



AUG 05 2019

Ms. Debra Guzman
Saputo Cheese USA Inc.
800 E. Paige Avenue
Tulare, CA 93274

Re: Notice of Preliminary Decision – Title V Permit Renewal
Facility Number: S-1203
Project Number: S-1183252

Dear Ms. Guzman:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Saputo Cheese USA Inc. at 800 E. Paige Avenue, Tulare, 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. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,


Arnaud Marjollet
Director of Permit Services

Enclosures

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

Samir Sheikh
Executive Director/Air Pollution Control Officer

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

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

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

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

Proposed Title V Permit Renewal Evaluation Saputo Cheese USA Inc. S-1203

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TITLE V PERMIT RENEWAL EVALUATION

Engineer: David Torii

Date: 8/1/19

Facility Number: S-1203

Facility Name: Saputo Cheese USA Inc.

Mailing Address: 800 E. Paige Avenue
Tulare, CA 93274

Contact Name: Debra Guzman

Phone: (847) 400-6550

Responsible Official: Debra Guzman

Title: Director of Environmental Affairs

Project # : 1183252

Deemed Complete: 8/15/8

I. PROPOSAL

Saputo Cheese USA Inc. was issued a Title V permit on 1/31/14. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

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

II. FACILITY LOCATION

Saputo Cheese USA Inc.'s cheese production facility is located at 800 E. Paige Avenue, Tulare, Tulare County, CA.

III. EQUIPMENT LISTING

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

IV. GENERAL PERMIT TEMPLATE USAGE

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

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

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

V. SCOPE OF EPA AND PUBLIC REVIEW

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

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated or Evaluated

- District Rule 2020, Exemptions (amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended February 18, 2016)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended 2/27/14, 7/7/16)
- 40 CFR Part 60, Subpart JJJJ—Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (2/27/14, 8/30/16)
- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended 2/27/2014)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended 10/28/14, 4/10/15)

B. Rules Removed

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

C. Rules Added

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

D. Rules Not Updated

- District Rule 1070, Inspections (amended 12/17/92)
- District Rule 1080, Stack Monitoring (amended 12/17/92)
- District Rule 1081, Source Sampling (amended 12/16/93)
- District Rule 1100, Equipment Breakdown (amended 12/17/92)
- District Rule 2010, Permits Required (amended 12/17/92)
- District Rule 2031, Transfer of Permits (amended 12/17/92)
- District Rule 2040, Applications (amended 12/17/92)
- District Rule 2070, Standards for Granting Applications (amended 12/17/92)
- District Rule 2080, Conditional Approval (amended 12/17/92)
- District Rule 2520, Federally Mandated Operating Permits (amended 6/21/01)
- District Rule 4101, Visible Emissions (amended 2/17/05)
- District Rule 4201, Particulate Matter Concentration (amended 12/17/92)
- District Rule 4301, Fuel Burning Equipment (amended 12/17/92)

- District Rule 4305, Boilers, Steam Generators, and Process Heaters – Phase 2 (amended August 21, 2003)
- District Rule 4306, Boilers, Steam Generators, and Process Heaters – Phase 3 (amended October 16, 2008) District Rule 4309 - Dryers, Dehydrators, and Ovens (adopted December 15, 2005)
- 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 4701, Internal Combustion Engines – Phase 1 (amended August 21, 2003)
- District Rule 4702, Internal Combustion Engines (amended January 18, 2007 (SIP version of the Rule) ⇒ amended August 18, 2011)
- District Rule 4801, Sulfur Compounds (amended 12/17/92)
- 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 (1/20/11 and 2/16/2012)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)
- 40 CFR Part 64, Compliance Assurance Monitoring (amended 10/22/97)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended June 25, 2013)

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

None

B. Rules Not Updated

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

VIII. PERMIT REQUIREMENTS

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

A. District Rule 2020 - Exemptions

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. 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 (NSR)

District Rule 2201 has been amended since this facility's initial 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 2520 - Federally Mandated Operating Permits

No changes to this Rule have occurred since issuance of the previous TV permit; however, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

Greenhouse Gas Discussion

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

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

Pursuant to section 60.4200(3) this subpart applies to owners and operators of any stationary compression ignited IC engine that were modified or reconstructed after July 11, 2005 and any person that modifies or reconstructs any stationary CI ICE after July 11, 2005. IC engine S-1203-25 is subject to this subpart.

Section 60.335 of this subpart was amended on 2/27/14 by clarifying NOx source testing procedures. No permit revision is necessary as a result of the amendment.

This subpart was amended on 7/7/16. The amendment applies to engine manufacturers only and does not affect IC engine S-1203-25; therefore, no further discussion is required.

E. 40 CFR 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Spark ignited (SI) engines that are modified or reconstructed after June 12, 2006 are subject to the requirements of the subpart. Stationary SI IC engine S-1203-17 has been at this facility since 2002. The engine has not been modified or reconstructed. Therefore, 40 CFR 60 Subpart JJJJ does not apply to S-1203-17.

F. 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)

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

IC engine S-1203-17 was installed before 2006; therefore, as defined by Section 63.65.90(iii), the engine can be classified as existing stationary RICE.

IC engine S-1203-17 currently has conditions ensuring compliance with this regulation.

This subpart was amended on 2/27/14. The 2/27/14 amendment included revisions to clarify that a heated probe is not necessary when using ASTM D6522 to measure oxygen or carbon dioxide concentrations. Also, the requirement to use Method 1 or 1A for sampling site and sampling point selection in testing gaseous emissions from engines with smaller ducts was

deleted, and single, or three-point sampling, depending on duct size, was added.

This amendment does not affect IC engine S-1203-17. No further discussion is required.

G. 40 CFR Part 82 - Subpart B - Servicing of Motor Vehicle Air Conditioners

40 CFR 82, Subpart B was amended since the previous renewed TV permit was issued. However, the amendments to this subpart do not have any effect on existing permit requirements as addressed by condition 28 on permit S-12013-0-2 of the draft renewed permit.

H. 40 CFR Part 82 - 40 CFR Part 82 - Subpart F - Recycling and Emissions Reduction

40 CFR 82, Subpart F was amended since the previous renewed TV permit was issued. However, the amendments to this subpart do not have any effect on existing permit requirements as addressed by condition 27 on permit S-1203-0-2 of the draft renewed permit.

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

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

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

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

- a. S-1203-8-11: NIRO INC. MULTI-STAGE TYPE MSD 500 SPRAY DRYER WITH 15.0 MMBTU/HR NATURAL GAS/LPG DIRECT-FIRED MAXON ULTRA LOW NOX CROSSFIRE LINE BURNER, DRYING CHAMBER, EXHAUST AIR SYSTEM WITH FLUIDIZER ASSEMBLY, CYCLONE AND BAGHOUSE FILTER

This dryer is equipped with a cyclone and baghouse filter.

The unit may be subject to CAM for PM₁₀ since it is equipped with a cyclone and baghouse filter, which is an add-on control for PM₁₀. The following calculations will show if the potential to emit will be greater than the major source thresholds for NO_x.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor from the baghouse: 0.344 lb-PM₁₀/ton
(permit condition)

Baghouse control efficiency: 99%

Maximum Daily Process Rate: 70 ton/day (permit condition)

Controlled Annual Potential to Emit = 0.344 lb-PM₁₀/ton x 70 ton/day x
365 day/yr = 8,789 lb-PM₁₀/year

Pre-Control Annual Potential to Emit = 8,789 lb-PM₁₀/year ÷ (1 – 0.99)
= 878,900 lb-PM₁₀/year

878,900 lb-PM₁₀/year ≥ 140,000 lb-PM₁₀/year

As shown above, CAM is required for PM₁₀ emissions from this unit since the pre-control potential to emit is equal to or greater than the major source threshold for PM₁₀

The following requirements will be added to the permit to ensure compliance with 40 CFR 64:

The owner/operator shall check for visible emissions from the baghouse on a daily basis. If any particulate matter emissions are visible, the baghouse shall be inspected for any tears, abrasions, or holes in the fabric. Any defective or damaged material shall be repaired or replaced. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64]

Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101, and 40 CFR 64] Y

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. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64] Y

The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR 64] Y

The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201 and 40 CFR 64] Y

The baghouse shall operate at all times with a minimum differential pressure of 1.5 inches water column and a maximum differential pressure of 10 inches water column. [40 CFR 64] Y

Differential operating pressure shall be monitored and recorded on each day that the combustor operates. [40 CFR 64] Y

During each day of operation, the permittee shall record the pressure drop of the baghouse, and compare the readings with the acceptable range. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR 64] Y

Dust collector filters shall be thoroughly inspected quarterly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Y

The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR 64] Y

If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR 64] Y

Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Y

- b. S-1203-9-6: 22.4 MMBtu/hr Niro Inc. Tall Form Direct Heat Spray Dryer Model 1600 Consisting of Feed System, Drying Chamber, Holding Belt, and Wet Scrubber

This dryer is equipped with a direct-fired low NO_x burner and a wet-scrubber for control of particulate matter. The unit is not equipped with any add-on controls for NO_x, SO_x, CO, or VOC that would cause the unit to be subject to CAM requirements. Therefore, CAM is not required for NO_x, SO_x, CO, or VOC. The unit may be subject to CAM

for PM₁₀ since it is equipped with a wet scrubber for control of PM₁₀. The following calculations will show if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor after the scrubber: 0.56 lb-PM₁₀/ton (permit condition)

Scrubber control efficiency: 85% (Per AP-42 Appendix B.2 (9/1990, reformatted 1/1995), Table B.2-3 – Typical Collection Efficiencies of Various Particulate Control Devices, the control efficiency for low efficiency wet-scrubbers is 80-90% for particles 2.5 -10 µm in size)

Maximum Daily Process Rate: 280 ton/day (permit condition)

