275-36 and -37 are diesel-fired emergency standby internal combustion engines that were installed after June 12, 2006. As discussed in Section VIII.D of this document, these engines are currently operating in compliance with the requirements of 40 CFR Part 60 Subpart IIII. Therefore, compliance with the requirements of this subpart is expected and no further discussion is required.

F. 40 CFR Part 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutions for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters

§63.7480 states that this subpart is applicable to any person who own or operate an industrial, commercial, or institutional boiler or process heater that is located at a major source of HAP.

As discussed in previous section, per HAP emissions calculations under project N-1133731, this facility is not a major source of HAP emissions, and therefore, the boilers in this facility are not subject to the requirements of this subpart, and no further discussion is required.

G. 40 CFR Part 63, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutions for Industrial, Commercial, and Institutional Boilers Area Sources

§63.11195(e) states a gas-fired boiler as defined in this subpart is not subject to the requirements of this subpart.

§63.11237 states gas-fired boiler includes any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or for periodic testing, maintenance, or operator training on liquid fuel. Periodic testing, maintenance, or operator training on liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

This site has six boilers operating under permit units N-1275-2, N-1275-4, N-1275-9, N-1275-18, N-1275-22, and N-1275-30. Except permit unit N-1275-30, each boilers is required to use PUC-quality natural gas. Permit unit N-1275-30 may use PUC-quality natural gas, biogas, or a combination of PUC-natural gas and biogas. Therefore, these boilers are not subject to the requirements of this subpart, and no further discussion is required.

H. 40 CFR Part 82, Subpart B, Protection of Stratospheric Ozone, Servicing of Motor Vehicle Air Conditioners

These are applicable requirements from Title VI of the CAA (Stratospheric Ozone that apply to all sources in general. These requirements pertain to air conditioners, chillers and refrigerators located at a Title V source and to disposal of air conditioners or maintenance/recharging/disposal of motor vehicle air conditioners (MVAC).

The following table summarizes the condition(s) that enforce on-going compliance with these sections:

Permit Number	Permit Condition Number
N-1275-0-2	28

I. 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction

These are applicable requirements from Title VI of the CAA (Stratospheric Ozone that apply to all sources in general. These requirements pertain to air conditioners, chillers and refrigerators located at a Title V source and to disposal of air conditioners or maintenance/recharging/disposal of motor vehicle air conditioners (MVAC).

The following table summarizes the condition(s) that enforce on-going compliance with these sections:

Permit Number	Permit Condition Number
N-1275-0-2	27

J. 40 CFR Part 64, Subpart B - Compliance Assurance Monitoring (CAM)

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

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

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

a). N-1275-2, N-1275-4, and N-1275-9 (25.1 MMBtu/hr natural gas-fired boilers with flue gas recirculation system)

Each of these permit units has emission limits for NO_x, SO_x, PM₁₀, CO and VOC, and these units are each equipped with an add-on control device, a flue gas recirculation system, to reduce NO_x emissions. Therefore, these units are not subject to CAM requirements for SO_x, PM₁₀, CO and VOC.

These units may be subject to CAM requirements for NO_x if the pre-control potential to emit of each of these permit units is greater than the major source threshold of 20,000 lb-NO_x/year.

The District previously determined that flue gas recirculation system provides 36% control of NO_x emissions. The pre-control potential to emit for these units will be calculated based on the heat input rating of the boiler, each rated at 25.1 MMBtu/hr, the NO_x emission factor of 0.008 lb/MMBtu, and the worst-case annual operating schedule of 8,760 hr/yr as follows (these are identical units, so a single calculation will be performed):

$$\begin{aligned} \text{PE (pre-control)} &= (25.1 \text{ MMBtu/hr} \times 0.008 \text{ lb-NOx/MMBtu} \times 8,760 \text{ hr/yr}) \div (1 - 0.36) \\ &= 2,748 \text{ lb-NOx/yr} \end{aligned}$$

Since the pre-control NO_x emissions from each unit are less than the major source threshold of 20,000 lb-NO_x/year, these units are not subject to CAM requirements.

b). N-1275-5 (Steam-operated fluidizer dryer served by a baghouse)

This permit unit has emission limit for PM₁₀, and the unit is equipped with an add-on control device, a baghouse. This unit may be subject to CAM requirements for PM₁₀ if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM₁₀/year.

The District previously determined that baghouse provides 99% control of PM₁₀ emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 120 tons, the PM₁₀ emission factor of 0.04 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (120 \text{ ton/day} \times 0.04 \text{ lb-PM}_{10}/\text{ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 175,200 \text{ lb-PM}_{10}/\text{yr} \end{aligned}$$

Since the pre-control PM₁₀ emissions are greater than the major source threshold of 140,000 lb-PM₁₀/year, this unit is subject to CAM requirements for PM₁₀.

The baghouse serving this operation is equipped with a pressure differential gauge to monitor the pressure drop across the filter media. The operator is required to record the baghouse pressure differential on a daily basis. The following conditions ensure on-going compliance with CAM requirements:

- The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64]
- The differential pressure gauge reading shall be between 2 and 8 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 8 inches water column. After baghouse service, pressures may be below 2 inches water column until sufficient loading of the filter media has occurred. [District Rule 2201 and 40 CFR Part 64]

- During each day the baghouse operates, the permittee shall monitor and record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [District Rule 2201 and 40 CFR Part 64]
- Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [Rule 2201 and 40 CFR Part 64]

Note that post-control PM10 potential emissions are below the Major Source threshold for PM10 emissions; therefore, monitoring of the required metric(s) at least once a day would be sufficient.

c). N-1275-6 (Hammermill and Classifier served by a baghouse)

This permit unit has emission limit for PM10, and the unit is equipped with an add-on control device, a baghouse. This unit may be subject to CAM requirements for PM10 if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM10/year.

As discussed above, baghouse provides 99% control of PM10 emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 96 tons, the PM10 emission factor of 0.0442 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (96 \text{ ton/day} \times 0.0442 \text{ lb-PM10/ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 154,877 \text{ lb/yr} \end{aligned}$$

Since the pre-control PM10 emissions are greater than the major source threshold of 140,000 lb-PM10/year, this unit is subject to CAM requirements for PM10.

The baghouse serving this operation is equipped with a pressure differential gauge to monitor the pressure drop across the filter media. The operator is required to record the baghouse pressure differential on a daily basis. The following conditions ensure on-going compliance with CAM requirements:

- The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64]
- The differential pressure gauge reading shall be between 0.5 and 10 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 10 inches water column. After baghouse service, pressures may be below 0.5 inch water column until sufficient loading of the filter media has occurred. [40 CFR Part 64]
- During each day the baghouse operates, the permittee shall monitor and record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [District Rule 2520 and 40 CFR Part 64]
- Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520 and 40 CFR Part 64]

Note that post-control PM10 potential emissions are below the Major Source threshold for PM10 emissions; therefore, monitoring of the required metric(s) at least once a day would be sufficient.

d). N-1275-7 (Lactose powder bagging operation served by a baghouse)

This permit unit has emission limit for PM10, and the unit is equipped with an add-on control device, a baghouse. This unit may be subject to CAM requirements for PM10 if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM10/year.

As discussed above, baghouse provides 99% control of PM10 emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 330 tons, the PM10 emission factor of 0.0024 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned}\text{PE (pre-control)} &= (330 \text{ ton/day} \times 0.0024 \text{ lb/ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 28,908 \text{ lb/yr}\end{aligned}$$

Since the pre-control PM10 emissions are less than the major source threshold of 140,000 lb-PM10/year, this unit is not subject to CAM requirements.

e). N-1275-12 (20.7 MMBtu/hr natural gas-fired spray drier served by a control system consisting of a baghouse and a scrubber)

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC. However, the unit is equipped with emission control equipment (i.e., baghouse and scrubber are connected in series) to reduce PM10 emissions. This unit may be subject to CAM requirements for PM10 if the pre-control potential emissions are above than the major source threshold of 140,000 lb-PM10/year.

As discussed above, baghouse provides 99% control of PM10 emissions. Further, the scrubber is required to be operated in a manner to provide at least 90% control of the PM10 emissions discharged from the baghouse.

The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 37.4 tons, the PM10 emission factor of 0.227 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned}\text{PE (pre-control)} &= (37.4 \text{ ton/day} \times 0.227 \text{ lb/ton} \times 365 \text{ day/yr}) \div ((1 - 0.99) \times (1 - 0.90)) \\ &= 30,987,770 \text{ lb/yr}\end{aligned}$$

Since the pre-control PM10 emission is greater than the major source threshold of 140,000 lb-PM10/year, this unit is subject to CAM requirements for PM10.

The baghouse serving this operation is equipped with a pressure differential gauge to monitor the pressure drop across the filter media. The operator is required to record the baghouse pressure differential on a daily basis. The following conditions ensure on-going compliance with CAM requirements:

- The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64]
- The differential pressure gauge reading shall be between 1 and 10 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 10 inches water column. After baghouse service, pressures may be below 1 inch water

column until sufficient loading of the filter media has occurred. [40 CFR Part 64]

- During each day the baghouse operates, the permittee shall monitor and record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [40 CFR Part 64]
- Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [40 CFR Part 64]

The exhaust stream from the baghouse is discharged into a water scrubber. To ensure that the scrubber operates at its optimum performance, minimum water flow to the scrubber is required to be monitored at least on a daily basis. In addition, the scrubber water feed tank will be equipped with sensors to detect low and high water level to alarm the control room operator. The following conditions will be included in this permit:

- Within 60 days of issuance date on this permit, the scrubber water feed tank shall be equipped with high and low water level sensors and alarms. The owner or operator shall submit such record to the District to be incorporated into the Title V permit. The sensors shall be located in an easily accessible location and maintained in good working order. [40 CFR Part 64]
- Within 60 days of issuance date on this permit, the owner or operator shall install a flow meter to measure the flow of water to the scrubber. [40 CFR Part 64]
- Minimum water flow rate shall be established per manufacturer's recommendation within 60 days of issuance date on this permit. The owner or operator shall submit such record to the District to be incorporated into the Title V permit. [40 CFR Part 64]
- During each day the scrubber operates, the permittee shall monitor and record the water flow rate and compare the reading with the permitted level. If the flow rate falls below the established minimum water flow rate,

the permittee shall take all necessary steps to return the flow to the minimum water flow rate as soon as possible, but no longer than three hours after detection. If the water flow cannot be returned to the minimum water flow rate within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the water flow back to the minimum water flow rate. [District Rule 2520 and 40 CFR Part 64]

- The scrubber and its associated components shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replaced and repairs made, and all maintenance and corrective actions taken. The records shall be kept and maintained for compliance inspection upon request. [District Rule 2520 and 40 CFR Part 64]

Note that post-control PM10 potential emissions are below the Major Source threshold for PM10 emissions; therefore, monitoring of the required metric(s) at least once a day would be sufficient.

f). N-1275-14 (Lactose drying operation served by a baghouse)

This permit unit has emission limit for PM10, and the unit is equipped with an add-on control device, a baghouse. This unit may be subject to CAM requirements for PM10 if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM10/year.

As discussed above, baghouse provides 99% control of PM10 emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 176 tons, the PM10 emission factor of 0.0034 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (176 \text{ ton/day} \times 0.0034 \text{ lb-PM10/ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 21,842 \text{ lb/yr} \end{aligned}$$

Since the pre-control PM10 emissions are less than the major source threshold of 140,000 lb-PM10/year, this unit is not subject to CAM requirements.

g). N-1275-15 (Lactose milling operation served by a baghouse)

This permit unit has emission limit for PM10, and the unit is equipped with an add-on control device, a baghouse. This unit may be subject to CAM requirements for PM10 if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM10/year.

As discussed above, baghouse provides 99% control of PM10 emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 96 tons, the PM10 emission factor of 0.0442 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (96 \text{ ton/day} \times 0.0442 \text{ lb/ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 154,877 \text{ lb/yr} \end{aligned}$$

Since the pre-control PM10 emissions are greater than the major source threshold of 140,000 lb-PM10/year, this unit is subject to CAM requirements for PM10.

The baghouse serving this operation is equipped with a pressure differential gauge to monitor the pressure drop across the filter media. The operator is required to record the baghouse pressure differential on a daily basis. The following conditions ensure on-going compliance with CAM requirements:

- Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64]
- Each differential pressure gauge reading shall be between 0.5 and 10 inches of water column during normal operation. Baghouse service is required when the differential pressure is greater than 10 inches water column. After baghouse service, pressures may be below 0.5 inch water column until sufficient loading of the filter media has occurred. [40 CFR Part 64]
- During each day the baghouses operate, the permittee shall monitor and record the differential pressure of each baghouse and compare the reading with the permitted range. If baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [District Rule 2520 and 40 CFR Part 64]
- Records of each baghouse's maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520 and 40 CFR Part 64]

Note that post-control PM10 potential emissions are below the Major Source threshold for PM10 emissions; therefore, monitoring of the required metric(s) at least once a day would be sufficient.

h). N-1275-16 (Whey protein bagging operation served by a baghouse)

This permit unit has emission limit for PM10, and the unit is equipped with an add-on control device, a baghouse. This unit may be subject to CAM requirements for PM10 if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM10/year.

As discussed above, baghouse provides 99% control of PM10 emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 73.4 tons, the PM10 emission factor of 0.033 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (73.4 \text{ ton/day} \times 0.033 \text{ lb/ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 88,410 \text{ lb/yr} \end{aligned}$$

Since the pre-control PM10 emission are less than the major source threshold of 140,000 lb-PM10/year, this unit is not subject to CAM requirements.

i). N-1275-17 (17.0 MMBtu/hr natural gas-fried dryer served by a baghouse)

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC. However, the unit is equipped with a flue gas recirculation system to reduce NO_x emissions, and a baghouse to reduce PM10 emissions. Therefore, this unit may be subject to CAM for NO_x and PM10 emissions only if the pre-control potential emissions exceeds the major source thresholds for each of these pollutants, that is, 20,000 lb-NO_x/year and 140,000 lb-PM10/year.

As discussed above, flue gas recirculation system provides 36% control of NO_x emissions. The pre-control potential to emit for this unit will be calculated based on the heat input rating of the boiler, 17.0 MMBtu/hr, the NO_x emission factor of 0.011 lb/MMBtu, and the annual operating schedule as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (17.0 \text{ MMBtu/hr} \times 0.011 \text{ lb-NO}_x\text{/MMBtu} \times 8,760 \text{ hr/yr}) \div (1 - 0.36) \\ &= 2,560 \text{ lb/yr} \end{aligned}$$

Since the pre-control NO_x emissions are less than the major source threshold, this unit is not subject to CAM requirements for NO_x.

As discussed above, baghouse provides 99% control of PM10 emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 36 tons, PM10 emission factor of 0.233 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (36 \text{ ton/day} \times 0.233 \text{ lb/ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 306,162 \text{ lb/yr} \end{aligned}$$

Since the pre-control PM10 emissions are greater than the major source threshold of 140,000 lb-PM10/year, this unit is subject to CAM requirements for PM10.