Controlled Annual Potential to Emit = 0.56 lb-PM₁₀/ton x 280 ton/day x 365 day/yr = 57,232 lb-PM₁₀/year

Pre-Control Annual Potential to Emit = 57,232 lb-PM₁₀/year ÷ (1 – 0.85) = 381,547 lb-PM₁₀/year

381,547 lb-PM₁₀/year ≥ 140,000 lb-PM₁₀/year

As shown above, CAM is required for PM₁₀ emissions from this unit since the pre-control potential to emit is equal to or greater than the major source threshold for PM₁₀

The following requirements will be added to the permit to ensure compliance with 40 CFR 64:

Scrubber liquid flow rate, pressure differential, and sprays and nozzle operation shall be monitored at least once per day to ensure optimal scrubber operation. [40 CFR 64] Y

Pressure differential across the scrubber shall be observed and recorded daily during operation of this unit. [District Rule 2520, 9.3.2 and 40 CFR 64] Y

Records of pressure differential across the scrubber shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Y

The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR 64] Y

If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR 64] Y

Records of scrubber maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Y

- c. S-1203-10-2: 37,375 Gallon (5,000 Cu. Ft.) Whey Powder Storage Silo "A" with Bin Vent, 3 hp Power Silo Bin Discharger, and 2 hp Exhaust Fan

This storage silo is equipped with a bin vent filter for control of particulate matter. The unit may be subject to CAM for PM₁₀. The following calculations will determine if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor: 0.015 lb-PM₁₀/ton (permit condition)

Bin Vent control efficiency: 99%

Maximum Daily Process Rate: 280 ton/day (permit condition)

Controlled Annual Potential to Emit = 0.015 lb-PM₁₀/ton x 280 ton/day x 365 day/yr = 1,533 lb-PM₁₀/year

Pre-Control Annual Potential to Emit = 1,533 lb-PM₁₀/year ÷ (1 – 0.99)
= 120,500 lb-PM₁₀/year

153,300 lb-PM₁₀/year > 140,000 lb-PM₁₀/year

As shown above, CAM is required for PM₁₀ emissions from this unit since the pre-control potential to emit is equal to or greater than the major source threshold for PM₁₀

The following requirements will be added to the permit to ensure compliance with 40 CFR 64:

Visible emissions from the 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 bin vent filter is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a

visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64] Y

Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4 and 40 CFR 64] Y

Permittee shall perform a complete vent filter inspection on a quarterly basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2, and 40 CFR 64] Y

Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Y

The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Y

The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Y

If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] Y

- d. S-1203-11-2: 37,375 Gallon (5,000 Cu. Ft.) Whey Powder Storage Silo "B" with Bin Vent, 3 hp Power Silo Bin Discharger, and 2 hp Exhaust Fan

This storage silo is equipped with a bin vent filter for control of particulate matter. Therefore, the unit may be subject to CAM for PM₁₀. The following calculations will determine if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor: 0.015 lb-PM₁₀/ton (permit condition)

Bin Vent control efficiency: 99%

Maximum Daily Process Rate: 280 ton/day (permit condition)

Controlled Annual Potential to Emit = $0.015 \text{ lb-PM}_{10}/\text{ton} \times 280 \text{ ton/day} \times 365 \text{ day/yr} = 1,533 \text{ lb-PM}_{10}/\text{year}$

Pre-Control Annual Potential to Emit = $1,533 \text{ lb-PM}_{10}/\text{year} \div (1 - 0.99)$
= $120,500 \text{ lb-PM}_{10}/\text{year}$

$153,300 \text{ lb-PM}_{10}/\text{year} > 140,000 \text{ lb-PM}_{10}/\text{year}$

As shown above, CAM is required for PM₁₀ emissions from this unit since the pre-control potential to emit is equal to or greater than the major source threshold for PM₁₀

The following requirements will be added to the permit to ensure compliance with 40 CFR 64:

Visible emissions from the 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 bin vent filter is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64] Y

Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4 and 40 CFR 64] Y

Permittee shall perform a complete vent filter inspection on a quarterly basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2, and 40 CFR 64] Y

Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Y

The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Y

The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Y

If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and

implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] Y

- e. S-1203-12-2: 26,162 Gallon (3,500 Cu. Ft.) Whey Powder Storage Silo "C" with Bin Vent, 3 hp Power Silo Bin Discharger, 2 hp Exhaust Fan, and 1 hp Convey-Thru Rotary Airlock

This storage silo is equipped with a bin vent filter for control of particulate matter. Therefore, the unit may be subject to CAM for PM₁₀. The following calculations will determine if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor: 0.015 lb-PM₁₀/ton (permit condition)

Bin Vent control efficiency: 99%

Maximum Daily Process Rate: 70 ton/day (permit condition)

Controlled Annual Potential to Emit = 0.015 lb-PM₁₀/ton x 70 ton/day x 365 day/yr = 383 lb-PM₁₀/year

Pre-Control Annual Potential to Emit = 383 lb-PM₁₀/year + (1 – 0.99) = 38,300 lb-PM₁₀/year

38,300 lb-PM₁₀/year < 140,000 lb-PM₁₀/year

As shown above, CAM is not required for PM₁₀ emissions from this unit since the pre-control potential to emit is less than the major source threshold for PM₁₀.

- f. S-1203-13-1: Avapac Bulk Bag Filling System including Model C-63-00 Bulk Bag Filling Machine, 350 Cubic Foot Surge Hopper with Nucon Bin Vent Served by a Model NCRD 102-100-3T Dust Collector Shared with S-1203-14 and S-1203-15

This unit utilizes a dust collector for control of particulate matter. Therefore, the unit may be subject to CAM for PM₁₀. The following calculations will determine if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor: 0.004 lb-PM₁₀/ton (permit condition)

Bin Vent control efficiency: 99%

Maximum Daily Process Rate: 280 ton/day (permit condition)

Controlled Annual Potential to Emit = $0.004 \text{ lb-PM}_{10}/\text{ton} \times 280 \text{ ton/day} \times 365 \text{ day/yr} = 409 \text{ lb-PM}_{10}/\text{year}$

Pre-Control Annual Potential to Emit = $409 \text{ lb-PM}_{10}/\text{year} \div (1 - 0.99) = 40,900 \text{ lb-PM}_{10}/\text{year}$
 $40,900 \text{ lb-PM}_{10}/\text{year} < 140,000 \text{ lb-PM}_{10}/\text{year}$

As shown above, CAM is not required for PM₁₀ emissions from this unit since the pre-control potential to emit is less than the major source threshold for PM₁₀.

- g. S-1203-14-1: Avapac Carousel Bag Filling System Served by Dust Collector System listed on Permit S-1203-13

This unit utilizes a dust collector for control of particulate matter. Therefore, the unit may be subject to CAM for PM₁₀. The following calculations will determine if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor: 0.004 lb-PM₁₀/ton (permit condition)

Bin Vent control efficiency: 99%

Maximum Daily Process Rate: 280 ton/day (permit condition)

Controlled Annual Potential to Emit = $0.004 \text{ lb-PM}_{10}/\text{ton} \times 280 \text{ ton/day} \times 365 \text{ day/yr} = 409 \text{ lb-PM}_{10}/\text{year}$

Pre-Control Annual Potential to Emit = $409 \text{ lb-PM}_{10}/\text{year} \div (1 - 0.99) = 40,900 \text{ lb-PM}_{10}/\text{year}$

$40,900 \text{ lb-PM}_{10}/\text{year} < 140,000 \text{ lb-PM}_{10}/\text{year}$

As shown above, CAM is not required for PM₁₀ emissions from this unit since the pre-control potential to emit is less than the major source threshold for PM₁₀.

- h. S-1203-15-1: Avapac Inline Bag Filling System including 350 Cubic Foot Powder Surge Hopper Served by Dust Collector System listed on Permit S-1203-13

This unit utilizes a dust collector for control of particulate matter. Therefore, the unit may be subject to CAM for PM₁₀. The following calculations will determine if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor: 0.004 lb-PM₁₀/ton (permit condition)

Bin Vent control efficiency: 99%

Maximum Daily Process Rate: 280 ton/day (permit condition)

Controlled Annual Potential to Emit = 0.004 lb-PM₁₀/ton x 280 ton/day
x 365 day/yr = 409 lb-PM₁₀/year

Pre-Control Annual Potential to Emit = 409 lb-PM₁₀/year ÷ (1 – 0.99) =
40,900 lb-PM₁₀/year

40,900 lb-PM₁₀/year < 140,000 lb-PM₁₀/year

As shown above, CAM is not required for PM₁₀ emissions from this unit since the pre-control potential to emit is less than the major source threshold for PM₁₀.

- i. S-1203-16-4: 99 MMBtu/hr Union Iron Works Model MH Natural Gas/Propane-Fired Forced Draft Boiler with Variable Frequency Drive Blower, TODD Rapid Mix Burner, and Flue Gas Recirculation

This boiler is equipped with a TODD Rapid Mix low NO_x burner and FGR for control of NO_x. The unit is not equipped with any add-on controls for SO_x, CO, VOC, or PM₁₀ that would cause the unit to be subject to CAM requirements. Therefore, CAM is not required for SO_x, CO, VOC, or PM₁₀. The unit is equipped with add-on controls to reduce NO_x. Therefore, the unit may be subject to CAM for NO_x. The following calculations will show if the potential to emit will be greater than the major source threshold for NO_x.

NO_x

Major source threshold for NO_x: 20,000 lb-NO_x/year

Controlled emission factor for burner with FGR: 0.0085 lb-NO_x/MMBtu
(7 ppmvd NO_x @ 3% O₂) (permit condition)

FGR control efficiency: 60% (conservative assumption)

Maximum Annual Hours of Operation: 8,760 hr/yr

Controlled Annual Potential to Emit = 99 MMBtu/hr x 0.0085 lb-
NO_x/MMBtu x 8,760 hr/yr = 7,372 lb-NO_x/year

Pre-control Annual Potential to Emit = [99 MMBtu/hr x 0.0085 lb-
NO_x/MMBtu x 8,760 hr/yr] ÷ (1.0 – 0.60) = 18,429 lb-NO_x/year

18,429 lb-NO_x/year ≥ 20,000 lb-NO_x/year

As shown above, CAM is not required for NO_x emissions from this unit since the pre-control potential to emit is less than the applicable major source thresholds for NO_x.