The baghouse serving this operation is equipped with a pressure differential gauge to monitor the pressure drop across the filter media. The operator is required to record the baghouse pressure differential on a daily basis. The following conditions ensure on-going compliance with CAM requirements:

- The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64]
- The differential pressure gauge reading shall be between 1 and 10 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 10 inches water column. After baghouse service, pressures may be below 1 inches water column until sufficient loading of the filter media has occurred. [District Rule 2201 and 40 CFR Part 64]
- During each day the baghouse operates, the permittee shall monitor and record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [District Rule 2520 and 40 CFR Part 64]
- Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rules 2201 and 2520, and 40 CFR Part 64]

Note that post-control PM₁₀ potential emissions are below the Major Source threshold for PM₁₀ emissions; therefore, monitoring of the required metric(s) at least once a day would be sufficient.

j). N-1275-18 (33.6 MMBtu/hr natural gas-fired boiler)

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC. This boiler is not equipped with any add-on emissions control equipment. Therefore, this unit is not subject to CAM requirements.

k). N-1275-22 (50.4 MMBtu/hr natural gas-fired boiler with flue gas recirculation system)

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC. However, the unit is equipped with a flue gas recirculation system to reduce NO_x emissions. Therefore, this unit may be subjected to CAM requirements for NO_x if the pre-control potential to emit of this permit unit is greater than the major source threshold of 20,000 lb-NO_x/year.

As discussed above, flue gas recirculation system provides 36% control of NO_x emissions. The pre-control potential to emit for this unit will be calculated based on the heat input rating of the boiler, 50.4 MMBtu/hr, the NO_x emission factor of 0.008 lb/MMBtu, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (50.4 \text{ MMBtu/hr} \times 0.008 \text{ lb/MMBtu} \times 8,760 \text{ hr/yr}) \div (1 - 0.36) \\ &= 5,519 \text{ lb/yr} \end{aligned}$$

Since the pre-control NO_x emissions are less than the major source threshold of 20,000 lb-NO_x/year, this unit is not subject to CAM requirements.

l). N-1275-23 (Wastewater anaerobic digesters served by wet scrubbers and enclosed digester gas-fired flare)

This permit unit has emission limits for NO_x, PM₁₀, CO, VOC, and H₂S, and this unit is equipped with add-on control device, a scrubber to control H₂S, and an enclosed flare to control VOC emissions. However, H₂S is not a HAP¹, and is

¹ <https://www3.epa.gov/airtoxics/pollutants/atwsmmod.html> ;
<https://www3.epa.gov/ttn/atw/pollutants/atwsmmod.html> (Hydrogen sulfide is included in Section 112© and is subject to accidental release provisions.

not considered a regulated pollutant per 40 CFR Part 64.1² and therefore, the unit is not subject to CAM requirements for H₂S. In addition, this unit is not subject to CAM requirements for NO_x, PM₁₀, and CO, as there is no add-on emissions control equipment to reduce these pollutants.

This unit may be subject to CAM requirements for VOC if the pre-control potential to emit of this permit unit is greater than the major source threshold of 20,000 lb-VOC/year.

The District previously determined that an enclosed flare provides 99% control of VOC emissions. The pre-control potential to emit for this unit will be calculated based on the flare heat input rating of 608.7 MMBtu/day, the VOC emission factor of 0.002 lb/MMBtu, and the worst-case annual operating schedule of 365 day/yr as follow:

$$\begin{aligned} \text{PE (pre-control)} &= (608.7 \text{ MMBtu/day} \times 0.002 \text{ lb/MMBtu} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 44,435 \text{ lb/yr} \end{aligned}$$

Since the pre-control VOC emissions are greater than the major source threshold of 20,000 lb-VOC/year, this unit is subject to CAM requirements.

The enclosed flare serving this operation is equipped with a temperature monitoring device to continuously monitor the flare combustion chamber temperature.

The enclosed flare combustion chamber temperature is required to be monitored at least on a daily basis. The following conditions ensure on-going compliance with CAM requirements:

- During operation of the enclosed flare, the permittee shall continuously monitor and record combustion chamber temperature. The temperature readings shall not be less than 28 degree C (50 degree F) below the average combustion temperature determined during the most recent flare source test, averaged over a 3-hour period. Upon detecting any temperature excursion lower than 28 degree C (50 degree F) below the source test average combustion temperature, averaged over a 3-hour period, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR Part 64]

² https://www.ecfr.gov/cgi-bin/text-idx?SID=8860c7f6d2840f27d45c5c32971d4607&mc=true&node=pt40.17.64&rgn=div5#se40.17.64_11

- The temperature monitoring device shall be calibrated, maintained, and operated according to the manufacturer's specification. [40 CFR Part 64]
- The enclosed flare burner and its associated components and the vapor collection system shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replacement and repairs, and all maintenance actions taken. The records shall be kept and maintained for compliance inspection upon request. [40 CFR Part 64]
- Permittee shall maintain a record of continuous flare combustion temperature, continuous volumetric gas flow rate, net heating value of biogas being combusted, daily biogas fuel consumption, and hourly heat input to the flare. [40 CFR Part 64]

Note that post-control VOC potential emissions from this operation are below the Major Source threshold for VOC emissions; therefore, monitoring of the required metric(s) at least once a day would be sufficient.

m). N-1275-24 (Lactose powder milling operation served by baghouse and bin vent filter)

This permit unit has emission limit for PM10, and the unit is equipped with add-on control devices, baghouse and bin vent filter. This unit may be subject to CAM requirements for PM10 if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM10/year.

The District previously determined that baghouse and bin vent filter would provide same control efficiency of 99% for PM10 emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 96 tons, the powder mill PM10 emission factor of 0.064 lb/ton-material and surge hopper PM10 emission factor of 0.0055 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$PE \text{ (pre-control)} = ((96 \text{ ton/day} \times (0.064 \text{ lb-PM10/ton} + 0.0055 \text{ lb-PM10/ton})) \times (365 \text{ day/yr})) \div (1 - 0.99) = 243,528 \text{ lb/yr}$$

Since the pre-control PM10 emission is greater than the major source threshold of 140,000 lb-PM10/year, this unit is subject to CAM requirements.

The baghouse and bin vent filter serving this operation is equipped with a pressure differential gauge to monitor the pressure drop across the filter media. The operator is required to record the baghouse/bin vent filter pressure differential on a daily basis. The following conditions ensure on-going compliance with CAM requirements:

- The bin vent filter and baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64]
- The differential pressure gauge reading shall be between 0.5 and 10 inches of water column during normal baghouse and bin vent filter operation. Baghouse or bin vent filter service is required when the differential pressure is greater than 10 inches water column. After baghouse or bin vent filter service, pressures may be below 0.5 inch water column until sufficient loading of the filter media has occurred. [40 CFR Part 64]
- During each day the bin vent filter and or baghouse operates, the permittee shall monitor and record the differential pressure from each gauge and compare the reading with the respective permitted range. If the baghouse or bin vent filter differential pressure falls outside the respective permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [District Rule 2520 and 40 CFR Part 64]
- Records of the bin vent filter and baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520 and 40 CFR Part 64]

Note that post-control PM₁₀ potential emissions are below the Major Source threshold for PM₁₀ emissions; therefore, monitoring of the required metric(s) at least once a day would be sufficient.

n). N-1275-25 (Lactose powder storage operation served by bin vent filters)

This permit unit has emission limit for PM₁₀, and the unit is equipped with add-on control devices, bin vent filters. This unit may be subject to CAM requirements for PM₁₀ if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM₁₀/year.

As discussed above, bin vent filter provides 99% for PM₁₀ emissions. The pre-control potential to emit for this unit will be calculated based on the airflow rate

of each silo, the PM₁₀ emission factor of 0.0017 gr/dscf, and the worst-case annual operating schedule of 365 day/yr as follows:

Silo No.	1	2	3	4	5	6
Airflow rate (cfm)	1,300	1,300	800	800	1,300	800

$$\begin{aligned}
 \text{PE (pre-control)} &= \{[(1,300 \text{ dscf/min})_{\text{Silo1}} + (1,300 \text{ dscf/min})_{\text{Silo2}} + (800 \\
 &\text{dscf/min})_{\text{Silo3}} + (800 \text{ dscf/min})_{\text{Silo4}} + (1,300 \text{ dscf/min})_{\text{Silo5}} + (800 \\
 &\text{dscf/min})_{\text{Silo6}}] \times 0.0017 \text{ gr/dscf}\} \times (\text{lb}/7,000 \text{ gr}) \times (1,440 \text{ min/day}) \times 365 \\
 &\text{day/yr} \div (1 - 0.99) \\
 &= 80,417 \text{ lb/yr}
 \end{aligned}$$

Since the pre-control PM₁₀ emissions are less than the major source threshold of 140,000 lb-PM₁₀/year, this operation is not subject to CAM requirements.

o). N-1275-26 (Warehouse vacuum cleaning operation served by a baghouse)

This permit unit has emission limit for PM₁₀, and the unit is equipped with an add-on control device, a baghouse. This unit may be subject to CAM requirements for PM₁₀ if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM₁₀/year.

As discussed above, baghouse provides 99% control of PM₁₀ emissions. The pre-control potential to emit for this unit will be calculated based on the daily material collection rate of 0.2 pounds, the PM₁₀ emission factor of 2 lb/ton-material collected, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned}
 \text{PE (pre-control)} &= (0.2 \text{ ton/day} \times 2 \text{ lb-PM}_{10}/\text{ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\
 &= 14,600 \text{ lb-PM}_{10}/\text{yr}
 \end{aligned}$$

Since the pre-control PM₁₀ emission are less than the major source threshold of 140,000 lb-PM₁₀/year, this unit is not subject to CAM requirements.

p). N-1275-28 (6.7 MMBtu/hr whey protein dryer and a baghouse)

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC. However, this unit is equipped with a baghouse to reduce PM₁₀ emissions. Therefore, this unit is subject to CAM requirements for NO_x, SO_x, CO, and VOC.

This permit unit may be subject to CAM requirements for PM₁₀ if the pre-control potential to emit of this permit unit is greater than the major source threshold of 140,000 lb-PM₁₀/year.

As discussed above, baghouse provides 99% control of PM₁₀ emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 13.0 tons, the PM₁₀ emission factor of 0.23 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (13 \text{ ton/day} \times 0.23 \text{ lb/ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 109,135 \text{ lb/yr} \end{aligned}$$

Since the pre-control PM₁₀ emission is less than the major source threshold of 140,000 lb-PM₁₀/year, this unit is not subject to CAM requirements.

q). N-1275-30 (50.2 MMBtu/hr natural gas and biogas fired boiler with selective catalytic reduction system)

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC. However, the unit is equipped with a selective catalytic reduction (SCR) system to reduce NO_x emissions. Therefore, this unit may be subject to CAM requirements for NO_x only if the pre-control potential emissions are greater than the major source threshold of 20,000 lb-NO_x/year.

The District previously determined that SCR system provides 95% control of NO_x emissions. The pre-control potential to emit for this unit will be calculated based on the heat input rating of the boiler, 50.2 MMBtu/hr, the NO_x emission factor of 0.0062 lb/MMBtu, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (50.2 \text{ MMBtu/hr} \times 0.0062 \text{ lb-NO}_x\text{/MMBtu} \times 8,760 \text{ hr/yr}) \div (1 - 0.95) \\ &= 54,529 \text{ lb-NO}_x\text{/yr} \end{aligned}$$

Since the pre-control NO_x emissions are greater than the major source threshold of 20,000 lb-NO_x/year, this unit is subject to CAM requirements.

This boiler is served by an SCR system to reduce NO_x emissions. To ensure that the SCR is operated at its optimum level and reduces the maximum amount of NO_x emissions, the owner or operator will be required to establish, monitor and record minimum amount of ammonia injection rate and minimum SCR catalyst face temperature at which ammonia injection will occur. These metrics are required to be recorded at least on a daily basis while the boiler is in operation. The following conditions will be included in the permit:

- **The ammonia injection into the SCR system shall occur once the minimum temperature at the catalyst face has been reached to ensure NO_x emission reductions can occur with a reasonable level of ammonia slip. The**

minimum catalyst face temperature shall be 280 degrees Fahrenheit. [40 CFR Part 64]

- The SCR system shall be equipped with a continuous temperature monitoring system to measure and record the temperature at the catalyst face. [District Rule 2520 and 40 CFR Part 64]
- Within 60 days of issuance date on this permit, the owner or operator shall establish minimum ammonia injection rate (pounds per hour) into the SCR system per manufacturer's recommendation. The ammonia injection rate may be administratively revised should source testing determines that another value is more appropriate than the previously established ammonia injection rate. [40 CFR Part 64]
- During each day that the boiler operates, the permittee shall monitor and record the ammonia injection rate (pounds per hour) into the SCR system and compare the reading with the minimum ammonia injection rate established in the permit. If the ammonia injection rate falls below the minimum ammonia injection rate established in the permit, the permittee shall take all necessary steps to return the ammonia injection rate to the minimum permitted level as soon as possible, but no longer than 1 hour after detection. If the ammonia injection rate cannot be returned to the minimum ammonia injection rate established in the permit within 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. 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 Rule 2520 and 40 CFR Part 64]

Note that post-control NOx potential emissions from this operation are below the Major Source threshold for NOx emissions; therefore, monitoring of the required metric(s) at least once a day would be sufficient.

r). N-1275-35 (Salt receiving operation served by a fabric sock filter)

This permit unit has emission limit for PM10, and the unit is equipped with an add-on emission control device, a fabric sock filter. This unit may be subject to CAM requirements for PM10 if the pre-control potential to emit unit is greater than the major source threshold of 140,000 lb-PM10/year.

The District previously determined that baghouse and fabric sock filter would provide same control efficiency of 99% for PM10 emissions. The pre-control potential to emit for this unit will be calculated based on the daily material process rate of 30 tons, the PM10 emission factor of 0.00034 lb/ton-material, and the worst-case annual operating schedule of 365 day/yr as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (30 \text{ ton/day} \times 0.00034 \text{ lb/ton} \times 365 \text{ day/yr}) \div (1 - 0.99) \\ &= 372 \text{ lb/yr} \end{aligned}$$

Since the pre-control PM10 emission is less than the major source threshold of 140,000 lb-PM10/year, this unit is not subject to CAM requirements.

s). N-1275-36 (619 bhp emergency standby diesel-fired IC engine)

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC pollutant, and is equipped with add-on control devices, a turbocharger to control NO_x emissions and a positive crankcase ventilation (PCV) system to control PM10 and VOC emissions. This unit may be subject to CAM requirements for NO_x, PM10 and VOC if the pre-control potential to emit is greater than the major source thresholds of 20,000 lb-NO_x/year, 140,000 lb-PM10/year, and 20,000 lb-VOC/year, respectively.

The District previously determined that turbocharger provides 10% control of NO_x emissions, and PCV system would reduce crankcase PM10 and VOC emissions by at least 90% over an uncontrolled crankcase vent. The pre-control potential to emit for this unit will be calculated based on the brake horsepower rating of the engine, the emission factor, and the annual operating hours as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (619 \text{ bhp} \times 2.74 \text{ g-NO}_x/\text{bhp-hr} \times 50 \text{ hr/yr} \times \text{lb}/453.6 \text{ g}) \div (1 - 0.1) \\ &= 208 \text{ lb/yr} \end{aligned}$$

$$\begin{aligned} \text{PE (pre-control)} &= (619 \text{ hp} \times 0.107 \text{ g-PM}_{10}/\text{hp-hr} \times 50 \text{ hr/yr} \times \text{lb}/453.6 \text{ g}) \div (1 - 0.9) \\ &= 73 \text{ lb/yr} \end{aligned}$$

$$\begin{aligned} \text{PE (pre-control)} &= (619 \text{ hp} \times 0.14 \text{ g/hp-hr} \times 50 \text{ hr/yr} \times \text{lb}/453.6 \text{ g}) \div (1 - 0.9) \\ &= 96 \text{ lb/yr} \end{aligned}$$

Since the pre-control NO_x, PM10, and VOC emissions are each less than the major source thresholds of 20,000 lb-NO_x/year, 140,000 lb-PM10/year, and 20,000 lb-VOC/year, respectively. Therefore, this unit is not subject to CAM requirements.

s). N-1275-37 (389 bhp emergency standby diesel-fired IC engine)

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC pollutant, and is equipped with add-on control devices, a turbocharger to control NO_x emissions and a positive crankcase ventilation (PCV) system to control PM₁₀ and VOC emissions. This unit may be subject to CAM requirements for NO_x, PM₁₀ and VOC if the pre-control potential to emit of this permit unit is greater than the major source thresholds of 20,000 lb-NO_x/year, 140,000 lb-PM₁₀/year, and 20,000 lb-VOC/year, respectively.

The District previously determined that turbocharger provides 10% control of NO_x emissions, and PCV system would reduce crankcase PM₁₀ and VOC emissions by at least 90% over an uncontrolled crankcase vent. The pre-control potential to emit for this unit will be calculated based on the brake horsepower rating of the engine, the emission factor, and the annual operating hours as follows:

$$\begin{aligned} \text{PE (pre-control)} &= (389 \text{ bhp} \times 2.47 \text{ g-NO}_x/\text{bhp-hr} \times 50 \text{ hr/yr} \times \text{lb}/453.6\text{g}) \div (1 - 0.1) \\ &= 118 \text{ lb-NO}_x/\text{yr} \end{aligned}$$

$$\begin{aligned} \text{PE (pre-control)} &= (389 \text{ bhp} \times 0.10 \text{ g-PM}_{10}/\text{bhp-hr} \times 50 \text{ hr/yr} \times \text{lb}/453.6 \text{ g}) \div (1 - 0.9) \\ &= 43 \text{ lb/yr} \end{aligned}$$

$$\begin{aligned} \text{PE (pre-control)} &= (389 \text{ bhp} \times 0.13 \text{ g-VOC}/\text{bhp-hr} \times 50 \text{ hr/yr} \times \text{lb}/453.6 \text{ g}) \div (1 - 0.9) \\ &= 56 \text{ lb/yr} \end{aligned}$$

Since the pre-control NO_x, PM₁₀, and VOC emissions are less than the major source thresholds of 20,000 lb-NO_x/year, 140,000 lb-PM₁₀/year, and 20,000 lb-VOC/year, respectively. Therefore, this unit is not subject to CAM requirements.

For all units (discussed above) that are subject to CAM, the following conditions will be included:

- The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64]
- If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64]
- The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64]

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

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

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shield as granted in Model General Permit Template is included as conditions 39 and 40 of the proposed facility-wide permit N-1275-0-2.

B. Requirements not Addressed by Model General Permit Templates

The applicant is not requesting a permit shield for any additional permit requirement.

C. Obsolete Permit Shields From Existing Permit Requirements

There is no obsolete permit shield from existing permit requirements.

X. CALIFORNIA ENVIRONMENTAL QUALITY ACT

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

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

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

XII. ATTACHMENTS

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

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: N-1275-0-2

EXPIRATION DATE: 09/30/2017

FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

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: HILMAR CHEESE COMPANY
Location: 9001 N LANDER AVE, HILMAR, CA 95324
N-1275-0-2 - Aug 8 2017 11:30AM -- KAHLOJ

9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. {4371} The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. {4372} Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. {4373} If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. {4374} It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. {4375} The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. {4376} The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. {4377} The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. {4378} The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. {4379} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. {4380} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. {4381} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. {4382} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

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

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. {4400} 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, 13.2] Federally Enforceable Through Title V Permit
40. {4401} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. On January 31, 2013, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-2-9

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

25.1 MMBTU/HR CLEAVER-BROOKS BOILER (S/N L-86827) WITH A NATCOM PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE-GAS RECIRCULATION SYSTEM (BOILER #1)

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. 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
5. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.012 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
8. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
9. Source testing to measure NOx and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
10. 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
11. 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
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
15. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. 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 1081, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
20. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
22. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
23. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
25. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
26. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
27. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-4-10

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

25.1 MMBTU/HR CLEAVER-BROOKS MODEL CB-200-600 BOILER (S/N L90961) WITH A NATCOM PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE GAS RECIRCULATION SYSTEM (BOILER #3)

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. 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
5. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
8. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
9. Source testing to measure NOx and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
10. 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
11. 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
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
15. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. 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 1081, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
20. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
22. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
23. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
25. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
26. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
27. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-5-9

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

STEAM-OPERATED VIBRO-FLUIDIZER DRYER SERVED BY A NIRO HUDSON INC CYCLONE VENTED TO AN AMERICAN AIR FILTER MODEL MILLENIUM SIZE 14-336-6304 BAGHOUSE

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. Visible emissions from the baghouse serving the lactose drying process shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
4. PM10 emissions from the baghouse serving the dried lactose process system shall not exceed 0.04 pounds per ton of dried lactose produced. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The amount of dried lactose produced shall not exceed 120 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions shall be calculated as follows: $0.04 \text{ lb/ton-lactose-produced} \times \text{ton-lactose-produced}$. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30 \text{ tph}$) or $E=17.31P^{0.16}$ ($P > 30 \text{ tph}$). [District Rule 4202] Federally Enforceable Through Title V Permit
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading shall be between 2 and 8 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 8 inches water column. After baghouse service, pressures may be below 2 inches water column until sufficient loading of the filter media has occurred. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. Replacement bags numbering at least 10% of the total number of bags shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [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.

12. During each day the baghouse operates, the permittee shall monitor and record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
13. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
14. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
15. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
16. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. The permittee shall keep records of date and quantity of lactose produced. [District Rule 2201] Federally Enforceable Through Title V Permit
18. A record of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The record shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained for a minimum of five years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-6-4

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

125 HP BAUERMEISTER MODEL #UT53 HAMMERMILL AND MODEL 3 CLASSIFIER SERVED BY MAC MODEL #96LRT80 STYLE III BAGHOUSE (SHARED WITH LACTOSE POWDER RECEIVER)

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. 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. Visible emissions from baghouses shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions shall be calculated as follows: $0.0442 \text{ lb-PM10/ton-lactose-processed} \times (\text{throughput}) \text{ ton-lactose-processed}$. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The quantity of dried lactose processed through the lactose grinding and receiving system shall not exceed 96 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from the baghouse serving the hammermill and classifier shall not exceed 0.0442 lb/ton-dried-lactose. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
9. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The baghouse shall be equipped with pressure differential gauges to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
11. The differential pressure gauge reading shall be between 0.5 and 10 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 10 inches water column. After baghouse service, pressures may be below 0.5 inch water column until sufficient loading of the filter media has occurred. [40 CFR Part 64] Federally Enforceable Through Title V Permit
12. Baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collection system shall be disposed of in a manner preventing entrainment into the atmosphere. [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. For each type of baghouse, a spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
15. During each day the baghouse operates, the permittee shall monitor and record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
16. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
17. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
18. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
20. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The record shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
21. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-7-6

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE POWDER BAGGING SYSTEM SERVED BY A DCE MODEL C72-RK15AD DUST COLLECTOR

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. 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. Visible emissions from dust collection system shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. Dust collection system shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions from this permit shall be calculated as follows: $0.0024 \text{ lb-PM10/ton-lactose-processed} \times (\text{throughput ton-lactose-processed})$. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from the dust collector system serving the lactose powder bagging system shall not exceed 0.0024 lb/ton of dried lactose. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The quantity of dried lactose processed through the bagging system shall not exceed 330 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30 \text{ tph}$) or $E=17.31P^{0.16}$ ($P > 30 \text{ tph}$). [District Rule 4202] Federally Enforceable Through Title V Permit
10. Filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Dust collection cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Material removed from dust collector system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
13. For each type of filter, a spare set of filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
14. A daily record shall be kept and shall include the date and quantity of lactose processed. [District Rules 1070 and 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.

15. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-9-8

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

25.1 MMBTU/HR CLEAVER BROOKS MODEL CBLE 700-600-2005 BOILER (S/N OLO94841) WITH A NATCOM MODEL PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE GAS RECIRCULATION SYSTEM (BOILER #2)

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. 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
5. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
8. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
9. Source testing to measure NOx and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
10. 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
11. 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
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
15. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. 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 1081, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
20. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
22. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
23. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
25. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
26. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
27. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-12-6

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

ONE SINGLE STAGE MARRIOT-WALKER SPRAY DRIER WITH A 20.7 MMBTU/HR MAXON BURNER SERVED BY A WALKER STAINLESS EQUIPMENT BAGHOUSE AND A FISHER-KLOSTERMAN SCRUBBER

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. 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. Visible emissions from the baghouses serving the milk dryer shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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]
5. The spray drier shall only be fired on PUC-quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions shall be calculated as follows: $0.0377 \text{ lb/MMBtu} \times (\text{fuel usage}) \text{ MMscf} \times 1,000 \text{ MMBtu/MMscf}$. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions shall be calculated as follows: $0.227 \text{ lb/ton-finished-product-processed} \times (\text{throughput}) \text{ ton-finished-product-processed}$. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The NOx emissions shall not exceed 0.0377 lb/MMBtu (equivalent to 3.3 ppmvd @ 19% O2). [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
11. The CO emissions shall not exceed 0.2924 lb/MMBtu (equivalent to 42 ppmvd @ 19% O2). [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
12. The VOC emissions shall not exceed 0.004 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The SOx emissions shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The finished product throughput shall not exceed 37.4 tons during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The PM10 emissions shall not exceed 0.227 lb PM10 per ton of finished product throughput. [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.

16. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
18. Source testing to measure NO_x and CO emissions from the drier shall be conducted at least once every 24 months. [District Rule 4309] Federally Enforceable Through Title V Permit
19. 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
20. 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
21. 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
22. All emissions measurements shall be made with the unit(s) 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 Rule 4309. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
23. All source test results shall be reported in ppmvd @ 19% O₂ or no correction if the stack O₂ content is greater than 19%. [District Rule 4309] Federally Enforceable Through Title V Permit
24. 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 1081 and 4309] Federally Enforceable Through Title V Permit
25. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
26. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
27. Stack gas velocities shall be determined utilizing EPA Method 2. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
28. Stack Moisture Content shall be determined utilizing EPA Method 4 [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
29. 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 1081 and 4309] Federally Enforceable Through Title V Permit
30. 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 Rule 4309] 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.

31. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% 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 performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
32. 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 Rule 4309] Federally Enforceable Through Title V Permit
33. 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 19% O₂ (or no correction if measured above 19% 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 4309] Federally Enforceable Through Title V Permit
34. The scrubber and the scrubber fluid shall be maintained such that the scrubber provides at least 90% control of the PM₁₀ emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
35. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
36. The differential pressure gauge reading shall be between 1 and 10 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 10 inches water column. After baghouse service, pressures may be below 1 inch water column until sufficient loading of the filter media has occurred. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
37. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
38. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
39. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
40. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
41. During each day the baghouse operates, the permittee shall monitor and record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

42. Within 60 days of issuance date on this permit, the scrubber water feed tank shall be equipped with high and low water level sensors and alarms. The owner or operator shall submit such record to the District to be incorporated into the Title V permit. The sensors shall be located in an easily accessible location and maintained in good working order. [40 CFR Part 64] Federally Enforceable Through Title V Permit
43. Within 60 days of issuance date on this permit, the owner or operator shall install a flow meter to measure the flow of water to the scrubber. [40 CFR Part 64] Federally Enforceable Through Title V Permit
44. Minimum water flow rate shall be established per manufacturer's recommendation within 60 days of issuance date on this permit. The owner or operator shall submit such record to the District to be incorporated into the Title V permit. [40 CFR Part 64] Federally Enforceable Through Title V Permit
45. During each day the scrubber operates, the permittee shall monitor and record the water flow rate and compare the reading with the permitted level. If the flow rate falls below the established minimum water flow rate, the permittee shall take all necessary steps to return the flow to the minimum water flow rate as soon as possible, but no longer than three hours after detection. If the water flow cannot be returned to the minimum water flow rate within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the water flow back to the minimum water flow rate. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
46. The scrubber and its associated components shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replaced and repairs made, and all maintenance and corrective actions taken. The records shall be kept and maintained for compliance inspection upon request. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
47. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
48. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
49. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
50. Monthly records of the total hours of operation and of the type and quantity of fuel used shall be kept. [District Rule 4309] Federally Enforceable Through Title V Permit
51. A daily record shall be maintained and shall include the date, amount of fuel used and the tons of finished product processed. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
52. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
53. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-14-5

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE DRYING OPERATION WITH A NIRO-HUDSON FLUID BED DRYER SERVED BY A NIRO MODEL #235145 BAGHOUSE

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. 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. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. For each type of baghouse, a spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Visible emissions from the baghouse serving the lactose drying operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The differential pressure gauge reading shall be between 2 and 10 inches of water column at all times the baghouse is in operation. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions shall be calculated as follows: $0.0034 \text{ lb-PM10/ton-material-processed} \times (\text{throughput}) \text{ ton-material-processed}$. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The quantity of material processed by the dryer shall not exceed 176 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The PM10 emissions from baghouse serving the lactose drier shall not exceed 0.0034 pounds per ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
13. A daily record shall be maintained and shall include the date and quantity of material processed. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
14. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [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.

15. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-15-3

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE MILLING OPERATION WITH A BAUERMEISTER, INC. MODEL UT-53 HAMMERMILL, SERVED BY A MAC MODEL 96 LRT 80 STYLE III BAGHOUSE

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. 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. Visible emissions from dust collection system shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201] Federally Enforceable Through Title V Permit
4. Visible emissions from the baghouse shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once during each day that the baghouse is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions as expeditiously as possible. Corrective action shall include the following: inspecting the baghouse for any tears, abrasions, or holes in the filters; inspecting the baghouse for damage; and repairing or replacing any defective or damaged material. [40 CFR Part 64] Federally Enforceable Through Title V Permit
5. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions shall be calculated as follows: $0.0442 \text{ lb-PM10/ton-material-processed} \times (\text{throughput}) \text{ ton-material-processed}$. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from the baghouse serving the hammermill shall not exceed 0.0442 lb/ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The quantity material processed through the bagging system shall not exceed 96 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
10. The baghouses shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
12. Each differential pressure gauge reading shall be between 0.5 and 10 inches of water column during normal operation. Baghouse service is required when the differential pressure is greater than 10 inches water column. After baghouse service, pressures may be below 0.5 inch water column until sufficient loading of the filter media has occurred. [40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Material removed from dust collection system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
15. For each type of baghouse, a spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
16. During each day the baghouses operate, the permittee shall monitor and record the differential pressure of each baghouse and compare the reading with the permitted range. If baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
17. Records of each baghouse's maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
19. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
20. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
21. A daily log shall be maintained and shall include the date and quantity of material processed. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
22. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-16-6

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

WHEY PROTEIN BAGGING OPERATION SERVED BY A DCE MODEL C-72-55 BAGHOUSE

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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. 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. Visible emissions from the baghouse serving the whey protein bagging operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions shall be calculated as follows: $0.033 \text{ lb-PM10/ton-material-processed} \times (\text{throughput}) \text{ ton-material-processed}$. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions from the baghouse serving the whey protein bagging operation shall not exceed 0.033 pounds per ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The quantity of material processed through the whey protein bagging operation shall not exceed 73.4 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each type of baghouse, a spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
13. A daily record shall be kept and shall include the date and quantity of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [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.