- j. S-1203-17-2: 113 bhp Ford Model WSG1068 Natural Gas/LPG-Fired Rich Burn Emergency Standby IC Engine with PCV, "Emit" 3-Way NSCR and Automatic Air/Fuel Ratio Controller, Powering an Electrical Generator

This standby IC engine is equipped with a non-selective catalytic reduction (NSCR) to reduce emissions of NO_x, CO, and VOC. Therefore, the standby IC engine may be subject to CAM for NO_x, CO, or VOC. The following calculations will show if the potential to emit will be greater than the major source thresholds for NO_x, CO, or VOC.

NO_x, CO, and VOC

Major source thresholds:

NO_x: 20,000 lb-NO_x/year
CO: 200,000 lb-CO/year
VOC: 20,000 lb-VOC/year

Controlled Emission Factors for Engine (from permit condition)

NO_x: 1.0 g-NO_x/bhp-hr
CO: 3.73 g-CO/bhp-hr
VOC: 0.50 g-VOC/bhp-hr

Pre-Control Emission Factors for Engine (Maximum guaranteed emissions for the natural gas/LPG-fired engine without NSCR provided by the engine supplier)

NO_x: 12.6-NO_x/bhp-hr (LPG-firing for highest emissions)
CO: 25.6 g-CO/bhp-hr (LPG-firing for highest emissions)
VOC: 1.0 g-VOC/bhp-hr (Natural Gas or LPG)

Maximum Annual Hours of Operation = 100 hr/yr (permit condition)

Controlled Annual Potential to Emit:

NO_x: $113 \text{ bhp} \times 1.0 \text{ g-NO}_x/\text{bhp-hr} \times 1 \text{ lb}/453.59 \text{ g} \times 100 \text{ hr/yr} = 25 \text{ lb-NO}_x/\text{year}$
CO: $113 \text{ bhp} \times 3.73 \text{ g-CO}/\text{bhp-hr} \times 1 \text{ lb}/453.59 \text{ g} \times 100 \text{ hr/yr} = 93 \text{ lb-CO}/\text{year}$
VOC: $113 \text{ bhp} \times 0.50 \text{ g-VOC}/\text{bhp-hr} \times 1 \text{ lb}/453.59 \text{ g} \times 100 \text{ hr/yr} = 12 \text{ lb-VOC}/\text{year}$

Pre-control Annual Potential to Emit:

NO_x: $113 \text{ bhp} \times 12.6 \text{ g-NO}_x/\text{bhp-hr} \times 1 \text{ lb}/453.59 \text{ g} \times 100 \text{ hr/yr} = 314 \text{ lb-NO}_x/\text{year}$
 $314 \text{ lb-NO}_x/\text{year} < 20,000 \text{ lb-NO}_x/\text{year}$
CO: $113 \text{ bhp} \times 25.6 \text{ g-CO}/\text{bhp-hr} \times 1 \text{ lb}/453.59 \text{ g} \times 100 \text{ hr/yr} = 638 \text{ lb-CO}/\text{year}$

638 lb-CO/year < 200,000 lb-CO/year

VOC: $113 \text{ bhp} \times 1.0 \text{ g-VOC/bhp-hr} \times 1 \text{ lb/453.59 g} \times 100 \text{ hr/yr} =$
 25 lb-VOC/year
 25 lb-VOC/year < 20,000 lb-VOC/year

As shown above, CAM is not required for NO_x, CO, or VOC. emissions from this unit since the pre-control potential to emit is less than the applicable major source thresholds for NO_x, CO, and VOC.

- k. S-1203-20-4: 63 MMBtu/hr Nebraska Model NOS-2-525 Natural Gas-Fired Boiler equipped with Alzeta Ultra Lo-NO_x Burner Model CSB30-3SO-30/30/EC

This boiler is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to CAM requirements. Therefore, CAM is not required.

- l. S-1203-21-1: Steam-Heated Lactose Dryer Served by two Mullberry Hill C&E baghouses, equipped with a Lactose Mill Served by one Mullberry Hill C&E baghouse

This steam-heated lactose dryer and lactose mill are equipped with baghouse filters for control of particulate matter. Therefore, the units may be subject to CAM for PM₁₀. The following calculations will determine if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor: 0.002 gr/dscf. (permit condition)

Control efficiency for baghouses: 99%

Maximum Total Airflow Rate: 42,000 dscfm (2 x 15,000 dscfm + 12,000 dscfm) (permit condition)

Maximum Annual Operating Schedule: 7,965 hr/yr (permit condition)

Controlled Annual Potential to Emit = $0.002 \text{ gr/dscf} \times 42,000 \text{ dscf/min} \times 60 \text{ min/1 hr} \times 1 \text{ lb/7,000 gr} \times 7,965 \text{ hr/yr} = 5,735 \text{ lb-PM}_{10}/\text{year}$

Pre-Control Annual Potential to Emit = $5,735 \text{ lb-PM}_{10}/\text{year} \div (1 - 0.99)$
 = 573,500 lb-PM₁₀/year

573,500 lb-PM₁₀/year ≥ 140,000 lb-PM₁₀/year

As shown above, CAM is required for PM₁₀ emissions from this unit since the pre-control potential to emit is equal to or greater than the major source threshold for PM₁₀

The following requirements will be added to the permit to ensure compliance with 40 CFR 64:

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 64] Y

The baghouse shall operate at all times with a minimum differential pressure of 0.5 inches water column and a maximum differential pressure of 10 inches water column. [40 CFR 64] Y

Differential operating pressure shall be monitored and recorded on each day that the unit operates. [District Rule 2201 and 40 CFR 64] Y

During each day of operation, the permittee shall record the pressure drop of the baghouse, and compare the readings with the acceptable range. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR 64] Y

Emissions from the baghouse shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101, and 40 CFR 64] Y

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. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64] Y

Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Y

The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR 64] Y

If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and

implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR 64] Y

- m. S-1203-22-1: 90 MMBtu/hr Nebraska Model NS E 655 Natural Gas-Fired Boiler with a John Zink TODD Low NO_x Burner, Flue Gas Recirculation, and a URS Corporation Selective Catalytic Reduction (SCR) System

This boiler is equipped with a low NO_x burner, FGR, and SCR for control of NO_x. The unit is not equipped with any add-on controls for SO_x, CO, VOC, or PM₁₀ that would cause the unit to be subject to CAM requirements. Therefore, CAM is not required for SO_x, CO, VOC, or PM₁₀. The unit may be subject to CAM for NO_x since it is equipped with add-on controls to reduce NO_x. The following calculations will show if the potential to emit will be greater than the major source threshold for NO_x.

NO_x

Major source threshold for NO_x: 20,000 lb-NO_x/year

Controlled emission factor for unit with FGR and SCR: 0.0061 lb-NO_x/MMBtu (5 ppmvd NO_x @ 3% O₂) (permit condition)

Pre-control emission factor for the unit's low NO_x burner: 0.018 lb-NO_x/MMBtu (15 ppmvd NO_x @ 3% O₂)

Maximum Annual Hours of Operation: 8,760 hr/yr

Controlled Annual Potential to Emit = 90 MMBtu/hr x 0.0061 lb-NO_x/MMBtu x 8,760 hr/yr = 4,809 lb-NO_x/year

Pre-control Annual Potential to Emit = 90 MMBtu/hr x 0.018 lb-NO_x/MMBtu x 8,760 hr/yr = 14,191 lb-NO_x/year

14,191 lb-NO_x/year ≥ 20,000 lb-NO_x/year

As shown above, CAM is not required for NO_x emissions from this unit since the pre-control potential to emit is less than the applicable major source thresholds for NO_x.

- n. S-1203-23-1: 3,500 cu ft Lactose Powder Silo with Bin Vent Filter (Receiving Product from the Kason Vibroscreen Sifter)

This silo is equipped with a bin vent filter for control of particulate matter. Therefore, the unit may be subject to CAM for PM₁₀. The following calculations will determine if the potential to emit will be greater than the major source threshold for PM₁₀.

PM₁₀

Major source threshold for PM₁₀: 140,000 lb-PM₁₀/year

Controlled emission factor: 0.002 gr/dscf. (permit condition)

Bin Vent control efficiency: 99%

Maximum Airflow Rate: 1,250 dscfm (permit condition)

Maximum Annual Operating Schedule: 7,965 hr/yr (permit condition)

Controlled Annual Potential to Emit = $0.002 \text{ gr/dscf} \times 1,250 \text{ dscf/min} \times 60 \text{ min/hr} \times 1 \text{ lb/7,000 gr} \times 7,965 \text{ hr/yr} = 171 \text{ lb-PM}_{10}/\text{year}$

Pre-Control Annual Potential to Emit = $171 \text{ lb-PM}_{10}/\text{year} \div (1 - 0.99) = 17,100 \text{ lb-PM}_{10}/\text{year}$

$17,100 \text{ lb-PM}_{10}/\text{year} < 140,000 \text{ lb-PM}_{10}/\text{year}$

As shown above, CAM is not required for PM₁₀ emissions from this unit since the pre-control potential to emit is less than the major source threshold for PM₁₀.