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15. All records shall be retained for a minimum of 5 years and made available for District inspection upon request.
[District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-17-4

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

PROTEIN DRYING OPERATION CONSISTING OF AN INDIRECT NATURAL GAS-FIRED EXOTHERMICS ES-2465 PROCESS HEATER EQUIPPED WITH A 17.0 MMBTU/HR ECLIPSE INC. MINNOX 4250 CCS-T/C-SP LOW-NOX BURNER WITH FLUE GAS RECIRCULATION. EMISSIONS FROM THE HANDLING OF DRIED PROTEIN ARE CONTROLLED BY A NIRO MODEL 235-14-5 BAGHOUSE

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. 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. Visible emissions from the exhaust of the baghouse serving the protein drying operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All ducting and control equipment shall be in good working order to prevent fugitive particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
6. All filters shall be properly maintained and must be in place during operation of the protein dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement filters numbering at least 10% of the total number of filters in the largest dust collector using each type of filter shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. The differential pressure gauge reading shall be between 1 and 10 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 10 inches water column. After baghouse service, pressures may be below 1 inches water column until sufficient loading of the filter media has occurred. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
11. Dust collector exhaust fan(s) shall be switched on prior to the start-up of the protein dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
13. This unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] 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. The facility-wide NO_x emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The facility-wide PM₁₀ emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Emissions from the process heater shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 125 ppmvd CO @ 3 % O₂ or 0.092 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. The quantity of finished protein processed shall not exceed 36 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. PM₁₀ emissions from the exhaust of the baghouse serving the protein drying operation shall not exceed 0.233 pound per ton of finished protein processed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
21. Source testing to measure NO_x and CO emissions from the process heater shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
22. 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
23. 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
24. 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
25. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] 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, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
27. 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
28. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
29. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. Visible emissions from the baghouse shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once during each day that the baghouse is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions as expeditiously as possible. Corrective action shall include the following: inspecting the baghouse for any tears, abrasions, or holes in the filters; inspecting the baghouse for damage; and repairing or replacing any defective or damaged material. [40 CFR Part 64] Federally Enforceable Through Title V Permit
31. 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 1081, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
32. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
33. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
34. 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
35. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
36. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
37. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
38. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
39. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
40. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [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.

41. During each day the baghouse operates, the permittee shall monitor and record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within in the permitted range. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
42. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rules 2201 and 2520, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
43. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
44. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
45. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
46. Permittee shall keep a daily record of the quantity of finished protein processed. [District Rule 2201] Federally Enforceable Through Title V Permit
47. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-18-5

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

33.6 MMBTU/HR NATURAL GAS FIRED CLEAVER-BROOKS MODEL CEW 700-800 BOILER WITH AN ALZETA MODEL V504-G ULTRA LOW-NOX BURNER (BOILER #4)

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. 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
5. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
8. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
9. Source testing to measure NOx and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
10. 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
11. 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
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
15. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
19. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
20. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
22. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
23. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
25. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
26. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
27. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-22-4

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

50.4 MMBTU/HR NATURAL GAS FIRED CLEAVER BROOKS MODEL CBL-700-1200-200 BOILER WITH A PROFIRE NT BURNER, A FLUE GAS RECIRCULATION SYSTEM AND AN O2 CONTROLLER (BOILER #5)

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. 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
5. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.005 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
8. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
9. Source testing to measure NOx and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
10. 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
11. 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
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
14. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
15. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
19. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
20. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
22. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
23. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
25. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
26. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rule 4351] Federally Enforceable Through Title V Permit
27. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated on a monthly basis. [District Rule 2201] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-23-9

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

2.5 MILLION GALLON PER DAY CHEESE WASTEWATER SYSTEM WITH TWO ANAEROBIC DIGESTERS SERVED BY TWO CEILCOTE SPT-18-144 WET SCRUBBERS AND 625 CFM VAREC MODEL 244E ENCLOSED FLARE

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the flare serving the anaerobic digesters shall not equal or exceed Ringelmann 1/4 or 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. {1898} 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. The anaerobic digester system and its associated piping shall be maintained leak free. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This flare shall only be fired on biogas collected from the anaerobic digester system. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The facility-wide NO_x emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM₁₀ emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The flare heat input shall not exceed 608.7 MMBtu/day. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
8. Emissions from the flare shall not exceed any of the following limits: 0.06 lb-NO_x/MMBtu (as NO₂); 0.02 lb-PM₁₀/MMBtu; 0.30 lb-CO/MMBtu; or 0.002 lb-VOC/MMBtu (as methane). [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
9. The sulfur content of the biogas being incinerated by the flare shall not exceed 14 ppmv (as H₂S). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Source testing to measure NO_x, CO and VOC emissions from the digester-fired flare shall be conducted at least once every twelve (12) months. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
11. For source test purposes, NO_x emissions from the flare shall be determined using EPA Method 19 on a heat input basis, or EPA Method 3A, EPA Method 7E, or ARB Method 100 on a ppmv basis. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
12. For source test purposes, CO emissions from the flare shall be determined using EPA Method 10 or 10B, ARB Methods 1 through 5 with 10, or ARB Method 100. [District Rule 2201] Federally Enforceable Through Title V Permit
13. For source test purposes, VOC emissions from the flare shall be determined using EPA Method 18 or 25 or 25a. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
14. Stack gas oxygen (O₂) shall be determined using EPA Method 3A, EPA Method 7E, or ARB Method 100. [District Rules 2201 and 4311] 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.

15. 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 Rules 1081 and 4311] Federally Enforceable Through Title V Permit
16. The results of each source test shall be submitted to the District within 45 days thereafter. [District Rules 1081 and 4311] Federally Enforceable Through Title V Permit
17. Operator shall determine digester gas fuel higher heating value annually by ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Sampling ports for biogas testing shall be provided in accordance with District requirements. [District Rule 1081] Federally Enforceable Through Title V Permit
19. At least once every 120 days, the hydrogen sulfide concentration of the biogas shall be determined by an independent, certified laboratory using one of the following test methods: EPA Method 11, EPA Method 15, ASTM Method D1072, D3031, D4084, D3246, or D5504. Once three consecutive 120-day laboratory tests show compliance with the permitted hydrogen sulfide concentration limit, the laboratory testing frequency may be reduced to annually. If a subsequent annual laboratory test shows a violation of the permitted hydrogen sulfide concentration limit then 120-day laboratory testing shall resume and continue until three consecutive 120-day laboratory tests show compliance. Once compliance is shown on three consecutive 120-day laboratory tests, the laboratory testing frequency may return to annually. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
20. At least once every two weeks, the facility shall test the biogas to demonstrate compliance with the permitted hydrogen sulfide concentration limit using a properly calibrated gas chromatograph. Once 12 consecutive biweekly tests show compliance, the testing frequency may be reduced to monthly. If a subsequent test shows a violation of the permitted hydrogen sulfide concentration limit then biweekly testing shall resume and continue until 12 consecutive tests show compliance. Once compliance is shown on 12 consecutive biweekly tests, the testing frequency may return to monthly. It is not necessary for the facility to perform gas chromatograph testing during the week in which either the 120-day or annual laboratory testing is performed. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
21. The gas chromatograph used for the biweekly testing shall be calibrated according to the manufacturer's recommendations. Records of the gas chromatograph equipment calibration shall be kept and shall be made available for District inspection upon request. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
22. Biogas sampling shall be conducted using the methods and procedures approved by the District. The District shall be notified each time the biogas sampling frequency changes. [District Rule 1081] Federally Enforceable Through Title V Permit
23. A flame shall be present at all times when combustible gases are vented through the flare. [District Rule 4311] Federally Enforceable Through Title V Permit
24. Flare outlet shall be equipped with an automatic ignition system, or, shall operate with a pilot flame present at all times when combustible gases are vented through the flare, except during purge periods for automatic-ignition equipped flares. [District Rule 4311] Federally Enforceable Through Title V Permit
25. Flare shall be equipped with a heat sensing device such as a thermocouple, ultraviolet beam sensor, infrared sensor, or an equivalent device capable of continuously detecting at least one pilot flame or the flare flame is present. The flame detection device shall be kept operational at all times except during flare maintenance when the flare is isolated from gas flow. During essential planned power outages when the flare is operating, the pilot monitor is allowed to be non-functional if the flare flame is clearly visible to onsite operators. All pilot monitor downtime shall be reported annually pursuant to Rule 4311, Section 6.2.3.6. [District Rule 4311] Federally Enforceable Through Title V Permit
26. If the flare uses a flow-sensing automatic ignition system and does not use a continuous flame pilot, the flare shall use purge gas for purging. [District Rule 4311] Federally Enforceable Through Title V Permit
27. Flaring is prohibited unless it is consistent with an approved flare minimization plan (FMP), pursuant to Section 6.5, and all commitments listed in that plan have been met. This standard does not apply if the APCO determines that the flaring is caused by an emergency as defined by Section 6.7 and is necessary to prevent an accident, hazard or release of vent gas directly to the atmosphere. [District Rule 4311] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

28. During operation of the enclosed flare, the permittee shall continuously monitor and record combustion chamber temperature. The temperature readings shall not be less than 28 degree C (50 degree F) below the average combustion temperature determined during the most recent flare source test, averaged over a 3-hour period. Upon detecting any temperature excursion lower than 28 degree C (50 degree F) below the source test average combustion temperature, averaged over a 3-hour period, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
29. The temperature monitoring device shall be calibrated, maintained, and operated according to the manufacturer's specification. [40 CFR Part 64] Federally Enforceable Through Title V Permit
30. The operator shall monitor and record the vent gas flow to the flare with a flow measuring device or other parameters as specified in the Permit to Operate. [District Rule 4311] Federally Enforceable Through Title V Permit
31. The operator of a flare subject to flare minimization plans pursuant to Section 5.8 of this rule shall notify the APCO of an unplanned flaring event within 24 hours after the start of the next business day or within 24 hours of their discovery, whichever ever occurs first. The notification shall include the flare source identification, the start date and time, and the end date and time. [District Rule 4311] Federally Enforceable Through Title V Permit
32. The operator of a flare subject to flare minimization plans pursuant to Section 5.8 shall submit an annual report to the APCO that summarizes all Reportable Flaring Events as defined in Section 3.0 that occurred during the previous 12 month period. The report shall be submitted within 30 days following the end of the twelve month period of the previous year. The report shall include, but is not limited to all of the following: the results of an investigation to determine the primary cause and contributing factors of the flaring event; any prevention measures considered or implemented to prevent recurrence together with a justification for rejecting any measures that were considered but not implemented; if appropriate, an explanation of why the flaring was an emergency and necessary to prevent accident, hazard or release of vent gas to the atmosphere, or where, due to a regulatory mandate to vent a flare, it cannot be recovered, treated and used as a fuel gas at the facility; and the date, time, and duration of the flaring event. [District Rule 4311] Federally Enforceable Through Title V Permit
33. The operator of a flare subject to flare monitoring requirements pursuant to Section 5.10 shall submit an annual report to the APCO within 30 days following the end of each 12 month period. The report shall include the following: the total volumetric flow of vent gas in standard cubic feet for each day; if the flow monitor used pursuant to Section 5.10 measures molecular weight, the average molecular weight for each hour of each month; a flow verification report which shall include flow verification testing pursuant to Section 6.3.5. [District Rule 4311] Federally Enforceable Through Title V Permit
34. For purposes of the flow verification report required by Section 6.2.3.8, vent gas flow shall be determined using one or more of the following methods, or by any alternative method approved by the APCO, ARB, and EPA: EPA Methods 1 and 2; a verification method recommended by the manufacturer of the flow monitoring equipment installed pursuant to Section 5.10; tracer gas dilution or velocity; other flow monitors or process monitors that can provide comparison data on a vent stream that is being directed past the ultrasonic flow meter. [District Rule 4311] Federally Enforceable Through Title V Permit
35. Every five years after the initial FMP submittal, the operator shall submit an updated FMP for each flare to the APCO for approval. The current FMP shall remain in effect until the updated FMP is approved by the APCO. If the operator fails to submit an updated FMP as required by this section, the existing FMP shall no longer be considered an approved plan. [District Rule 4311] Federally Enforceable Through Title V Permit
36. An updated FMP shall be submitted by the operator pursuant to Section 6.5 addressing new or modified equipment, prior to installing the equipment. Updated FMP submittals are only required if: (1) The equipment change would require an authority to construct (ATC) and would impact the emissions from the flare, and (2) The ATC is deemed complete after June 18, 2009, and (3) The modification is not solely the removal or decommissioning of equipment that is listed in the FMP, and has no associated increase in flare emissions. [District Rule 4311] 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.

37. The anaerobic digester system and its associated piping shall be inspected for leaks at least annually. Any leak detected on the basis of sight, smell, or sound, shall be recorded and a corrective action shall be taken to eliminate the leak. [District Rule 2201] Federally Enforceable Through Title V Permit
38. Records of leak inspections shall contain at least an identification of a person performing an inspection, date and time of the inspection, leak location, and corrective action taken to eliminate leaks. The records shall be maintained, kept, and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
39. The enclosed flare burner and its associated components and the vapor collection system shall be inspected on an annual basis. The records of inspection shall at least contain date and time of inspection, identification of the person performing an inspection, parts replacement and repairs, and all maintenance actions taken. The records shall be kept and maintained for compliance inspection upon request. [40 CFR Part 64] Federally Enforceable Through Title V Permit
40. The permittee shall determine and record the annual facility-wide NO_x and PM₁₀ emissions, based a rolling 12-month period, using the operational records of each permit unit, and all emission calculations as well as each assumption and each process variable used in the respective calculations. The records shall be updated at least monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
41. The permittee shall maintain records of: (1) the name of the sampler, and the date and time of biogas sampling for H₂S, (2) the name of the tester, and the date and time of biogas testing for H₂S, (3) test results showing the biogas concentration (in ppmv) of H₂S. [District Rule 1081] Federally Enforceable Through Title V Permit
42. Permittee shall maintain daily and annual records of quantity of digester gas combusted in the flare, annual test results of higher heating value of digester gas, and daily heat input for the flare. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
43. Permittee shall maintain the following records: a copy of the source testing result conducted pursuant to Section 6.4.2; a copy of the approved flare minimization plan pursuant to Section 6.5; a copy of annual reports submitted to the APCO pursuant to Section 6.2. [District Rule 4311] Federally Enforceable Through Title V Permit
44. Permittee shall maintain records of the following when the flare is used during an emergency: duration of flare operation, amount of gas burned, and the nature of the emergency situation. [District Rule 4311] Federally Enforceable Through Title V Permit
45. Permittee shall maintain a record of continuous flare combustion temperature, continuous volumetric gas flow rate, net heating value of biogas being combusted, daily biogas fuel consumption, and hourly heat input to the flare. [40 CFR Part 64] Federally Enforceable Through Title V Permit
46. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
47. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
48. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
49. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070 and 4311] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-24-2

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE POWDER MILLING OPERATION #3 CONSISTING OF A BAUERMEISTER MODEL UT-53 POWDER MILL SERVED BY A MAC MODEL RTSPCL BAGHOUSE, SURGE HOPPER SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER, AND ASSOCIATED CONVEYING EQUIPMENT

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. 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. Visible emissions from baghouses and bin vent filters shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. Visible emissions from the baghouse/bin vent filter shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once during each day that the baghouse/bin vent filter is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions as expeditiously as possible. Corrective action shall include the following: inspecting the baghouse/bin vent filter for any tears, abrasions, or holes in the filters; inspecting the baghouse/bin vent filter for damage; and repairing or replacing any defective or damaged material. [40 CFR Part 64] Federally Enforceable Through Title V Permit
5. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions from baghouse serving the powder mill shall be calculated as follows: 0.0640 lb-PM10/ton-material-processed x (throughput) ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from bin vent filters serving the surge hopper shall be calculated as follows: 0.0055 lb-PM10/ton-material-processed x (throughput) ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from the baghouse serving the powder mill shall not exceed 0.0640 lb/ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions from the bin vent filter serving the surge hopper shall not exceed 0.0055 lb/ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The quantity of dried lactose processed shall not exceed 96 tons in any one day [District Rule 2201] Federally Enforceable Through Title V Permit
11. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
12. Baghouses and bin vent filters shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The bin vent filter and baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
14. The differential pressure gauge reading shall be between 0.5 and 10 inches of water column during normal baghouse and bin vent filter operation. Baghouse or bin vent filter service is required when the differential pressure is greater than 10 inches water column. After baghouse or bin vent filter service, pressures may be below 0.5 inch water column until sufficient loading of the filter media has occurred. [40 CFR Part 64] Federally Enforceable Through Title V Permit
15. Baghouses and bin vent filters cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Material removed from dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
17. For each type of baghouse and bin vent filter, a spare set of bags and filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
18. During each day the bin vent filter and or baghouse operates, the permittee shall monitor and record the differential pressure from each gauge and compare the reading with the respective permitted range. If the baghouse or bin vent filter differential pressure falls outside the respective permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
19. Records of the bin vent filter and baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
20. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
21. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
22. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
23. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
24. A daily record shall be kept and shall include the date and quantity of material processed. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
25. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-25-5

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE POWDER STORAGE OPERATION CONSISTING OF SIX STORAGE SILOS WITH SILOS #1 AND #2 EACH SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER (1300 CFM EACH), SILOS #3, #4 AND #6 EACH SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER (800 CFM EACH) AND SILO #5 SERVED BY A NU-CON MODEL NCBV-41-25-3TF BIN VENT FILTER (1300 CFM)

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. 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. Bin vent filters shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The bin vent filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the bin vent filters shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. For each type of bin vent filter, a spare set of filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Visible emissions from the bin vent filters shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201] Federally Enforceable Through Title V Permit
8. Bin vent filters shall be equipped with pressure differential gauges to indicate the pressure drop across the filters. The gauges shall be maintained in good working condition at all times and shall be located in easily accessible locations. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading of each bin vent filter shall be between 0 and 10 inches of water column at all times it is in operation. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
11. PM10 emissions from each bin vent filter serving the storage silos shall not exceed 0.0017 gr/dscf. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The quantity of dried lactose conveyed to storage silos #1, #2, #3 and #4 shall not exceed 176 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The quantity of dried lactose conveyed to storage silos #5 and #6 shall not exceed 120 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The permittee shall maintain a daily log of the date and quantity of material received in each silo. [District Rules 1070 and 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.

15. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Differential operating pressure shall be monitored and recorded on each day that the bin vent filters operate. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of all maintenance of the bin vent filters, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-26-2

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

WAREHOUSE VACUUM CLEANING SYSTEM SERVED BY A GARDNER DENVER/INVINCIBLE MODEL TC-78 DUST COLLECTOR

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. 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. Visible emissions from the dust collection system shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
4. Dust collection system shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions shall be calculated as follows: 2 lb-PM10/ton-material-collected x (throughput) ton-material-collected. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from the dust collector serving the warehouse vacuum cleaning system shall not exceed 2 lb-PM10/ton-material-collected. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Quantity of material collected with the vacuum system shall not exceed 400 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
10. Filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Cleaning frequency and duration of the filters for the dust collection system shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Material removed from dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
13. For each type of filter, a spare set of filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
14. A daily record shall be kept and shall include the date and quantity of material collected. [District Rules 1070 and 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.

15. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-28-3

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

WHEY PROTEIN DRYING OPERATION CONSISTING OF A NIRO MODEL ES-2249 SPRAY DRYER WITH A 6.7 MMBTU/HR ECLIPSE MINNOX BURNER AND A NIRO MODEL BF-R-14-135 BAGHOUSE

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. 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. Visible emissions from the baghouse serving the whey protein drying operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All ducting and control equipment shall be in good working order to prevent fugitive particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
6. All filters shall be properly maintained and must be in place during operation of the dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
7. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The baghouse shall operate at all times with a minimum differential pressure of 1 inch water column and a maximum differential pressure of 19 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
12. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Emissions from the drier 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, 400 ppmvd CO @ 3% O2 or 0.3 lb-CO/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4354] 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.

15. The PM10 emissions from the whey protein collection operation shall not exceed 0.23 lb/ton of finished whey protein processed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The amount of whey protein processed shall not exceed 13.0 tons of finished product in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
19. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
20. 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
21. 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
22. 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
23. 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 District Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
24. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
25. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
26. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
27. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
28. 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 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
29. 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, 4306 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

30. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
31. 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, 4306 and 4320] Federally Enforceable Through Title V Permit
32. 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, 4306 and 4320] Federally Enforceable Through Title V Permit
33. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
34. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
35. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
36. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
37. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
38. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
39. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
40. The permittee shall keep daily records of the amount of finished whey protein processed. [District Rule 2201] Federally Enforceable Through Title V Permit
41. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-30-3

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

50.2 MMBTU/HR SUPERIOR MODEL 8-X-6000-S200-M BOILER EQUIPPED WITH A URS CORPORATION MODEL RMBF-50-G BURNER SERVED BY A HALDOR TOPSOE INC SELECTIVE CATALYTIC REDUCTION SYSTEM (BOILER #6)

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. 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. Non-resettable, totalizing mass or volumetric fuel flow meters to measure the amount of natural gas and the amount of biogas combusted installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Only PUC-quality natural gas, biogas or a combination of PUC-quality natural gas and biogas shall be burned in this boiler. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
5. The facility-wide NO_x emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM₁₀ emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. NO_x emissions shall not exceed 5 ppmvd @ 3% O₂ referenced as NO₂. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
8. CO emissions shall not exceed 50 ppmvd @ 3% O₂. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
9. VOC emissions shall not exceed 10 ppmvd @ 3% O₂, as methane. [District Rule 2201] Federally Enforceable Through Title V Permit
10. SO_x emissions shall not exceed 0.00285 lb/MMBtu while using the PUC-regulated natural gas fuel. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The sulfur content of the biogas (as H₂S) shall not exceed 26 ppmv. [District Rule 2201] Federally Enforceable Through Title V Permit
12. PM₁₀ emissions shall not exceed 0.0060 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Ammonia (NH₃) emissions shall not exceed 10 ppmvd @ 3% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The ammonia injection into the SCR system shall occur once the minimum temperature at the catalyst face has been reached to ensure NO_x emission reductions can occur with a reasonable level of ammonia slip. The minimum catalyst face temperature shall be 280 degrees Fahrenheit. [40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The SCR system shall be equipped with a continuous temperature monitoring system to measure and record the temperature at the catalyst face. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
16. Within 60 days of issuance date on this permit, the owner or operator shall establish minimum ammonia injection rate (pounds per hour) into the SCR system per manufacturer's recommendation. The ammonia injection rate may be administratively revised should source testing determines that another value is more appropriate than the previously established ammonia injection rate. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. During each day that the boiler operates, the permittee shall monitor and record the ammonia injection rate (pounds per hour) into the SCR system and compare the reading with the minimum ammonia injection rate established in the permit. If the ammonia injection rate falls below the minimum ammonia injection rate established in the permit, the permittee shall take all necessary steps to return the ammonia injection rate to the minimum permitted level as soon as possible, but no longer than 1 hour after detection. If the ammonia injection rate cannot be returned to the minimum ammonia injection rate established in the permit within 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. 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 Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
19. The hydrogen sulfide concentration of the biogas shall be determined at least once every 120 days. Once three consecutive 120 day tests show compliance with the fuel H₂S limit, the testing frequency may be reduced to annually. If an annual test shows a violation of the permitted H₂S concentration limit, the testing frequency shall increase to once every 120 days until three consecutive 120 day tests show compliance. At that time, testing may return to annually. The testing shall be conducted by an independent testing laboratory and shall be performed using one of the following methods: EPA Method 11, EPA Method 15, ASTM Method D1072, D3031, D4084, D3246, or D5504. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
20. At least once every two weeks, the facility shall test the biogas to demonstrate compliance with the permitted hydrogen sulfide concentration limit using properly calibrated gas chromatograph equipment. Once 12 consecutive biweekly tests show compliance, the testing frequency may be reduced to monthly. If a subsequent test shows a violation of the permitted hydrogen sulfide concentration limit then biweekly testing shall resume and continue until 12 consecutive tests show compliance. Once compliance is shown on 12 consecutive biweekly tests, the testing frequency may return to monthly. It is not necessary for the facility to perform gas chromatograph testing during the week in which either the 120-day or annual laboratory testing is performed. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
21. The gas chromatograph equipment used for the biweekly testing shall be calibrated according to the manufacturer's recommendations. Records of the gas chromatograph equipment calibration shall be kept and shall be made available for District inspection upon request. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
22. Biogas sampling shall be conducted using the methods and procedures approved by the District. The District shall be notified each time the biogas sampling frequency changes. [District Rule 1081] Federally Enforceable Through Title V Permit
23. Source testing to determine compliance with the NO_x, CO and NH₃ limits of this permit shall be conducted at least once every 12 months using natural gas fuel. After demonstrating compliance on two consecutive annual source tests, the unit shall not be tested less than once every 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 12 months. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Within 60 days after first firing the unit on biogas or a blend of natural gas and biogas, the permittee shall conduct a source test to determine compliance with the NO_x, CO, NH₃ and PM₁₀ emission limits in this permit. Biogas heat input rate during the source test shall be at least 20% of the total heat input to the boiler. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
25. Source testing to determine compliance with the NO_x, CO and NH₃ limits of this permit shall be conducted at least once every 12 months using combination of biogas and natural gas fuel. Biogas heat input rate shall be at least 20% of the total heat input rate to the boiler during the source test. After demonstrating compliance on two consecutive annual source tests, the unit shall not be tested less than once every 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 12 months. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
26. 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
27. 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
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. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
30. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
31. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
32. NH₃ emissions for source test purposes shall be determined using BAAQMD method ST-1B. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
33. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
34. Source testing to measure PM₁₀ shall be conducted using either: EPA Method 201 or 201A, and 202; or CARB Method 5 in combination with 501. Other methods may be utilized provided previous written District approval is obtained. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
35. 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 provided the results include both the filterable and condensable (back half) particulate, and that all particulate matter is assumed to be PM₁₀. Source testing to measure concentrations of total particulate emissions shall be conducted using EPA method 5. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
36. 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 1081, 4305, 4306 and 4320] 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.

37. The permittee shall monitor and record the stack concentration of NO_x, CO, NH₃ and O₂ on combination of natural gas and biogas fuel and on natural gas fuel alone at least once during each month. Monitoring is not required during the month in which the source test is performed. The monitoring shall be performed NO_x, CO and O₂ monitoring shall be conducted utilizing a portable analyzer that meets District specifications. NH₃ monitoring shall be conducted utilizing Draeger tubes or a District approved equivalent method at the time NO_x, CO and O₂ readings are taken. 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 it has been performed within the last month. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
38. If the NO_x, CO or NH₃ concentrations, as measured by the portable analyzer and District approved ammonia monitoring equipment, exceed the permitted emission levels, 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 or ammonia monitoring equipment show that emissions continue to exceed the allowable levels after 1 hour of operation following 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, 4306 and 4320] Federally Enforceable Through Title V Permit
39. All alternate monitoring parameter emission readings shall be taken with the units 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
40. The permittee shall maintain records of: (1) permit number of the unit(s) operating during monitoring, (2) fuel type, (3) the date and time of NO_x, CO, NH₃ and O₂ measurements, (4) the O₂ concentration in percent and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (5) make and model of exhaust gas analyzer, (6) exhaust gas analyzer calibration records, (7) the method of determining the NH₃ emission concentration, and (8) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
41. The permittee shall maintain records of: (1) the name of the sampler, and the date and time of biogas sampling for H₂S, (2) the name of the tester, and the date and time of biogas testing for H₂S, (3) test results showing the biogas concentration (in ppmv) of H₂S. [District Rule 1081] Federally Enforceable Through Title V Permit
42. Permittee shall determine sulfur content of natural gas annually or shall demonstrate that it was provided by a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
43. Permittee shall maintain records of the amount of each type of fuel combusted during each calendar month. [40 CFR Part 60.48c(g)(2)] Federally Enforceable Through Title V Permit
44. Permittee shall maintain records of the amount of each fuel combusted during each calendar year. The records shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
45. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
46. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
47. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR Part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

48. The permittee shall comply with the record keeping and reporting requirements of 40 CFR Part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
49. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
50. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-35-3

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

SALT RECEIVING OPERATION IN ONE 21,430 GALLON (APPROX. 25' 4" HIGH, 12' DIAMETER) ABOVE GROUND BRINE TANK SERVED BY A FABRIC SOCK FILTER

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. 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. Visible emissions from the sock filter shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201] Federally Enforceable Through Title V Permit
4. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the sock filter shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. A spare sock filter shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The amount of salt received shall not exceed 30 tons during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions shall not exceed 0.00034 pounds per ton of salt received. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
10. The permittee shall maintain a daily record of the date and amount of salt received. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The sock filter shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The permittee shall maintain records of the sock filter maintenance, inspections and repair. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-36-2

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

619 BHP PERKINS MODEL 2206D-E13TAG3 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
5. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.74 g-NOx/bhp-hr, 1.79 g-CO/bhp-hr, or 0.14 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.107 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 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.

12. 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 Rules 4701 and 4702] Federally Enforceable Through Title V Permit
13. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-37-1

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

389 BHP IVECO/FPT MODEL F2CE9685A-E TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
5. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.47 g-NOx/bhp-hr, 0.4 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.10 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 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.