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

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

X. CALIFORNIA ENVIRONMENTAL QUALITY ACT

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

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

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

ATTACHMENTS

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

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-1203-0-2

EXPIRATION DATE: 01/31/2019

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: SAPUTO CHEESE USA INC

Location: 800 E PAIGE AVE, TULARE, CA 93274

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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. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
40. On January 31, 2014, 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: S-1203-8-12

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

NIRO INC. MULTI-STAGE TYPE MSD 500 SPRAY DRYER WITH 15.0 MMBTU/HR NATURAL GAS/LPG DIRECT-FIRED MAXON ULTRA LOW NOX CROSSFIRE LINE BURNER AND 15.4 MMBTU/HR NATURAL GAS/LPG INDIRECT-FIRED TODD RAPID MIX ULTRA LOW NOX BURNER AND FGR, FEED SYSTEM INDIRECT HOT AIR SYSTEM, DRYING CHAMBER, EXHAUST AIR SYSTEM WITH FLUIDIZER ASSEMBLY, CYCLONE AND BAGHOUSE FILTER

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. The dryer shall only be fired on natural gas with LPG as a backup fuel. [District Rules 2201, 4201, 4301, 4320, and 4801] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Permittee shall determine sulfur content of the natural gas combusted annually or shall demonstrate that the natural gas combusted is provided from a PUC or FERC regulated source. Permittee shall also determine sulfur content of the LPG combusted annually or shall demonstrate that the LPG combusted is provided from a commercial LPG source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
5. Burner emissions from fuel combustion shall not exceed the following: NOx: 2.2 ppmv @ stack conditions (if > 19% O₂, otherwise corrected to 19% O₂) or 0.0243 lb/MMBtu, CO: 42 ppmv @ 19% O₂ (if > 19% O₂, otherwise corrected to 19% O₂) or 0.2924 lb/MMBtu, VOC: 0.0055 lb/MMBtu, PM10: 0.0076 lb/MMBtu, or SOx (calculated as SO₂) 0.0029 lb/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
6. Non-combustion PM10 emissions from baghouse shall not exceed 0.344 lb/ton. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
7. Maximum daily production of the Whey Protein Concentrate (WPC) shall not exceed 70 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
9. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320 (adopted 10/16/2008). [District Rules 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
10. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, 4309, 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.

11. Source testing of the burner to measure natural gas-combustion NO_x and CO emissions shall be conducted at least once every 24 months thereafter. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
12. 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
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
14. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
15. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
16. When testing the burner's emissions, all test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] 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 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
18. Fuel sulfur content shall be determined using EPA Method 11 or Method 15. [District Rule 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, 4309, and 4320] Federally Enforceable Through Title V Permit
20. 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 the performing the notification and testing required by this condition. [District Rule 4309] 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, 4309, 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 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
23. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [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.

24. 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
25. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101, and 40 CFR 64] Federally Enforceable Through Title V Permit
26. 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. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
27. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR Part 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
28. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
29. 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
30. The baghouse shall operate at all times with a minimum differential pressure of 1.5 inches water column and a maximum differential pressure of 10 inches water column. [40 CFR 64] Federally Enforceable Through Title V Permit
31. Differential operating pressure shall be monitored and recorded on each day that the combustor operates. [40 CFR 64] Federally Enforceable Through Title V Permit
32. During each day of operation, the permittee shall record the pressure drop of the baghouse, and compare the readings with the acceptable range. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR 64] Federally Enforceable Through Title V Permit
33. Daily log of WPC productions shall be maintained, kept, and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
34. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
35. Dust collector filters shall be thoroughly inspected quarterly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
36. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
37. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
38. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit
39. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2, 4305, 4306, 4309, 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: S-1203-9-8

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

22.4 MMBTU/HR NIRO INC. TALL FORM DIRECT HEAT SPRAY DRYER MODEL 1600 CONSISTING OF FEED SYSTEM, DRYING CHAMBER, HOLDING BELT, AND WET SCRUBBER

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Dryer shall be fired only on natural gas except LPG may be burned when natural gas has been curtailed. [District Rules 2201, 4201, 4301, and 4801] Federally Enforceable Through Title V Permit
3. Dryer shall be equipped with operational fuel gauge to Niro burners. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Scrubber liquid supply (at inlet to scrubber) shall have an operational flow meter. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Scrubber, including sprays and nozzles, shall be maintained in optimum working condition. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Scrubber shall be equipped with an operational differential pressure gauge to indicate the pressure drop across the unit. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Scrubber liquid flow rate and pressure differential shall be monitored at least once per day to ensure optimal scrubber operation. [40 CRF 64] Federally Enforceable Through Title V Permit
8. All dryer exhaust gas shall be scrubbed in scrubber. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Scrubbed emissions from the dryer shall not exceed any of the following: PM10 0.56 lb/ton deproteinized whey produced; NOx 1.8 ppmv at stack conditions (0.02 lb/MMBtu) calculated as NO2; CO 21.3 ppmv at stack conditions (0.1481 lb/MMBtu); VOC 0.13 lb/hr; or SOx 0.07 lb/hr (calculated as SO2). [District Rules 2201, 4202, and 4309] Federally Enforceable Through Title V Permit
10. Compliance testing shall be conducted at a firing rate of at least 80% of the maximum firing rate. If test results extrapolated to 100% firing rate (lb/hr emissions x 100/percent firing rate) do not project compliance, firing rate shall be limited to that measured during test which demonstrated compliance. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Maximum daily production of dried whey products shall not exceed 280 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. 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
13. 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
14. 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
15. Source testing to measure PM₁₀ emissions from the scrubber exhaust gas shall be conducted annually using EPA Method 5, or CARB 501 in combination with CARB 5. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Source testing to measure NO_x and CO emissions from this unit shall be conducted at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
17. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309 (adopted 12-15-2005). [District Rule 4309] Federally Enforceable Through Title V Permit
18. 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
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 Rule 4309] Federally Enforceable Through Title V Permit
20. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
21. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
22. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
23. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
24. The results of each compliance test shall be submitted to the District within 60 days. [District Rule 1081] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. 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
26. Records of monthly average fuel flow to dryer shall be kept for 5 years and shall be made readily available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
27. If fuel firing rate to dryer is limited to that measured during the source test as required by Condition 9, records of daily fuel flow to dryer shall be kept. [District Rule 1070 and 2520] Federally Enforceable Through Title V Permit
28. Permittee shall maintain daily records of dried whey production. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Pressure differential across the scrubber shall be observed and recorded daily during operation of this unit. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
30. Records of pressure differential across the scrubber shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit
31. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
32. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
33. Records of scrubber maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit
34. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4, 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: S-1203-10-4

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

37,375 GALLON (5,000 CU. FT.) WHEY POWDER STORAGE SILO "A" WITH BIN VENT, 3 HP POWER SILO BIN DISCHARGER, AND 2 HP EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Visible emissions from the 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 bin vent filter is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
3. Maximum quantity of dried whey powder conveyed into this silo shall not exceed 280 tons/day. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
4. The total throughput of dried whey products handled by the silos S-1203-10 and S-1203-11 shall not exceed 280 tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from bin vent filters shall not exceed 0.015 lb/ton of powder conveyed into silo. [District Rules 2201, 4201, and 4202] Federally Enforceable Through Title V Permit
6. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit
7. Permittee shall perform a complete vent filter inspection on a quarterly basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2, and 40 CFR 64] Federally Enforceable Through Title V Permit
8. Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit
9. 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
10. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
11. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. Permittee shall maintain a daily record of the quantity of dry powder conveyed into this silo and the total daily throughput of silos S-1203-10 and S-1203-11. Records shall be kept for a period of five years and made available for District inspection upon request. [District Rules 2201 and 2520, 9.4.2] 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: S-1203-11-4

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

37,375 GALLON (5,000 CU. FT.) WHEY POWDER STORAGE SILO "B" WITH BIN VENT, 3 HP POWER SILO BIN DISCHARGER, AND 2 HP EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Visible emissions from the 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 bin vent filter is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
3. Maximum quantity of dried whey powder conveyed into this silo shall not exceed 280 tons/day. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
4. The total throughput of dried whey products handled by the silos S-1203-10 and S-1203-11 shall not exceed 280 tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from bin vent filters shall not exceed 0.015 lb/ton of powder conveyed into silo. [District Rules 2201, 4201, and 4202] Federally Enforceable Through Title V Permit
6. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit
7. Permittee shall perform a complete vent filter inspection on a quarterly basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2, and 40 CFR 64] Federally Enforceable Through Title V Permit
8. Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4, and 40 CFR 64] Federally Enforceable Through Title V Permit
9. 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
10. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
11. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. Permittee shall maintain a daily record of the quantity of dry powder conveyed into this silo and the total daily throughput of silos S-1203-10 and S-1203-11. Records shall be kept for a period of five years and made available for District inspection upon request. [District Rules 2201 and 2520, 9.4.2] 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: S-1203-12-4

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

26,162 GALLON (3,500 CU. FT.) WHEY POWDER STORAGE SILO "C" WITH BIN VENT, 3 HP POWDER SILO BIN DISCHARGER, 2 HP BIN VENT EXHAUST FAN, AND 1 HP CONVEY-THRU ROTARY AIRLOCK

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. PM10 emissions from bin vent filters shall not exceed 0.015 lb/ton of powder conveyed into silo. [District Rules 2201, 4201, and 4202] Federally Enforceable Through Title V Permit
4. Maximum quantity of dried whey powder conveyed into silo shall not exceed 70 tons/day. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
5. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
7. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
9. Permittee shall maintain a daily record of the quantity of dry powder conveyed into the silo. Records shall be kept for a period of five years and made available for District inspection upon request. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-13-2

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

AVAPAC BULK BAG FILLING SYSTEM INCLUDING MODEL C-63-00 BULK BAG FILLING MACHINE, 350 CUBIC FOOT SURGE HOPPER WITH NUCON BIN VENT SERVED BY A MODEL NCRD 102-100-3T DUST COLLECTOR SHARED WITH S-1203-14 AND S-1203-15