12. 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 Rules 4701 and 4702] Federally Enforceable Through Title V Permit
13. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

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ATTACHMENT B

Previous Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: N-1275-0-1

EXPIRATION DATE: 09/30/2017

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repack, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed 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, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. On January 31, 2013, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-2-8

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

25.1 MMBTU/HR CLEAVER-BROOKS BOILER (S/N L-86827) WITH A NATCOM PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE-GAS RECIRCULATION SYSTEM (BOILER #1)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. The facility-wide NO_x emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM₁₀ emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NO_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 50 ppmvd CO @ 3% O₂ or 0.037 lb-CO/MMBtu, or 0.012 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
9. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
10. Source testing to measure NO_x and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
11. 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
12. 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
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: HILMAR CHEESE COMPANY

Location: 9001 N LANDER AVE, HILMAR, CA 95324

N-1275-2-8 Aug 8 2017 11:37AM - KAHLONJ

14. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
15. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
19. 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 1081, 4305, 4306, and 4320] 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, 4306, and 4320] 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] 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, 4306, and 4320] 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, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)]
Federally Enforceable Through Title V Permit
26. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
27. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351]
Federally Enforceable Through Title V Permit
28. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
29. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-4-9

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

25.1 MMBTU/HR CLEAVER-BROOKS MODEL CB-200-600 BOILER (S/N L90961) WITH A NATCOM PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE GAS RECIRCULATION SYSTEM (BOILER #3)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. The facility-wide NO_x emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM₁₀ emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NO_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 50 ppmvd CO @ 3% O₂ or 0.037 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
9. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
10. Source testing to measure NO_x and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
11. 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
12. 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
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
15. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
19. 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 1081, 4305, 4306, and 4320] 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, 4306, and 4320] 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] 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, 4306, and 4320] 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, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
26. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
27. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
28. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
29. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-5-8

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

STEAM-OPERATED VIBRO-FLUIDIZER DRYER SERVED BY A NIRO HUDSON INC CYCLONE VENTED TO AN AMERICAN AIR FILTER MODEL MILLENIUM SIZE 14-336-6304 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse serving the lactose drying process shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from the baghouse serving the dried lactose process system shall not exceed 0.04 pounds per ton of dried lactose produced. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The amount of dried lactose produced shall not exceed 120 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions shall be calculated as follows: 0.04 lb/ton-lactose-produced x ton-lactose-produced. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
9. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The differential pressure gauge reading shall be between 2 and 8 inches of water column during normal baghouse operation. Baghouse service is required when the differential pressure is greater than 8 inches water column. After baghouse service, pressures may be below 2 inches water column until sufficient loading of the filter media has occurred. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Replacement bags numbering at least 10% of the total number of bags shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Differential operating pressure (inches of water column gauge) shall be monitored and recorded on each day that the baghouse operates. [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. Records of all maintenance of the baghouse, including all change outs of bags or filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The permittee shall keep records of date and quantity of lactose produced. [District Rule 2201] Federally Enforceable Through Title V Permit
16. A record of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The record shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained for a minimum of five years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-6-3

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

125 HP BAUERMEISTER MODEL #UT53 HAMMERMILL AND MODEL 3 CLASSIFIER SERVED BY MAC MODEL #96LRT80 STYLE III BAGHOUSE (SHARED WITH LACTOSE POWDER RECEIVER)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from baghouses shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions shall be calculated as follows: 0.0442 lb-PM10/ton-lactose-processed x (throughput) ton-lactose-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The quantity of dried lactose processed through the lactose grinding and receiving system shall not exceed 96 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from the baghouse serving the hammermill and classifier shall not exceed 0.0442 lb/ton-dried-lactose. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
10. Baghouses shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Baghouses shall be equipped with pressure differential gauges to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collection system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. For each type of baghouse, a spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The record shall be updated at least monthly. [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.

16. All records shall be retained for a minimum of 5 years and made available for District inspection upon request.
[District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

Facility Name: HILMAR CHEESE COMPANY

Location: 9001 N LANDER AVE, HILMAR, CA 95324

N-1275-6-3 : Aug 8 2017 11:37AM - KAHLONJ

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-7-4

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE POWDER BAGGING SYSTEM SERVED BY A DCE MODEL C72-RK15AD DUST COLLECTOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from dust collection system shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
5. Dust collection system shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from this permit shall be calculated as follows: 0.0024 lb-PM10/ton-lactose-processed x (throughput) ton-lactose-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from the dust collector system serving the lactose powder bagging system shall not exceed 0.0024 lb/ton of dried lactose. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The quantity of dried lactose processed through the bagging system shall not exceed 330 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
11. Filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Dust collection cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collector system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. For each type of filter, a spare set of filters shall be maintained on the premises at all times. [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.

15. A daily record shall be kept and shall include the date and quantity of lactose processed. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-9-7

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

25.1 MMBTU/HR CLEAVER BROOKS MODEL CBLE 700-600-2005 BOILER (S/N OLO94841) WITH A NATCOM MODEL PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE GAS RECIRCULATION SYSTEM (BOILER #2)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. The facility-wide NO_x emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM₁₀ emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NO_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 50 ppmvd CO @ 3% O₂ or 0.037 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
9. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
10. Source testing to measure NO_x and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
11. 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
12. 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
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
15. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
19. 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 1081, 4305, 4306, and 4320] 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, 4306, and 4320] 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] 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, 4306, and 4320] 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, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
26. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
27. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
28. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
29. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-12-5

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

ONE SINGLE STAGE MARRIOT-WALKER SPRAY DRIER WITH A 20.7 MMBTU/HR MAXON BURNER SERVED BY A WALKER STAINLESS EQUIPMENT BAGHOUSE AND A FISHER-KLOSTERMAN SCRUBBER

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from the baghouses serving the milk dryer shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. 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]
6. The spray drier shall only be fired on PUC-quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
9. NOx emissions shall be calculated as follows: $0.0377 \text{ lb/MMBtu} \times (\text{fuel usage}) \text{ MMscf} \times 1,000 \text{ MMBtu/MMscf}$. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions shall be calculated as follows: $0.227 \text{ lb/ton-finished-product-processed} \times (\text{throughput}) \text{ ton-finished-product-processed}$. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The NOx emissions shall not exceed 0.0377 lb/MMBtu (equivalent to 3.3 ppmvd @ 19% O2). [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
12. The CO emissions shall not exceed 0.2924 lb/MMBtu (equivalent to 42 ppmvd @ 19% O2). [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
13. The VOC emissions shall not exceed 0.004 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The SOx emissions shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The finished product throughput shall not exceed 37.4 tons during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

16. The PM10 emissions shall not exceed 0.227 lb PM10 per ton of finished product throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
19. Source testing to measure NOx and CO emissions from the drier shall be conducted at least once every 24 months. [District Rule 4309] Federally Enforceable Through Title V Permit
20. 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
21. 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
22. 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
23. All emissions measurements shall be made with the unit(s) 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 Rule 4309. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
24. All source test results shall be reported in ppmvd @ 19% O2 or no correction if the stack O2 content is greater than 19%. [District Rule 4309] Federally Enforceable Through Title V Permit
25. NOx 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 1081 and 4309] Federally Enforceable Through Title V Permit
26. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
27. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
28. Stack gas velocities shall be determined utilizing EPA Method 2. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
29. Stack Moisture Content shall be determined utilizing EPA Method 4 [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
30. 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 1081 and 4309] Federally Enforceable Through Title V Permit
31. 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 Rule 4309] 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.

32. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% 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 performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
33. 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 Rule 4309] Federally Enforceable Through Title V Permit
34. 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 19% O₂ (or no correction if measured above 19% 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 4309] Federally Enforceable Through Title V Permit
35. The scrubber and the scrubber fluid shall be maintained such that the scrubber provides at least 90% control of the PM₁₀ emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
36. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
37. The baghouse shall operate at all times with a minimum differential pressure of 1 inch of water column and a maximum differential pressure of 10 inches of water column. [District Rule 2201] Federally Enforceable Through Title V Permit
38. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
39. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
40. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
41. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Differential operating pressure of the baghouse shall be monitored and recorded on each day that it operates. [District Rule 2201]
43. Monthly records of the total hours of operation and of the type and quantity of fuel used shall be kept. [District Rule 4309] Federally Enforceable Through Title V Permit
44. A daily record shall be maintained and shall include the date, amount of fuel used and the tons of finished product processed. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
45. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
46. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-14-4

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE DRYING OPERATION WITH A NIRO-HUDSON FLUID BED DRYER SERVED BY A NIRO MODEL #235145 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. For each type of baghouse, a spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Visible emissions from the baghouse serving the lactose drying operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading shall be between 2 and 10 inches of water column at all times the baghouse is in operation. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
11. PM10 emissions shall be calculated as follows: 0.0034 lb-PM10/ton-material-processed x (throughput) ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The quantity of material processed by the dryer shall not exceed 176 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The PM10 emissions from baghouse serving the lactose drier shall not exceed 0.0034 pounds per ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
14. A daily record shall be maintained and shall include the date and quantity of material processed. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
15. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [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.

16. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-15-2

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE MILLING OPERATION WITH A BAUERMEISTER, INC. MODEL UT-53 HAMMERMILL, SERVED BY A MAC MODEL 96 LRT 80 STYLE III BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from dust collection system shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201] Federally Enforceable Through Title V Permit
5. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions shall be calculated as follows: $0.0442 \text{ lb-PM10/ton-material-processed} \times (\text{throughput}) \text{ ton-material-processed}$. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from the baghouse serving the hammermill shall not exceed 0.0442 lb/ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The quantity material processed through the bagging system shall not exceed 96 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30 \text{ tph}$) or $E=17.31P^{0.16}$ ($P > 30 \text{ tph}$). [District Rule 4202] Federally Enforceable Through Title V Permit
10. The baghouses shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The baghouses shall be equipped with pressure differential gauges to indicate the pressure drops across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collection system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. For each type of baghouse, a spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
15. A daily log shall be maintained and shall include the date and quantity of material processed. [District Rules 1070 and 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.

16. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-16-5

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

WHEY PROTEIN BAGGING OPERATION SERVED BY A DCE MODEL C-72-55 BAGHOUSE AND A DONALDSON COMPANY MODEL DLMC1/4/15 BAGHOUSE

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. 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. Visible emissions from each baghouse serving the whey protein bagging operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions shall be calculated as follows: $0.033 \text{ lb-PM10/ton-material-processed} \times (\text{throughput}) \text{ ton-material-processed}$. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The total PM10 emissions from the baghouses serving the whey protein bagging operation shall not exceed 0.033 pounds per ton of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The quantity of material processed through the whey protein bagging operation shall not exceed 73.4 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
9. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The differential pressure, as indicated by the pressure differential gauge associated with each baghouse, shall stay within the range of 0.1 to 5 inches of water column. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Each baghouse's cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from each baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [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 daily record shall be kept and shall include the date and quantity of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Differential operating pressure for each baghouse shall be monitored and recorded each day the whey protein bagging process operates. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of all maintenance on each baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-17-3

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

PROTEIN DRYING OPERATION CONSISTING OF AN INDIRECT NATURAL GAS-FIRED EXOTHERMICS ES-2465 PROCESS HEATER EQUIPPED WITH A 17.0 MMBTU/HR ECLIPSE INC. MINNOX 4250 CCS-T/C-SP LOW-NOX BURNER WITH FLUE GAS RECIRCULATION. EMISSIONS FROM THE HANDLING OF DRIED PROTEIN ARE CONTROLLED BY A NIRO MODEL 235-14-5 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from the exhaust of the baghouse serving the protein drying operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. All ducting and control equipment shall be in good working order to prevent fugitive particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All filters shall be properly maintained and must be in place during operation of the protein dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Replacement filters numbering at least 10% of the total number of filters in the largest dust collector using each type of filter shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The baghouse shall operate at all times with a minimum differential pressure of 1 inch water column and a maximum differential pressure of 10 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Dust collector exhaust fan(s) shall be switched on prior to the start-up of the protein dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
13. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
14. This unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] 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.

15. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Emissions from the process heater 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, 125 ppmvd CO @ 3 % O2 or 0.092 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. The quantity of finished protein processed shall not exceed 36 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
19. PM10 emissions from the exhaust of the baghouse serving the protein drying operation shall not exceed 0.233 pound per ton of finished protein processed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
22. Source testing to measure NOx and CO emissions from the process heater shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
23. 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
24. 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
25. 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
26. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
27. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
28. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
29. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
30. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
31. 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 1081, 4305, 4306, and 4320] 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.

32. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
33. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
34. 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
35. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
36. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
37. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
38. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
39. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
40. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
41. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
43. Permittee shall keep a daily record of the quantity of finished protein processed. [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.

44. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-18-4

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

33.6 MMBTU/HR NATURAL GAS FIRED CLEAVER-BROOKS MODEL CEW 700-800 BOILER WITH AN ALZETA MODEL V504-G ULTRA LOW-NOX BURNER (BOILER #4)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
9. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
10. Source testing to measure NOx and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
11. 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
12. 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
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
15. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
19. 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 1081, 4305, 4306, 4320 and 4351] 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, 4306, and 4320] 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] 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, 4306, and 4320] 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, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
26. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
27. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
28. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
29. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-22-3

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

50.4 MMBTU/HR NATURAL GAS FIRED CLEAVER BROOKS MODEL CBL-700-1200-200 BOILER WITH A PROFIRE NT BURNER, A FLUE GAS RECIRCULATION SYSTEM AND AN O2 CONTROLLER (BOILER #5)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the boiler shall not exceed any of the following limits: 7 ppmvd NOx @ 3% O2 or 0.008 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd CO @ 3% O2 or 0.037 lb-CO/MMBtu, or 0.005 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
9. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
10. Source testing to measure NOx and CO emissions from the boiler shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
11. 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
12. 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
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
15. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. NOx 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
18. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
19. 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
20. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
21. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] 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, 4306, and 4320] Federally Enforceable Through Title V Permit
23. 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, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
26. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
27. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rule 4351] Federally Enforceable Through Title V Permit
28. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated on a monthly basis. [District Rule 2201] Federally Enforceable Through Title V Permit
29. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-23-8

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

2.5 MILLION GALLON PER DAY CHEESE WASTEWATER SYSTEM WITH TWO ANAEROBIC DIGESTERS SERVED BY TWO CEILCOTE SPT-18-144 WET SCRUBBERS AND 625 CFM VAREC MODEL 244E ENCLOSED FLARE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Visible emissions from the flare serving the anaerobic digesters shall not equal or exceed Ringelmann 1/4 or 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 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. The anaerobic digester system and its associated piping shall be maintained leak free. [District Rule 2201] Federally Enforceable Through Title V Permit
5. This flare shall only be fired on biogas collected from the anaerobic digester system. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide NO_x emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM₁₀ emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The flare heat input shall not exceed 608.7 MMBtu/day. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
9. Emissions from the flare shall not exceed any of the following limits: 0.06 lb-NO_x/MMBtu (as NO₂); 0.02 lb-PM₁₀/MMBtu; 0.30 lb-CO/MMBtu; or 0.002 lb-VOC/MMBtu (as methane). [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
10. The sulfur content of the biogas being incinerated by the flare shall not exceed 14 ppmv (as H₂S). [District Rule 2201] Federally Enforceable Through Title V Permit
11. Source testing to measure NO_x, CO and VOC emissions from the digester-fired flare shall be conducted at least once every twelve (12) months. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
12. For source test purposes, NO_x emissions from the flare shall be determined using EPA Method 19 on a heat input basis, or EPA Method 3A, EPA Method 7E, or ARB Method 100 on a ppmv basis. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
13. For source test purposes, CO emissions from the flare shall be determined using EPA Method 10 or 10B, ARB Methods 1 through 5 with 10, or ARB Method 100. [District Rule 2201] Federally Enforceable Through Title V Permit
14. For source test purposes, VOC emissions from the flare shall be determined using EPA Method 18 or 25 or 25a. [District Rules 2201 and 4311] 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.

15. Stack gas oxygen (O₂) shall be determined using EPA Method 3A, EPA Method 7E, or ARB Method 100. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
16. 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 Rules 1081 and 4311] Federally Enforceable Through Title V Permit
17. The results of each source test shall be submitted to the District within 45 days thereafter. [District Rules 1081 and 4311] Federally Enforceable Through Title V Permit
18. Operator shall determine digester gas fuel higher heating value annually by ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Sampling ports for biogas testing shall be provided in accordance with District requirements. [District Rule 1081] Federally Enforceable Through Title V Permit
20. At least once every 120 days, the hydrogen sulfide concentration of the biogas shall be determined by an independent, certified laboratory using one of the following test methods: EPA Method 11, EPA Method 15, ASTM Method D1072, D3031, D4084, D3246, or D5504. Once three consecutive 120-day laboratory tests show compliance with the permitted hydrogen sulfide concentration limit, the laboratory testing frequency may be reduced to annually. If a subsequent annual laboratory test shows a violation of the permitted hydrogen sulfide concentration limit then 120-day laboratory testing shall resume and continue until three consecutive 120-day laboratory tests show compliance. Once compliance is shown on three consecutive 120-day laboratory tests, the laboratory testing frequency may return to annually. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
21. At least once every two weeks, the facility shall test the biogas to demonstrate compliance with the permitted hydrogen sulfide concentration limit using a properly calibrated gas chromatograph. Once 12 consecutive biweekly tests show compliance, the testing frequency may be reduced to monthly. If a subsequent test shows a violation of the permitted hydrogen sulfide concentration limit then biweekly testing shall resume and continue until 12 consecutive tests show compliance. Once compliance is shown on 12 consecutive biweekly tests, the testing frequency may return to monthly. It is not necessary for the facility to perform gas chromatograph testing during the week in which either the 120-day or annual laboratory testing is performed. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
22. The gas chromatograph used for the biweekly testing shall be calibrated according to the manufacturer's recommendations. Records of the gas chromatograph equipment calibration shall be kept and shall be made available for District inspection upon request. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
23. Biogas sampling shall be conducted using the methods and procedures approved by the District. The District shall be notified each time the biogas sampling frequency changes. [District Rule 1081] Federally Enforceable Through Title V Permit
24. A flame shall be present at all times when combustible gases are vented through the flare. [District Rule 4311] Federally Enforceable Through Title V Permit
25. Flare outlet shall be equipped with an automatic ignition system, or, shall operate with a pilot flame present at all times when combustible gases are vented through the flare, except during purge periods for automatic-ignition equipped flares. [District Rule 4311] Federally Enforceable Through Title V Permit
26. Flare shall be equipped with a heat sensing device such as a thermocouple, ultraviolet beam sensor, infrared sensor, or an equivalent device capable of continuously detecting at least one pilot flame or the flare flame is present. The flame detection device shall be kept operational at all times except during flare maintenance when the flare is isolated from gas flow. During essential planned power outages when the flare is operating, the pilot monitor is allowed to be non-functional if the flare flame is clearly visible to onsite operators. All pilot monitor downtime shall be reported annually pursuant to Rule 4311, Section 6.2.3.6. [District Rule 4311] Federally Enforceable Through Title V Permit
27. If the flare uses a flow-sensing automatic ignition system and does not use a continuous flame pilot, the flare shall use purge gas for purging. [District Rule 4311] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

28. Flaring is prohibited unless it is consistent with an approved flare minimization plan (FMP), pursuant to Section 6.5, and all commitments listed in that plan have been met. This standard does not apply if the APCO determines that the flaring is caused by an emergency as defined by Section 3.7 and is necessary to prevent an accident, hazard or release of vent gas directly to the atmosphere. [District Rule 4311] Federally Enforceable Through Title V Permit
29. The operator shall monitor and record the vent gas flow to the flare with a flow measuring device or other parameters as specified in the Permit to Operate. [District Rule 4311] Federally Enforceable Through Title V Permit
30. The operator of a flare subject to flare minimization plans pursuant to Section 5.8 of this rule shall notify the APCO of an unplanned flaring event within 24 hours after the start of the next business day or within 24 hours of their discovery, whichever occurs first. The notification shall include the flare source identification, the start date and time, and the end date and time. [District Rule 4311] Federally Enforceable Through Title V Permit
31. The operator of a flare subject to flare minimization plans pursuant to Section 5.8 shall submit an annual report to the APCO that summarizes all Reportable Flaring Events as defined in Section 3.0 that occurred during the previous 12 month period. The report shall be submitted within 30 days following the end of the twelve month period of the previous year. The report shall include, but is not limited to all of the following: the results of an investigation to determine the primary cause and contributing factors of the flaring event; any prevention measures considered or implemented to prevent recurrence together with a justification for rejecting any measures that were considered but not implemented; if appropriate, an explanation of why the flaring was an emergency and necessary to prevent accident, hazard or release of vent gas to the atmosphere, or where, due to a regulatory mandate to vent a flare, it cannot be recovered, treated and used as a fuel gas at the facility; and the date, time, and duration of the flaring event. [District Rule 4311] Federally Enforceable Through Title V Permit
32. The operator of a flare subject to flare monitoring requirements pursuant to Section 5.10 shall submit an annual report to the APCO within 30 days following the end of each 12 month period. The report shall include the following: the total volumetric flow of vent gas in standard cubic feet for each day; if the flow monitor used pursuant to Section 5.10 measures molecular weight, the average molecular weight for each hour of each month; a flow verification report which shall include flow verification testing pursuant to Section 6.3.5. [District Rule 4311] Federally Enforceable Through Title V Permit
33. For purposes of the flow verification report required by Section 6.2.3.8, vent gas flow shall be determined using one or more of the following methods, or by any alternative method approved by the APCO, ARB, and EPA: EPA Methods 1 and 2; a verification method recommended by the manufacturer of the flow monitoring equipment installed pursuant to Section 5.10; tracer gas dilution or velocity; other flow monitors or process monitors that can provide comparison data on a vent stream that is being directed past the ultrasonic flow meter. [District Rule 4311] Federally Enforceable Through Title V Permit
34. Every five years after the initial FMP submittal, the operator shall submit an updated FMP for each flare to the APCO for approval. The current FMP shall remain in effect until the updated FMP is approved by the APCO. If the operator fails to submit an updated FMP as required by this section, the existing FMP shall no longer be considered an approved plan. [District Rule 4311] Federally Enforceable Through Title V Permit
35. An updated FMP shall be submitted by the operator pursuant to Section 6.5 addressing new or modified equipment, prior to installing the equipment. Updated FMP submittals are only required if: (1) The equipment change would require an authority to construct (ATC) and would impact the emissions from the flare, and (2) The ATC is deemed complete after June 18, 2009, and (3) The modification is not solely the removal or decommissioning of equipment that is listed in the FMP, and has no associated increase in flare emissions. [District Rule 4311] Federally Enforceable Through Title V Permit
36. The anaerobic digester system and its associated piping shall be inspected for leaks at least annually. Any leak detected on the basis of sight, smell, or sound, shall be recorded and a corrective action shall be taken to eliminate the leak. [District Rule 2201] Federally Enforceable Through Title V Permit
37. Records of leak inspections shall contain at least an identification of a person performing an inspection, date and time of the inspection, leak location, and corrective action taken to eliminate leaks. The records shall be maintained, kept, and made available for District inspection upon request. [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.

38. The permittee shall determine and record the annual facility-wide NOx and PM10 emissions, based a rolling 12-month period, using the operational records of each permit unit, and all emission calculations as well as each assumption and each process variable used in the respective calculations. The records shall be updated at least monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
39. The permittee shall maintain records of: (1) the name of the sampler, and the date and time of biogas sampling for H2S, (2) the name of the tester, and the date and time of biogas testing for H2S, (3) test results showing the biogas concentration (in ppmv) of H2S. [District Rule 1081] Federally Enforceable Through Title V Permit
40. Permittee shall maintain daily and annual records of quantity of digester gas combusted in the flare, annual test results of higher heating value of digester gas, and daily heat input for the flare. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
41. Permittee shall maintain the following records: a copy of the source testing result conducted pursuant to Section 6.4.2; a copy of the approved flare minimization plan pursuant to Section 6.5; a copy of annual reports submitted to the APCO pursuant to Section 6.2. [District Rule 4311] Federally Enforceable Through Title V Permit
42. Permittee shall maintain records of the following when the flare is used during an emergency: duration of flare operation, amount of gas burned, and the nature of the emergency situation. [District Rule 4311] Federally Enforceable Through Title V Permit
43. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070 and 4311] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-24-1

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE POWDER MILLING OPERATION #3 CONSISTING OF A BAUERMEISTER MODEL UT-53 POWDER MILL SERVED BY A MAC MODEL RTSPCL BAGHOUSE, SURGE HOPPER SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER, AND ASSOCIATED CONVEYING EQUIPMENT

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from baghouses and bin vent filters shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
5. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions from baghouse serving the powder mill shall be calculated as follows: 0.0640 lb-PM10/ton-material-processed x (throughput) ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from bin vent filters serving the surge hopper shall be calculated as follows: 0.0055 lb-PM10/ton-material-processed x (throughput) ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from the baghouse serving the powder mill shall not exceed 0.0640 lb/ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions from the bin vent filter serving the surge hopper shall not exceed 0.0055 lb/ton-material-processed. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The quantity of dried lactose processed shall not exceed 96 tons in any one day [District Rule 2201] Federally Enforceable Through Title V Permit
11. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
12. Bin vent filters and baghouses shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Bin vent filters and baghouses shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [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. Bin vent filters and baghouses cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Material removed from dust dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. For each type of bin vent filter and baghouse, a spare set of bags and filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
18. A daily record shall be kept and shall include the date and quantity of material processed. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-25-4

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

LACTOSE POWDER STORAGE OPERATION CONSISTING OF SIX STORAGE SILOS WITH SILOS #1 AND #2 EACH SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER (1300 CFM EACH), SILOS #3, #4 AND #6 EACH SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER (800 CFM EACH) AND SILO #5 SERVED BY A NU-CON MODEL NCBV-41-25-3TF BIN VENT FILTER (1300 CFM)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Bin vent filters shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The bin vent filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from the bin vent filters shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. For each type of bin vent filter, a spare set of filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Visible emissions from the bin vent filters shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201] Federally Enforceable Through Title V Permit
9. Bin vent filters shall be equipped with pressure differential gauges to indicate the pressure drop across the filters. The gauges shall be maintained in good working condition at all times and shall be located in easily accessible locations. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The differential pressure gauge reading of each bin vent filter shall be between 0 and 10 inches of water column at all times it is in operation. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
12. PM10 emissions from each bin vent filter serving the storage silos shall not exceed 0.0017 gr/dscf. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The quantity of dried lactose conveyed to storage silos #1, #2, #3 and #4 shall not exceed 176 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The quantity of dried lactose conveyed to storage silos #5 and #6 shall not exceed 120 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The permittee shall maintain a daily log of the date and quantity of material received in each silo. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Differential operating pressure shall be monitored and recorded on each day that the bin vent filters operate. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records of all maintenance of the bin vent filters, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-26-1

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

WAREHOUSE VACUUM CLEANING SYSTEM SERVED BY A GARDNER DENVER/INVINCIBLE MODEL TC-78 DUST COLLECTOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from the dust collection system shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
5. Dust collection system shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions shall be calculated as follows: 2 lb-PM10/ton-material-collected x (throughput) ton-material-collected. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions from the dust collector serving the warehouse vacuum cleaning system shall not exceed 2 lb-PM10/ton-material-collected. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Quantity of material collected with the vacuum system shall not exceed 400 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
11. Filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Cleaning frequency and duration of the filters for the dust collection system shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. For each type of filter, a spare set of filters shall be maintained on the premises at all times. [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.

15. A daily record shall be kept and shall include the date and quantity of material collected. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-28-1

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

WHEY PROTEIN DRYING OPERATION CONSISTING OF A NIRO MODEL ES-2249 SPRAY DRYER WITH A 6.7 MMBTU/HR ECLIPSE MINNOX BURNER AND A NIRO MODEL BF-R-14-135 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from the baghouse serving the whey protein drying operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. All ducting and control equipment shall be in good working order to prevent fugitive particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All filters shall be properly maintained and must be in place during operation of the dryer. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The baghouse shall operate at all times with a minimum differential pressure of 1 inch water column and a maximum differential pressure of 19 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
13. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [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.

15. Emissions from the drier shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 400 ppmvd CO @ 3% O₂ or 0.3 lb-CO/MMBtu. [District Rules 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
16. The PM₁₀ emissions from the whey protein collection operation shall not exceed 0.23 lb/ton of finished whey protein processed. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The amount of whey protein processed shall not exceed 13.0 tons of finished product in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
19. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
20. Source testing to measure natural gas-combustion NO_x and CO emissions from this unit shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 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 12 months. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
21. 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
22. 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
23. 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
24. 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 District Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
25. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
26. 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 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
27. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
28. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit
29. 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 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
30. 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, 4306 and 4320] 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.

31. 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 performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
32. 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, 4306 and 4320] Federally Enforceable Through Title V Permit
33. 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, 4306 and 4320] Federally Enforceable Through Title V Permit
34. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
35. Permittee shall maintain records of the amount of fuel combusted during each calendar year. The record shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
36. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
37. Permittee shall maintain records of the amount of fuel combusted each calendar month. [40 CFR 60.48c(g)(2)] Federally Enforceable Through Title V Permit
38. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
39. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
40. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
41. The permittee shall keep daily records of the amount of finished whey protein processed. [District Rule 2201] Federally Enforceable Through Title V Permit
42. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306, 4320 and 4351] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-30-1

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

50.2 MMBTU/HR SUPERIOR MODEL 8-X-6000-S200-M BOILER EQUIPPED WITH A URS CORPORATION MODEL RMBF-50-G BURNER SERVED BY A HALDOR TOPSOE INC SELECTIVE CATALYTIC REDUCTION SYSTEM (BOILER #6)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Non-resettable, totalizing mass or volumetric fuel flow meters to measure the amount of natural gas and the amount of biogas combusted installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only PUC-quality natural gas, biogas or a combination of PUC-quality natural gas and biogas shall be burned in this boiler. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. The facility-wide NO_x emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM₁₀ emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NO_x emissions shall not exceed 5 ppmvd @ 3% O₂ referenced as NO₂. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
9. CO emissions shall not exceed 50 ppmvd @ 3% O₂. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
10. VOC emissions shall not exceed 10 ppmvd @ 3% O₂, as methane. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SO_x emissions shall not exceed 0.00285 lb/MMBtu while using the PUC-regulated natural gas fuel. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The sulfur content of the biogas (as H₂S) shall not exceed 26 ppmv. [District Rule 2201] Federally Enforceable Through Title V Permit
13. PM₁₀ emissions shall not exceed 0.0060 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Ammonia (NH₃) emissions shall not exceed 10 ppmvd @ 3% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