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. The maximum daily whey products processed by this Avapac Bulk Bag filling system shall not exceed 280 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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
5. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
6. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [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. PM10 emissions shall not exceed 0.004 lb/ton of product. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
9. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
11. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] 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. Permittee shall maintain accurate records of daily whey production. Records shall be made readily available for District inspection upon request for a period of 5 years. [District Rule 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: S-1203-14-4

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

AVAPAC CAROUSEL BAG FILLING SYSTEM INCLUDING 350 CUBIC FOOT SURGE HOPPER WITH NUCON BIN VENT VENTED TO THE DUST CONTROL SYSTEM LISTED ON S-1203-13

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. The maximum daily whey products processed by this Avapac Carousel bagging system shall not exceed 280 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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
5. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
6. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [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. PM10 emissions shall not exceed 0.004 lb/ton of product. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
9. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
11. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] 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. Permittee shall maintain accurate records of daily whey production. Records shall be made readily available for District inspection upon request for a period of 5 years. [District Rule 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: S-1203-15-2

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

AVAPAC INLINE BAG FILLING SYSTEM INCLUDING 350 CUBIC FOOT POWDER SURGE HOPPER SERVED BY DUST COLLECTOR LISTED WITH S-1203-13

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. The maximum daily whey products processed by this Avapac Inline bagging system shall not exceed 280 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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
5. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
6. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [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. PM10 emissions shall not exceed 0.004 lb/ton of product. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
9. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
11. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] 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. Permittee shall maintain accurate records of daily whey production. Records shall be made readily available for District inspection upon request for a period of 5 years. [District Rule 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: S-1203-16-5

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

99 MMBTU/HR UNION IRON WORKS MODEL MH NATURAL GAS/PROPANE-FIRED FORCED DRAFT BOILER WITH VARIABLE FREQUENCY DRIVE BLOWER, TODD RAPID MIX BURNER, AND FLUE GAS RECIRCULATION

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
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 boiler shall only be fired on PUC-regulated natural gas or propane. [District Rules 2201, 4301, and 4320] Federally Enforceable Through Title V Permit
5. Permittee shall demonstrate that the natural gas combusted is provided from a PUC regulated source and shall determine the sulfur content of propane combusted annually or demonstrate that the propane combusted is provided from a commercial propane source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
6. Emission rates from natural gas or propane firing shall not exceed any of the following: 7 ppmvd-NO_x @ 3% O₂ or 0.0085 lb-NO_x/MMBtu, 0.008 lb-PM₁₀/MMBtu, 0.006 lb-VOC/MMBtu, 0.017 lb-SO_x (as SO₂)/MMBtu, or 50 ppmvd-CO @ 3% O₂. [District Rules 2201, 4305, 4306, 4320, and 4801] Federally Enforceable Through Title V Permit
7. The combined annual emissions from permit units S-1203-16, S-1203-20, and S-1203-22 shall not exceed any of the following limits: 15,611 lb-NO_x; 16,343 lb-SO_x; 11,132 lb-PM₁₀; 64,649 lb-CO; or 8,238 lb-VOC. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
9. 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
10. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. 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
12. 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
13. Source test to demonstrate compliance with NO_x and CO emission limits while firing on propane shall be conducted within 60 days of the initial propane firing. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
14. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320 (adopted 10/16/2008). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. Source testing to measure NO_x and CO emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. 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
18. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. Fuel sulfur content shall be determined using EPA Method 11 or Method 15. [District Rule 4320] Federally Enforceable Through Title V Permit
22. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 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.

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. Permittee shall keep an ongoing record of the combined emissions for permit unit S-1203-16, S-1203-20, and S-1203-22 for each calendar year. The record shall be updated at least monthly. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
25. Permittee shall maintain records of the type and amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)] Federally Enforceable Through Title V Permit
26. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 4305, 4306, and 4320 and 40 CFR 60.48c(i)] 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: S-1203-17-3

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

113 BHP FORD MODEL WSG1068 NATURAL GAS/LPG-FIRED RICH BURN EMERGENCY STANDBY IC ENGINE WITH PCV, "EMIT" 3 WAY NSCR AND AUTOMATIC AIR/FUEL RATIO CONTROLLER, 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. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. {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]
4. This engine shall only be fired on PUC quality natural gas, LPG, or propane. [District Rule 2201] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-selective catalyst installed on the exhaust stack. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from this engine shall not exceed any of the following limits: 1.0 g-NOx/hp-hr, 0.0094 g-SOx/hp-hr, 0.0329 g-PM10/hp-hr, 3.73 g-CO/hp-hr, or 0.50 g-VOC/hp-hr. [District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rules 2201 and 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 2201 and 4702, and 40 CFR 63 Subpart ZZZZ] 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

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 Rule 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 Rule 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 2520, 9.4 and 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. On and after October 19, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. The engine's spark plugs shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rules 1070 and 2520, 9.4 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
22. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4, 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-20-5

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

63 MMBTU/HR NEBRASKA MODEL NOS-2-525 NATURAL GAS-FIRED BOILER EQUIPPED WITH ALZETA ULTRA LO-NOX BURNER MODEL CSB30-3SO-30/30/EC

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
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 unit shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4301, and 4320] Federally Enforceable Through Title V Permit
5. Permittee shall demonstrate that the combusted gas is provided from a PUC regulated source. [District Rule 4320] Federally Enforceable Through Title V Permit
6. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 7 ppmvd-NOx @ 3% O2 or 0.0085 lb-NOx/MMBtu, 0.0029 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 80 ppmvd-CO @ 3% O2, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320, and 4801] Federally Enforceable Through Title V Permit
7. The combined annual emissions from permit units S-1203-16, S-1203-20, and S-1203-22 shall not exceed any of the following limits: 15,611 lb-NOx; 16,343 lb-SOx; 11,132 lb-PM10; 64,649 lb-CO; or 8,238 lb-VOC. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
9. 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.

10. 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
11. 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
12. 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
13. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320 (adopted 10/16/2008). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. Source testing to measure NO_x and CO emissions from this unit while fired on natural gas shall be conducted within 60 days of initial start-up. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. Source testing to measure NO_x and CO emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. 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
18. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, 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.

21. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, and 4320] 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. Permittee shall keep an ongoing record of the combined emissions for permit unit S-1203-16, S-1203-20, and S-1203-22 for each calendar year. The record shall be updated at least monthly. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
24. Permittee shall maintain records of the type and amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)] Federally Enforceable Through Title V Permit
25. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 4305, 4306, and 4320 and 40 CFR 60.48c(i)] 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: S-1203-21-2

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

STEAM-HEATED LACTOSE DRYER SERVED BY TWO MULLBERRY HILL C&E BAGHOUSES, EQUIPPED WITH A LACTOSE MILL SERVED BY ONE MULLBERRY HILL C&E 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. The lactose dryer and lactose mill shall not operate for more than 7,965 hours per year, each. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Airflow rate from the baghouses serving the lactose dryer shall not exceed 15,000 dscfm each. Airflow rate from the baghouse serving the lactose mill shall not exceed 12,000 dscfm. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse 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 dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [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 and 40 CFR 64] Federally Enforceable Through Title V Permit
8. The baghouse shall operate at all times with a minimum differential pressure of 0.5 inches water column and a maximum differential pressure of 10 inches water column. [40 CFR 64] Federally Enforceable Through Title V Permit
9. Differential operating pressure shall be monitored and recorded on each day that the unit operates. [District Rule 2201 and 40 CFR 64] Federally Enforceable Through Title V Permit
10. During each day of operation, the permittee shall record the pressure drop of the baghouse, and compare the readings with the acceptable range. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR 64] Federally Enforceable Through Title V Permit
11. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emissions from the baghouse shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101, and 40 CFR 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. 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. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 4201, 4202, and 2520, 9.4.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
14. Emissions from the exhaust of the baghouses serving the lactose dryer and lactose mill shall not exceed 0.002 gr/dscf. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
15. Permittee shall record the daily and annual hours of operation of the lactose dryer and lactose mill. [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. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit
18. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR Part 64.9. [40 CFR 64] Federally Enforceable Through Title V Permit
19. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR 64] Federally Enforceable Through Title V Permit
20. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-22-2

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

90 MMBTU/HR NEBRASKA MODEL NS E 655 NATURAL GAS-FIRED BOILER WITH A JOHN ZINK TODD LOW NOX BURNER, FLUE GAS RECIRCULATION, AND A URS CORPORATION SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. 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 unit shall only be fired on PUC-quality natural gas. [District Rules 2201, 4301, and 4320] Federally Enforceable Through Title V Permit
5. 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
6. Except during startup, emissions from the natural gas-fired boiler shall not exceed any of the following limits: 5 ppmvd-NOx @ 3% O2 or 0.0061 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd-CO @ 3% O2 or 0.037 lb-CO/MMBtu, 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320, and 4801] Federally Enforceable Through Title V Permit
7. During startup, emissions from the natural gas-fired boiler shall not exceed 30 ppmvd-NOx @ 3% O2 or 0.036 lb-NOx/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ammonia (NH3) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O2. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
9. The combined annual emissions from permit units S-1203-16, S-1203-20, and S-1203-22 shall not exceed any of the following limits: 15,611 lb-NOx; 16,343 lb-SOx; 11,132 lb-PM10; 64,649 lb-CO; or 8,238 lb-VOC. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Duration of start-up shall not exceed either of the following: 2 hours per occurrence or 4 hours per day. During start-up, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. Start-up is defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. [District Rules 4306 and 4320] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 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 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
14. The permittee shall monitor and record the stack concentration of NH₃ at least once during each month in which a source test is not performed. NH₃ monitoring shall be conducted utilizing District approved gas-detection tubes or a District approved equivalent method. 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
15. NH₃ emission readings shall be conducted at the time the NO_x, CO, and O₂ readings are taken. The NH₃ readings shall be converted to ppmvd and corrected to 3% O₂. [District Rule 4102]
16. If the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, or the NH₃ concentrations corrected to 3% O₂, as measured by District approved gas-detection tubes, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. All NO_x, CO, O₂, and NH₃ 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 NO_x, CO, and O₂ analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. NH₃ emission readings shall be measured in accordance with the gas sample tube manufacturer's specifications and recommendations. 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 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320 (adopted 10/16/2008). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. Source testing to measure NO_x, CO, and NH₃ emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 2201, 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] 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. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 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.

23. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
25. Fuel sulfur content shall be determined using EPA Method 11 or Method 15. [District Rule 4320] Federally Enforceable Through Title V Permit
26. Source testing for ammonia emissions shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 2201] Federally Enforceable Through Title V Permit
27. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
28. 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
29. The permittee shall maintain records of: (1) the date and time of NO_x, CO, O₂ and NH₃ measurements, (2) the O₂ concentration in percent and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
30. Permittee shall maintain records of the type and amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)] Federally Enforceable Through Title V Permit
31. Daily records of startup durations and number of occurrences of each shall be maintained. [District Rules 2201, 4306, and 4320] Federally Enforceable Through Title V Permit
32. Permittee shall keep an ongoing record of the combined emissions for permit unit S-1203-16, S-1203-20, and S-1203-22 for each calendar year. The record shall be updated at least monthly. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
33. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 4305, 4306, and 4320 and 40 CFR 60.48c(i)] 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: S-1203-23-2

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

3500 CU FT LACTOSE POWDER SILO WITH BIN VENT FILTER (RECEIVING PRODUCT FROM THE KASON VIBROSCREEN SIFTER)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The bin vent filter shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Airflow rate from the bin vent filter serving the lactose storage silo shall not exceed 1,250 dscfm. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The lactose storage silo shall not be loaded for more than 7,965 hours per year, each. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in the bin vent filter shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the bin vent filter shall not 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
9. Emissions from the exhaust of the bin vent filter serving the lactose storage silo shall not exceed 0.002 gr/dscf. [District Rule 2201 and 4202] Federally Enforceable Through Title V Permit
10. Records of all maintenance of the bin vent filter, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall record the daily and annual hours of loading of the lactose storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] 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. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and and 2520, 9.4.2] 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: S-1203-25-1

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

209 BHP JOHN DEERE MODEL CLARKE 6068HFC48 (S/N PE6068L269427) TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
3. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.41 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115]
7. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. 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
9. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

DRAFT

ATTACHMENT B

Previous Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-1203-0-1

EXPIRATION DATE: 01/31/2019

FACILITY-WIDE REQUIREMENTS

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: SAPUTO CHEESE USA INC
Location: 800 E PAIGE AVE, TULARE, CA 93274
S-1203-0-1: May 13 2019 1:27PM - TORID

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 Tulare County Rule 401] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
40. On January 31, 2014, 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: S-1203-8-11

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

NIRO INC. MULTI-STAGE TYPE MSD 500 SPRAY DRYER WITH 15.0 MMBTU/HR NATURAL GAS/LPG DIRECT-FIRED MAXON ULTRA LOW NOX CROSSFIRE LINE BURNER, DRYING CHAMBER, EXHAUST AIR SYSTEM WITH FLUIDIZER ASSEMBLY, CYCLONE AND BAGHOUSE FILTER

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. The dryer shall only be fired on natural gas with LPG as a backup fuel. [District Rules 2201, 4201, 4301, 4320, and 4801] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Permittee shall determine sulfur content of the natural gas combusted annually or shall demonstrate that the natural gas combusted is provided from a PUC or FERC regulated source. Permittee shall also determine sulfur content of the LPG combusted annually or shall demonstrate that the LPG combusted is provided from a commercial LPG source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
5. Burner emissions from fuel combustion shall not exceed the following: NOx: 2.2 ppmv @ stack conditions (if > 19% O₂, otherwise corrected to 19% O₂) or 0.0243 lb/MMBtu, CO: 42 ppmv @ 19% O₂ (if > 19% O₂, otherwise corrected to 19% O₂) or 0.2924 lb/MMBtu, VOC: 0.0055 lb/MMBtu, PM10: 0.0076 lb/MMBtu, or SOx (calculated as SO₂) 0.0029 lb/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
6. Non-combustion PM10 emissions from baghouse shall not exceed 0.344 lb/ton. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
7. Maximum daily production of the Whey Protein Concentrate (WPC) shall not exceed 70 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
9. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320 (adopted 10/16/2008). [District Rules 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
10. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, 4309, 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.

11. Source testing of the burner to measure natural gas-combustion NO_x and CO emissions shall be conducted at least once every 24 months thereafter. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
12. 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
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
14. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
15. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
16. When testing the burner's emissions, all test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] 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 4305, 4306, 4309, and 4320] Federally Enforceable Through Title V Permit
18. Fuel sulfur content shall be determined using EPA Method 11 or Method 15. [District Rule 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, 4309, and 4320] Federally Enforceable Through Title V Permit
20. 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 the performing the notification and testing required by this condition. [District Rule 4309] 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, 4309, 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 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
23. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [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.

24. 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
25. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
26. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
27. 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
28. Daily log of WPC productions shall be maintained, kept, and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
30. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
31. Dust collector filters 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 2520, 9.3.2] Federally Enforceable Through Title V Permit
32. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
33. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2, 4305, 4306, 4309, and 4320 and 40 CFR 60.48c(i)] 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: S-1203-9-7

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

22.4 MMBTU/HR NIRO INC. TALL FORM DIRECT HEAT SPRAY DRYER MODEL 1600 CONSISTING OF FEED SYSTEM, DRYING CHAMBER, HOLDING BELT, AND WET SCRUBBER

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Dryer shall be fired only on natural gas except LPG may be burned when natural gas has been curtailed. [District Rules 2201, 4201, 4301, and 4801] Federally Enforceable Through Title V Permit
3. Dryer shall be equipped with operational fuel gauge to Niro burners. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Scrubber liquid supply (at inlet to scrubber) shall have an operational flow meter. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Scrubber, including sprays and nozzles, shall be maintained in optimum working condition. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Scrubber shall be equipped with an operational differential pressure gauge to indicate the pressure drop across the unit. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All dryer exhaust gas shall be scrubbed in scrubber. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Scrubbed emissions from the dryer shall not exceed any of the following: PM10 0.56 lb/ton deproteinized whey produced; NOx 1.8 ppmv at stack conditions (0.02 lb/MMBtu) calculated as NO2; CO 21.3 ppmv at stack conditions (0.1481 lb/MMBtu); VOC 0.13 lb/hr; or SOx 0.07 lb/hr (calculated as SO2). [District Rules 2201, 4202, and 4309] Federally Enforceable Through Title V Permit
9. Compliance testing shall be conducted at a firing rate of at least 80% of the maximum firing rate. If test results extrapolated to 100% firing rate (lb/hr emissions x 100/percent firing rate) do not project compliance, firing rate shall be limited to that measured during test which demonstrated compliance. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Maximum daily production of dried whey products shall not exceed 280 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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.

12. 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
13. 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
14. Source testing to measure PM₁₀ emissions from the scrubber exhaust gas shall be conducted annually using EPA Method 5, or CARB 501 in combination with CARB 5. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Source testing to measure NO_x and CO emissions from this unit shall be conducted at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
16. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309 (adopted 12-15-2005). [District Rule 4309] Federally Enforceable Through Title V Permit
17. 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
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 Rule 4309] Federally Enforceable Through Title V Permit
19. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
20. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
21. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
22. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
23. The results of each compliance test shall be submitted to the District within 60 days. [District Rule 1081] Federally Enforceable Through Title V Permit
24. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. Records of monthly average fuel flow to dryer shall be kept for 5 years and shall be made readily available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
26. If fuel firing rate to dryer is limited to that measured during the source test as required by Condition 9, records of daily fuel flow to dryer shall be kept. [District Rule 1070 and 2520] Federally Enforceable Through Title V Permit
27. Permittee shall maintain daily records of dried whey production. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Pressure differential across the scrubber shall be observed and recorded weekly during operation of this unit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. Records of pressure differential across the scrubber shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
30. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4, 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: S-1203-10-3

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

37,375 GALLON (5,000 CU. FT.) WHEY POWDER STORAGE SILO "A" WITH BIN VENT, 3 HP POWER SILO BIN DISCHARGER, AND 2 HP EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Maximum quantity of dried whey powder conveyed into this silo shall not exceed 280 tons/day. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
3. The total throughput of dried whey products handled by the silos S-1203-10 and S-1203-11 shall not exceed 280 tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. PM10 emissions from bin vent filters shall not exceed 0.015 lb/ton of powder conveyed into silo. [District Rules 2201, 4201, and 4202] Federally Enforceable Through Title V Permit
5. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
7. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
9. Permittee shall maintain a daily record of the quantity of dry powder conveyed into this silo and the total daily throughput of silos S-1203-10 and S-1203-11. Records shall be kept for a period of five years and made available for District inspection upon request. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-11-3

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

37,375 GALLON (5,000 CU. FT.) WHEY POWDER STORAGE SILO "B" WITH BIN VENT, 3 HP POWER SILO BIN DISCHARGER, AND 2 HP EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Maximum quantity of dried whey powder conveyed into this silo shall not exceed 280 tons/day. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
3. The total throughput of dried whey products handled by the silos S-1203-10 and S-1203-11 shall not exceed 280 tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. PM10 emissions from bin vent filters shall not exceed 0.015 lb/ton of powder conveyed into silo. [District Rules 2201, 4201, and 4202] Federally Enforceable Through Title V Permit
5. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
7. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
9. Permittee shall maintain a daily record of the quantity of dry powder conveyed into this silo and the total daily throughput of silos S-1203-10 and S-1203-11. Records shall be kept for a period of five years and made available for District inspection upon request. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-12-3