16. The hydrogen sulfide concentration of the biogas shall be determined at least once every 120 days. Once three consecutive 120 day tests show compliance with the fuel H₂S limit, the testing frequency may be reduced to annually. If an annual test shows a violation of the permitted H₂S concentration limit, the testing frequency shall increase to once every 120 days until three consecutive 120 day tests show compliance. At that time, testing may return to annually. The testing shall be conducted by an independent testing laboratory and shall be performed using one of the following methods: EPA Method 11, EPA Method 15, ASTM Method D1072, D3031, D4084, D3246, or D5504. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
17. At least once every two weeks, the facility shall test the biogas to demonstrate compliance with the permitted hydrogen sulfide concentration limit using properly calibrated gas chromatograph equipment. Once 12 consecutive biweekly tests show compliance, the testing frequency may be reduced to monthly. If a subsequent test shows a violation of the permitted hydrogen sulfide concentration limit then biweekly testing shall resume and continue until 12 consecutive tests show compliance. Once compliance is shown on 12 consecutive biweekly tests, the testing frequency may return to monthly. It is not necessary for the facility to perform gas chromatograph testing during the week in which either the 120-day or annual laboratory testing is performed. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
18. The gas chromatograph equipment used for the biweekly testing shall be calibrated according to the manufacturer's recommendations. Records of the gas chromatograph equipment calibration shall be kept and shall be made available for District inspection upon request. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
19. Biogas sampling shall be conducted using the methods and procedures approved by the District. The District shall be notified each time the biogas sampling frequency changes. [District Rule 1081] Federally Enforceable Through Title V Permit
20. Source testing to determine compliance with the NO_x, CO and NH₃ limits of this permit shall be conducted at least once every 12 months using natural gas fuel. After demonstrating compliance on two consecutive annual source tests, the unit shall not be tested less than once every 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 12 months. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
21. Within 60 days after first firing the unit on biogas or a blend of natural gas and biogas, the permittee shall conduct a source test to determine compliance with the NO_x, CO, NH₃ and PM₁₀ emission limits in this permit. Biogas heat input rate during the source test shall be at least 20% of the total heat input to the boiler. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
22. Source testing to determine compliance with the NO_x, CO and NH₃ limits of this permit shall be conducted at least once every 12 months using combination of biogas and natural gas fuel. Biogas heat input rate shall be at least 20% of the total heat input rate to the boiler during the source test. After demonstrating compliance on two consecutive annual source tests, the unit shall not be tested less than once every 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 12 months. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
23. 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
24. 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
25. 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
26. All emissions measurements shall be made with the unit(s) 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 Rules 4305, 4306 and 4320. [District Rules 1081, 4305, 4306 and 4320] 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. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
28. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
29. NH₃ emissions for source test purposes shall be determined using BAAQMD method ST-1B. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
30. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
31. Source testing to measure PM₁₀ shall be conducted using either: EPA Method 201 or 201A, and 202; or CARB Method 5 in combination with 501. Other methods may be utilized provided previous written District approval is obtained. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
32. 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 provided the results include both the filterable and condensable (back half) particulate, and that all particulate matter is assumed to be PM₁₀. Source testing to measure concentrations of total particulate emissions shall be conducted using EPA method 5. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
33. 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 1081, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
34. The permittee shall monitor and record the stack concentration of NO_x, CO, NH₃ and O₂ on combination of natural gas and biogas fuel and on natural gas fuel alone at least once during each month. Monitoring is not required during the month in which the source test is performed. The monitoring shall be performed NO_x, CO and O₂ monitoring shall be conducted utilizing a portable analyzer that meets District specifications. NH₃ monitoring shall be conducted utilizing Draeger tubes or a District approved equivalent method at the time NO_x, CO and O₂ readings are taken. 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 it has been performed within the last month. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
35. If the NO_x, CO or NH₃ concentrations, as measured by the portable analyzer and District approved ammonia monitoring equipment, exceed the permitted emission levels, 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 or ammonia monitoring equipment show that emissions continue to exceed the allowable levels after 1 hour of operation following 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, 4306 and 4320] Federally Enforceable Through Title V Permit
36. All alternate monitoring parameter emission readings shall be taken with the units 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
37. The permittee shall maintain records of: (1) permit number of the unit(s) operating during monitoring, (2) fuel type, (3) the date and time of NO_x, CO, NH₃ and O₂ measurements, (4) the O₂ concentration in percent and the measured NO_x, CO and NH₃ concentrations corrected to 3% O₂, (5) make and model of exhaust gas analyzer, (6) exhaust gas analyzer calibration records, (7) the method of determining the NH₃ emission concentration, and (8) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320] 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.

38. The permittee shall maintain records of: (1) the name of the sampler, and the date and time of biogas sampling for H₂S, (2) the name of the tester, and the date and time of biogas testing for H₂S, (3) test results showing the biogas concentration (in ppmv) of H₂S. [District Rule 1081] Federally Enforceable Through Title V Permit
39. Permittee shall determine sulfur content of natural gas annually or shall demonstrate that it was provided by a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
40. Permittee shall maintain records of the amount of each type of fuel combusted during each calendar month. [40 CFR Part 60.48c(g)(2)] Federally Enforceable Through Title V Permit
41. Permittee shall maintain records of the amount of each fuel combusted during each calendar year. The records shall be updated at least once every calendar month. [District Rule 4351] Federally Enforceable Through Title V Permit
42. The higher heating value (HHV) of the natural gas shall be determined and recorded at least annually. The testing shall be conducted by an independent testing laboratory and shall be performed utilizing one of the following test methods: ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rules 1081 and 4351] Federally Enforceable Through Title V Permit
43. Records of the facility-wide NO_x and PM₁₀ emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
44. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-35-2

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

SALT RECEIVING OPERATION IN ONE 21,430 GALLON (APPROX. 25' 4" HIGH, 12' DIAMETER) ABOVE GROUND BRINE TANK SERVED BY A FABRIC SOCK FILTER

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions from the sock filter shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201] Federally Enforceable Through Title V Permit
5. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from the sock filter shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. A spare sock filter shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The amount of salt received shall not exceed 30 tons during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions shall not exceed 0.00034 pounds per ton of salt received. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59P^{0.62}$ ($P < 30$ tph) or $E=17.31P^{0.16}$ ($P > 30$ tph). [District Rule 4202] Federally Enforceable Through Title V Permit
11. The permittee shall maintain a daily record of the date and amount of salt received. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The sock filter shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The permittee shall maintain records of the sock filter maintenance, inspections and repair. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Records of the facility-wide PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be retained for a minimum of 5 years and made available for District inspection upon request. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-36-1

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

619 BHP PERKINS MODEL 2206D-E13TAG3 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] 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. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. 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
6. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed any of the following limits: 2.74 g-NOx/bhp-hr, 1.79 g-CO/bhp-hr, or 0.14 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.107 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. 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] Federally Enforceable Through Title V Permit
11. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. 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 Rules 4701 and 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
16. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1275-37-0

EXPIRATION DATE: 09/30/2017

EQUIPMENT DESCRIPTION:

389 BHP IVECO/FPT MODEL F2CE9685A-E TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
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. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rules 4701 and 4702 and 17 CCR 93115]
5. 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]
6. The facility-wide NOx emissions shall not exceed 34,996 pounds during any rolling 12-month period. [District Rule 2201]
7. The facility-wide PM10 emissions shall not exceed 29,200 pounds during any rolling 12-month period. [District Rule 2201]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.47 g-NOx/bhp-hr, 0.4 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115]
9. Emissions from this IC engine shall not exceed 0.10 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 17 CCR 93115]
10. 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]
11. 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]
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 4701 and 4702 and 17 CCR 93115]
13. 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 Rules 4701 and 4702]
14. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rules 4701 and 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4701 and 4702 and 17 CCR 93115]
16. Records of the facility-wide NOx and PM10 emissions, on a rolling 12-month basis shall be kept. The records shall be updated at least monthly. [District Rule 2201]
17. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4701 and 4702 and 17 CCR 93115]
18. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 4701 and 4702 and 17 CCR 93115]

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

ATTACHMENT C

Detailed Facility List

Sorted by Facility Name and Permit Number

HILMAR CHEESE COMPANY 9001 N LANDER AVE HILMAR, CA 95324		FAC # N 1275 STATUS: A TELEPHONE: 2096676076		TYPE: 70154 TOXIC ID:		EXPIRE ON: 09/30/2017 AREA: 3/ INSP. DATE: 02/13	
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1275-1-0	8,400 KBTU	3020-02 G	1	893.00	893.00	D	BOILER, CLEAVER-BROOKS, 8.4 MMBTU/HR
N-1275-2-8	25.1 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	25.1 MMBTU/HR CLEAVER-BROOKS BOILER (S/N L-86827) WITH A NATCOM PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE-GAS RECIRCULATION SYSTEM (BOILER #1)
N-1275-3-2	6,700 KBTU/HR	3020-02 G	1	893.00	893.00	D	ONE (1) BLAU-KNOX DAIRY PRODUCT DRYER (MODEL # 750, 6.7 MMBTU/HR) SERVED BY TWO (2) DAMROW DUST COLLECTORS *** DELETED 7/1/99 PER APPLICANT'S REQUEST AS PART OF STATIONARY SOURCE PROJECT #990535 - NRP ***
N-1275-4-9	25.1 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	25.1 MMBTU/HR CLEAVER-BROOKS MODEL CB-200-600 BOILER (S/N L90961) WITH A NATCOM PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE GAS RECIRCULATION SYSTEM (BOILER #3)
N-1275-5-8	280 hp	3020-01 E	1	451.00	451.00	A	STEAM-OPERATED VIBRO-FLUIDIZER DRYER SERVED BY A NIRO HUDSON INC CYCLONE VENTED TO AN AMERICAN AIR FILTER MODEL MILLENIUM SIZE 14-336-6304 BAGHOUSE
N-1275-6-3	200 hp	3020-01 E	1	451.00	451.00	A	125 HP BAUERMEISTER MODEL #UT53 HAMMERMILL AND MODEL 3 CLASSIFIER SERVED BY MAC MODEL #96LRT80 STYLE III BAGHOUSE (SHARED WITH LACTOSE POWDER RECEIVER)
N-1275-7-4	4.5 hp	3020-01 A	1	97.00	97.00	A	LACTOSE POWDER BAGGING SYSTEM SERVED BY A DCE MODEL C72-RK15AD DUST COLLECTOR
N-1275-9-7	25.1 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	25.1 MMBTU/HR CLEAVER BROOKS MODEL CBLE 700-600-2005 BOILER (S/N OLO94841) WITH A NATCOM MODEL PROFIRE NT ULTRA LOW-NOX BURNER AND A FLUE GAS RECIRCULATION SYSTEM (BOILER #2)
N-1275-12-5	20.7 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	ONE SINGLE STAGE MARRIOT-WALKER SPRAY DRIER WITH A 20.7 MMBTU/HR MAXON BURNER SERVED BY A WALKER STAINLESS EQUIPMENT BAGHOUSE AND A FISHER-KLOSTERMAN SCRUBBER
N-1275-14-4	150 hp	3020-01 D	1	345.00	345.00	A	LACTOSE DRYING OPERATION WITH A NIRO-HUDSON FLUID BED DRYER SERVED BY A NIRO MODEL #235145 BAGHOUSE
N-1275-15-2	150 hp	3020-01 D	1	345.00	345.00	A	LACTOSE MILLING OPERATION WITH A BAUERMEISTER, INC. MODEL UT-53 HAMMERMILL, SERVED BY A MAC MODEL 96 LRT 80 STYLE III BAGHOUSE
N-1275-16-5	15 hp	3020-01 A	1	97.00	97.00	A	WHEY PROTEIN BAGGING OPERATION SERVED BY A DCE MODEL C-72-55 BAGHOUSE AND A DONALDSON COMPANY MODEL DLMC1/4/15 BAGHOUSE

Detailed Facility Report

For Facility=1275

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1275-17-3	17 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	PROTEIN DRYING OPERATION CONSISTING OF AN INDIRECT NATURAL GAS-FIRED EXOTHERMICS ES-2465 PROCESS HEATER EQUIPPED WITH A 17.0 MMBTU/HR ECLIPSE INC. MINNOX 4250 CCS-T/C-SP LOW-NOX BURNER WITH FLUE GAS RECIRCULATION. EMISSIONS FROM THE HANDLING OF DRIED PROTEIN ARE CONTROLLED BY A NIRO MODEL 235-14-5 BAGHOUSE
N-1275-18-4	33.6 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	33.6 MMBTU/HR NATURAL GAS FIRED CLEAVER-BROOKS MODEL CEW 700-800 BOILER WITH AN ALZETA MODEL V504-G ULTRA LOW-NOX BURNER (BOILER #4)
N-1275-22-3	50.4 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	50.4 MMBTU/HR NATURAL GAS FIRED CLEAVER BROOKS MODEL CBL-700-1200-200 BOILER WITH A PROFIRE NT BURNER, A FLUE GAS RECIRCULATION SYSTEM AND AN O2 CONTROLLER (BOILER #5)
N-1275-23-8	29.25 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	2.5 MILLION GALLON PER DAY CHEESE WASTEWATER SYSTEM WITH TWO ANAEROBIC DIGESTERS SERVED BY TWO CEILCOTE SPT-18-144 WET SCRUBBERS AND 625 CFM VAREC MODEL 244E ENCLOSED FLARE
N-1275-24-1	243.5 hp	3020-01 E	1	451.00	451.00	A	LACTOSE POWDER MILLING OPERATION #3 CONSISTING OF A BAUERMEISTER MODEL UT-53 POWDER MILL SERVED BY A MAC MODEL RTSPCL BAGHOUSE, SURGE HOPPER SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER, AND ASSOCIATED CONVEYING EQUIPMENT
N-1275-25-4	70 hp	3020-01 C	1	217.00	217.00	A	LACTOSE POWDER STORAGE OPERATION CONSISTING OF SIX STORAGE SILOS WITH SILOS #1 AND #2 EACH SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER (1300 CFM EACH), SILOS #3, #4 AND #6 EACH SERVED BY A NU-CON MODEL NCBV-58-25-1TF BIN VENT FILTER (800 CFM EACH) AND SILO #5 SERVED BY A NU-CON MODEL NCBV-41-25-3TF BIN VENT FILTER (1300 CFM)
N-1275-26-1	40 hp	3020-01 B	1	129.00	129.00	A	WAREHOUSE VACUUM CLEANING SYSTEM SERVED BY A GARDNER DENVER/INVINCIBLE MODEL TC-78 DUST COLLECTOR
N-1275-27-2	33,500 KBitu/hr	3020-02 H	1	1,128.00	1,128.00	D	33.5 MMBTU/HR NEBRASKA WATER TUBE BOILER WITH A NATIONAL COMBUSTION ULTRA LOW NOX BURNER AND INDUCED FLUE GAS RECIRCULATION (TEMPORARY REPLACEMENT EMISSIONS UNIT FOR PERMIT N-1275-9)
N-1275-28-1	6.7 MMBtu/hr	3020-02 G	1	893.00	893.00	A	WHEY PROTEIN DRYING OPERATION CONSISTING OF A NIRO MODEL ES-2249 SPRAY DRYER WITH A 6.7 MMBTU/HR ECLIPSE MINNOX BURNER AND A NIRO MODEL BF-R-14-135 BAGHOUSE
N-1275-30-1	50.2 MMBtu/hour	3020-02 H	1	1,128.00	1,128.00	A	50.2 MMBTU/HR SUPERIOR MODEL 8-X-6000-S200-M BOILER EQUIPPED WITH A URS CORPORATION MODEL RMBF-50-G BURNER SERVED BY A HALDOR TOPSOE INC SELECTIVE CATALYTIC REDUCTION SYSTEM (BOILER #6)
N-1275-31-0	62.5 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	D	62.5 MMBTU/HR NEBRASKA MODEL NOS-2A/S55 BOILER EQUIPPED WITH A TODD MODEL SV6401 GOXXX BURNER WITH CATASTAL SELECTIVE CATALYTIC REDUCTION SYTEM (TEMPORARY REPLACEMENT EMISSIONS UNIT)

Detailed Facility Report

For Facility=1275

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1275-33-0	93.0 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	D	93.0 MMBTU/HR NEBRASKA MODEL NOS-2A/S-55 NATURAL GAS-FIRED BOILER WITH A TODD VARIFLAME MODEL SV6401G0XXX ULTRA LOW NOX BURNER SERVED BY A CRI MODEL CATASTAK SELECTIVE CATALYTIC REDUCTION SYSTEM WITH AMMONIA (NH3) INJECTION (TEMPORARY REPLACEMENT EMISSIONS UNIT)
N-1275-35-2	21,430 gallon	3020-05 C	1	149.00	149.00	A	SALT RECEIVING OPERATION IN ONE 21,430 GALLON (APPROX. 25' 4" HIGH, 12' DIAMETER) ABOVE GROUND BRINE TANK SERVED BY A FABRIC SOCK FILTER
N-1275-36-1	619 bhp	3020-10 D	1	525.00	525.00	A	619 BHP PERKINS MODEL 2206D-E13TAG3 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
N-1275-37-0	389 bhp	3020-10 C	1	264.00	264.00	A	389 BHP IVECO/FPT MODEL F2CE9685A-E TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

Number of Facilities Reported: 1