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

26,162 GALLON (3,500 CU. FT.) WHEY POWDER STORAGE SILO "C" WITH BIN VENT, 3 HP POWDER SILO BIN DISCHARGER, 2 HP BIN VENT EXHAUST FAN, AND 1 HP CONVEY-THRU ROTARY AIRLOCK

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. PM10 emissions from bin vent filters shall not exceed 0.015 lb/ton of powder conveyed into silo. [District Rules 2201, 4201, and 4202] Federally Enforceable Through Title V Permit
4. Maximum quantity of dried whey powder conveyed into silo shall not exceed 70 tons/day. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
5. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
7. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
9. Permittee shall maintain a daily record of the quantity of dry powder conveyed into the silo. Records shall be kept for a period of five years and made available for District inspection upon request. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-13-1

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

AVAPAC BULK BAG FILLING SYSTEM INCLUDING MODEL C-63-00 BULK BAG FILLING MACHINE, 350 CUBIC FOOT SURGE HOPPER WITH NUCON BIN VENT SERVED BY A MODEL NCRD 102-100-3T DUST COLLECTOR SHARED WITH S-1203-14 AND S-1203-15

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. The maximum daily whey products processed by this Avapac Bulk Bag filling system shall not exceed 280 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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
5. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
6. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [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. PM10 emissions shall not exceed 0.004 lb/ton of product. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
9. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
11. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] 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. Permittee shall maintain accurate records of daily whey production. Records shall be made readily available for District inspection upon request for a period of 5 years. [District Rule 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: S-1203-14-3

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

AVAPAC CAROUSEL BAG FILLING SYSTEM INCLUDING 350 CUBIC FOOT SURGE HOPPER WITH NUCON BIN VENT VENTED TO THE DUST CONTROL SYSTEM LISTED ON S-1203-13

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. The maximum daily whey products processed by this Avapac Carousel bagging system shall not exceed 280 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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
5. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
6. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [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. PM10 emissions shall not exceed 0.004 lb/ton of product. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
9. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
11. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] 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. Permittee shall maintain accurate records of daily whey production. Records shall be made readily available for District inspection upon request for a period of 5 years. [District Rule 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: S-1203-15-1

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

AVAPAC INLINE BAG FILLING SYSTEM INCLUDING 350 CUBIC FOOT POWDER SURGE HOPPER SERVED BY DUST COLLECTOR LISTED WITH S-1203-13

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. The maximum daily whey products processed by this Avapac Inline bagging system shall not exceed 280 ton/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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
5. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
6. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [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. PM10 emissions shall not exceed 0.004 lb/ton of product. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
9. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
11. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] 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. Permittee shall maintain accurate records of daily whey production. Records shall be made readily available for District inspection upon request for a period of 5 years. [District Rule 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: S-1203-16-4

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

99 MMBTU/HR UNION IRON WORKS MODEL MH NATURAL GAS/PROPANE-FIRED FORCED DRAFT BOILER WITH VARIABLE FREQUENCY DRIVE BLOWER, TODD RAPID MIX BURNER, AND FLUE GAS RECIRCULATION

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
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 boiler shall only be fired on PUC-regulated natural gas or propane. [District Rules 2201, 4301, and 4320] Federally Enforceable Through Title V Permit
5. Permittee shall demonstrate that the natural gas combusted is provided from a PUC regulated source and shall determine the sulfur content of propane combusted annually or demonstrate that the propane combusted is provided from a commercial propane source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
6. Emission rates from natural gas or propane firing shall not exceed any of the following: 7 ppmvd-NO_x @ 3% O₂ or 0.0085 lb-NO_x/MMBtu, 0.008 lb-PM₁₀/MMBtu, 0.006 lb-VOC/MMBtu, 0.017 lb-SO_x (as SO₂)/MMBtu, or 50 ppmvd-CO @ 3% O₂. [District Rules 2201, 4305, 4306, 4320, and 4801] Federally Enforceable Through Title V Permit
7. The combined annual emissions from permit units S-1203-16, S-1203-20, and S-1203-22 shall not exceed any of the following limits: 15,611 lb-NO_x; 16,343 lb-SO_x; 11,132 lb-PM₁₀; 64,649 lb-CO; or 8,238 lb-VOC. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
9. 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
10. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. 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
12. 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
13. Source test to demonstrate compliance with NO_x and CO emission limits while firing on propane shall be conducted within 60 days of the initial propane firing. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
14. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320 (adopted 10/16/2008). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. Source testing to measure NO_x and CO emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. 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
18. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
21. Fuel sulfur content shall be determined using EPA Method 11 or Method 15. [District Rule 4320] Federally Enforceable Through Title V Permit
22. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 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.

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. Permittee shall keep an ongoing record of the combined emissions for permit unit S-1203-16, S-1203-20, and S-1203-22 for each calendar year. The record shall be updated at least monthly. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
25. Permittee shall maintain records of the type and amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)] Federally Enforceable Through Title V Permit
26. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 4305, 4306, and 4320 and 40 CFR 60.48c(i)] 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: S-1203-17-2

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

113 BHP FORD MODEL WSG1068 NATURAL GAS/LPG-FIRED RICH BURN EMERGENCY STANDBY IC ENGINE WITH PCV, "EMIT" 3 WAY NSCR AND AUTOMATIC AIR/FUEL RATIO CONTROLLER, 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. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. This engine shall only be fired on PUC quality natural gas, LPG, or propane. [District Rule 2201] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-selective catalyst installed on the exhaust stack. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emissions from this engine shall not exceed any of the following limits: 1.0 g-NOx/hp-hr, 0.0094 g-SOx/hp-hr, 0.0329 g-PM10/hp-hr, 3.73 g-CO/hp-hr, or 0.50 g-VOC/hp-hr. [District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rules 2201 and 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 2201 and 4702, and 40 CFR 63 Subpart ZZZZ] 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

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 Rule 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 Rule 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 2520, 9.4 and 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. On and after October 19, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. The engine's spark plugs shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rules 1070 and 2520, 9.4 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
22. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4, 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-20-4

EXPIRATION DATE: 01/31/2019

SECTION: SW14 **TOWNSHIP:** 20S **RANGE:** 24E

EQUIPMENT DESCRIPTION:

63 MMBTU/HR NEBRASKA MODEL NOS-2-525 NATURAL GAS-FIRED BOILER EQUIPPED WITH ALZETA ULTRA LO-NOX BURNER MODEL CSB30-3SO-30/30/EC

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
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 unit shall only be fired on PUC-regulated natural gas. [District Rules 2201, 4301, and 4320] Federally Enforceable Through Title V Permit
5. Permittee shall demonstrate that the combusted gas is provided from a PUC regulated source. [District Rule 4320] Federally Enforceable Through Title V Permit
6. Emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 7 ppmvd-NO_x @ 3% O₂ or 0.0085 lb-NO_x/MMBtu, 0.0029 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 80 ppmvd-CO @ 3% O₂, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320, and 4801] Federally Enforceable Through Title V Permit
7. The combined annual emissions from permit units S-1203-16, S-1203-20, and S-1203-22 shall not exceed any of the following limits: 15,611 lb-NO_x; 16,343 lb-SO_x; 11,132 lb-PM₁₀; 64,649 lb-CO; or 8,238 lb-VOC. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
9. 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

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10. 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
11. 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
12. 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
13. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320 (adopted 10/16/2008). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. Source testing to measure NOx and CO emissions from this unit while fired on natural gas shall be conducted within 60 days of initial start-up. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. Source testing to measure NOx and CO emissions from this unit while fired on natural gas shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. 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
18. 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 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [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.

21. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, and 4320] 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. Permittee shall keep an ongoing record of the combined emissions for permit unit S-1203-16, S-1203-20, and S-1203-22 for each calendar year. The record shall be updated at least monthly. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
24. Permittee shall maintain records of the type and amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)] Federally Enforceable Through Title V Permit
25. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 4305, 4306, and 4320 and 40 CFR 60.48c(i)] 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: S-1203-21-1

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

STEAM-HEATED LACTOSE DRYER SERVED BY TWO MULLBERRY HILL C&E BAGHOUSES, EQUIPPED WITH A LACTOSE MILL SERVED BY ONE MULLBERRY HILL C&E 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. The lactose dryer and lactose mill shall not operate for more than 7,965 hours per year, each. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Airflow rate from the baghouses serving the lactose dryer shall not exceed 15,000 dscfm each. Airflow rate from the baghouse serving the lactose mill shall not exceed 12,000 dscfm. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse 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 dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [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. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the baghouses shall not 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
11. Emissions from the exhaust of the baghouses serving the lactose dryer and lactose mill shall not exceed 0.002 gr/dscf. [District Rules 2201 and 4202] Federally Enforceable Through Title V Permit
12. Permittee shall record the daily and annual hours of operation of the lactose dryer and lactose mill. [District Rule 2201] Federally Enforceable Through Title V Permit
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-22-1

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

90 MMBTU/HR NEBRASKA MODEL NS E 655 NATURAL GAS-FIRED BOILER WITH A JOHN ZINK TODD LOW NOX BURNER, FLUE GAS RECIRCULATION, AND A URS CORPORATION SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. 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 unit shall only be fired on PUC-quality natural gas. [District Rules 2201, 4301, and 4320] Federally Enforceable Through Title V Permit
5. 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
6. Except during startup, emissions from the natural gas-fired boiler shall not exceed any of the following limits: 5 ppmvd-NOx @ 3% O2 or 0.0061 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 50 ppmvd-CO @ 3% O2 or 0.037 lb-CO/MMBtu, 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, 4320, and 4801] Federally Enforceable Through Title V Permit
7. During startup, emissions from the natural gas-fired boiler shall not exceed 30 ppmvd-NOx @ 3% O2 or 0.036 lb-NOx/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ammonia (NH3) emissions from the exhaust of the SCR system serving this boiler shall not exceed 10 ppmvd @ 3% O2. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
9. The combined annual emissions from permit units S-1203-16, S-1203-20, and S-1203-22 shall not exceed any of the following limits: 15,611 lb-NOx; 16,343 lb-SOx; 11,132 lb-PM10; 64,649 lb-CO; or 8,238 lb-VOC. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Duration of start-up shall not exceed either of the following: 2 hours per occurrence or 4 hours per day. During start-up, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. Start-up is defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. [District Rules 4306 and 4320] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 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 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
14. The permittee shall monitor and record the stack concentration of NH₃ at least once during each month in which a source test is not performed. NH₃ monitoring shall be conducted utilizing District approved gas-detection tubes or a District approved equivalent method. 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 one day of restarting the unit unless monitoring has been performed within the last month. [District Rule 4102]
15. NH₃ emission readings shall be conducted at the time the NO_x, CO, and O₂ readings are taken. The NH₃ readings shall be converted to ppmvd and corrected to 3% O₂. [District Rule 4102]
16. If the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, or the NH₃ concentrations corrected to 3% O₂, as measured by District approved gas-detection tubes, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. All NO_x, CO, O₂, and NH₃ 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 NO_x, CO, and O₂ analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. NH₃ emission readings shall be measured in accordance with the gas sample tube manufacturer's specifications and recommendations. 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 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4320 (adopted 10/16/2008). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. Source testing to measure NO_x, CO, and NH₃ emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 2201, 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] 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. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 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.

23. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
24. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
25. Fuel sulfur content shall be determined using EPA Method 11 or Method 15. [District Rule 4320] Federally Enforceable Through Title V Permit
26. Source testing for ammonia emissions shall be conducted utilizing BAAQMD Method ST-1B. [District Rule 2201] Federally Enforceable Through Title V Permit
27. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
28. 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
29. The permittee shall maintain records of: (1) the date and time of NO_x, CO, O₂ and NH₃ measurements, (2) the O₂ concentration in percent and the measured NO_x, CO, and NH₃ concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, (5) the method of determining the NH₃ emission concentration, and (6) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4102, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
30. Permittee shall maintain records of the type and amount of each fuel combusted during each calendar month. [40 CFR 60.48c(g)] Federally Enforceable Through Title V Permit
31. Daily records of startup durations and number of occurrences of each shall be maintained. [District Rules 2201, 4306, and 4320] Federally Enforceable Through Title V Permit
32. Permittee shall keep an ongoing record of the combined emissions for permit unit S-1203-16, S-1203-20, and S-1203-22 for each calendar year. The record shall be updated at least monthly. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
33. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 4305, 4306, and 4320 and 40 CFR 60.48c(i)] 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: S-1203-23-1

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

3500 CU FT LACTOSE POWDER SILO WITH BIN VENT FILTER (RECEIVING PRODUCT FROM THE KASON VIBROSCREEN SIFTER)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The bin vent filter shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Airflow rate from the bin vent filter serving the lactose storage silo shall not exceed 1,250 dscfm. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The lactose storage silo shall not be loaded for more than 7,965 hours per year, each. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in the bin vent filter shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the bin vent filter shall not 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
9. Emissions from the exhaust of the bin vent filter serving the lactose storage silo shall not exceed 0.002 gr/dscf. [District Rule 2201 and 4202] Federally Enforceable Through Title V Permit
10. Records of all maintenance of the bin vent filter, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall record the daily and annual hours of loading of the lactose storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Visible emissions from the source during operation shall be evaluated using EPA method 22 at least once per calendar quarter. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be eliminated within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Records of visible emissions monitoring results shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4] 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. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Records of vent filter maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1203-25-0

EXPIRATION DATE: 01/31/2019

EQUIPMENT DESCRIPTION:

209 BHP JOHN DEERE MODEL CLARKE 6068HFC48 (S/N PE6068L269427) TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
3. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.41 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115]
7. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. 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
9. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

ATTACHMENT C

Detailed Summary List of Facility Permits

Detailed Facility Report

For Facility=1203, excluding Deleted Permits and excluding CMP Only Facilities

5/13/19
1:23 pm

Sorted by Facility Name and Permit Number

SAPUTO CHEESE USA INC		FAC #	S 1203	TYPE:	TitleV	EXPIRE ON:
800 E PAIGE AVE		STATUS:	A	TOXIC ID:	60262	AREA:
TULARE, CA 93274		TELEPHONE:	8472671100		INSP. DATE:	04/20

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-1203-8-11	15.0 MMBtu/hr burner	3020-02 H	1	1,183.00	1,183.00	A	NIRO INC. MULTI-STAGE TYPE MSD 500 SPRAY DRYER WITH 15.0 MMBTU/HR NATURAL GAS/LPG DIRECT-FIRED MAXON ULTRA LOW NOX CROSSFIRE LINE BURNER, DRYING CHAMBER, EXHAUST AIR SYSTEM WITH FLUIDIZER ASSEMBLY, CYCLONE AND BAGHOUSE FILTER
S-1203-9-7	22.4 MMBTU/HR DRYER	3020-02 H	1	1,183.00	1,183.00	A	22.4 MMBTU/HR NIRO INC. TALL FORM DIRECT HEAT SPRAY DRYER MODEL 1600 CONSISTING OF FEED SYSTEM, DRYING CHAMBER, HOLDING BELT, AND WET SCRUBBER
S-1203-10-3	37.375 GALLONS	3020-05 C	1	157.00	157.00	A	37.375 GALLON (5,000 CU. FT.) WHEY POWDER STORAGE SILO "A" WITH BIN VENT, 3 HP POWER SILO BIN DISCHARGER, AND 2 HP EXHAUST FAN
S-1203-11-3	37.375 GALLONS	3020-05 C	1	157.00	157.00	A	37.375 GALLON (5,000 CU. FT.) WHEY POWDER STORAGE SILO "B" WITH BIN VENT, 3 HP POWER SILO BIN DISCHARGER, AND 2 HP EXHAUST FAN
S-1203-12-3	26.162 gallons	3020-05 C	1	157.00	157.00	A	26.162 GALLON (3,500 CU. FT.) WHEY POWDER STORAGE SILO "C" WITH BIN VENT, 3 HP POWDER SILO BIN DISCHARGER, 2 HP BIN VENT EXHAUST FAN, AND 1 HP CONVEY-THRU ROTARY AIRLOCK
S-1203-13-1	3.75 HORSEPOWER	3020-01 A	1	102.00	102.00	A	AVAPAC BULK BAG FILLING SYSTEM INCLUDING MODEL C-63-00 BULK BAG FILLING MACHINE, 350 CUBIC FOOT SURGE HOPPER WITH NUCON BIN VENT SERVED BY A MODEL NCRD 102-100-3T DUST COLLECTOR SHARED WITH S-1203-14 AND S-1203-15
S-1203-14-3	39.5 HORSEPOWER	3020-01 B	1	136.00	136.00	A	AVAPAC CAROUSEL BAG FILLING SYSTEM INCLUDING 350 CUBIC FOOT SURGE HOPPER WITH NUCON BIN VENT VENTED TO THE DUST CONTROL SYSTEM LISTED ON S-1203-13
S-1203-15-1	55.5 HORSEPOWER	3020-01 C	1	228.00	228.00	A	AVAPAC INLINE BAG FILLING SYSTEM INCLUDING 350 CUBIC FOOT POWDER SURGE HOPPER SERVED BY DUST COLLECTOR LISTED WITH S-1203-13
S-1203-16-4	99 MMBtu/hr	3020-02 H	1	1,183.00	1,183.00	A	99 MMBTU/HR UNION IRON WORKS MODEL MH NATURAL GAS/PROPANE-FIRED FORCED DRAFT BOILER WITH VARIABLE FREQUENCY DRIVE BLOWER, TODD RAPID MIX BURNER, AND FLUE GAS RECIRCULATION
S-1203-17-2	113 bhp	3020-10 B	1	136.00	136.00	A	113 BHP FORD MODEL WSG1068 NATURAL GAS/LPG-FIRED RICH BURN EMERGENCY STANDBY IC ENGINE WITH PCV, "EMIT" 3 WAY NSCR AND AUTOMATIC AIR/FUEL RATIO CONTROLLER, POWERING AN ELECTRICAL GENERATOR
S-1203-20-4	63 MMBtu/hr	3020-02 H	1	1,183.00	1,183.00	A	63 MMBTU/HR NEBRASKA MODEL NOS-2-525 NATURAL GAS-FIRED BOILER EQUIPPED WITH ALZETA ULTRA LO-NOX BURNER MODEL CSB30-3SO-30/30/EC

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-1203-21-1	232 electrical HP	3020-01 E	1	473.00	473.00	A	STEAM-HEATED LACTOSE DRYER SERVED BY TWO MULLBERRY HILL C&E BAGHOUSES. EQUIPPED WITH A LACTOSE MILL SERVED BY ONE MULLBERRY HILL C&E BAGHOUSE
S-1203-22-1	90 MMBtu/hr	3020-02 H	1	1,183.00	1,183.00	A	90 MMBTU/HR NEBRASKA MODEL NS E 655 NATURAL GAS-FIRED BOILER WITH A JOHN ZINK TODD LOW NOX BURNER, FLUE GAS RECIRCULATION, AND A URS CORPORATION SELECTIVE CATALYTIC REDUCTION (SCR) SYSTEM
S-1203-23-1	26,181 gallons	3020-05 C	1	157.00	157.00	A	3500 CU FT LACTOSE POWDER SILO WITH BIN VENT FILTER (RECEIVING PRODUCT FROM THE KASON VIBROSCREEN SIFTER)
S-1203-25-0	209 bhp IC engine	3020-10 C	1	277.00	277.00	A	209 BHP JOHN DEERE MODEL CLARKE 6068HFC48 (S/N PE6068L269427) TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

Number of Facilities Reported: 1