



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



HEALTHY AIR LIVING™

DEC 19 2013

Mr. Sy Dang Le
California Dairies, Inc.
P O Box 837
Tipton, CA 93272

Re: Notice of Preliminary Decision – Title V Permit Renewal
District Facility # S-1346
Project # S-1130176

Dear Mr. Le:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for California Dairies, Inc. at 11894 Avenue 120 in Tipton, 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,

David Warner
Director of Permit Services

DW:HR/st

Enclosures

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

Sayed Sadredin
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**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
California Dairies, Inc.**

S-1346

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TITLE V PERMIT RENEWAL EVALUATION

Dry, Condensed, and Evaporated Dairy Products

Engineer: Homero Ramirez
Date: November 7, 2013

Facility Number: S-1346
Facility Name: California Dairies, Inc.
Mailing Address: P O Box 837
Tipton, CA 93272

Contact Name: Sy Dang Le
Phone: (559) 233-5154 x119

Responsible Official: Sy Dang Le
Title: Director of Environmental Compliance

Project # : S-1130176
Deemed Complete: February 5, 2013

I. PROPOSAL

California Dairies, Inc. was issued a Title V permit on December 3, 2003. 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 last renewal of the Title V permit, which occurred on October 19, 2009.

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

California Dairies, Inc. (facility S-1346) is located at 11894 Avenue 120 in Tipton, 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 not proposing to use any model general permit templates as a part of this Title V renewal project.

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

The following applicable federally-enforceable rules have been updated since the last renewal of the Title V permit, which occurred on October 19, 2009:

- District Rule 2020, Exemptions
(amended December 20, 2007 ⇒ amended August 18, 2011)
- District Rule 2201, New and Modified Stationary Source Review Rule
(amended December 18, 2008 ⇒ amended April 21, 2011)
- District Rule 4601, Architectural Coatings
(amended October 31, 2001 ⇒ amended December 17, 2009)
- District Rule 4702, Internal Combustion Engines
(amended January 18, 2007 ⇒ amended August 18, 2011)
- 40 CFR Part 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Industrial Steam Generators
(amended January 28, 2009)
- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion
(amended January 30, 2013)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM)

The following regulations, which have been amended after the last permit renewal, do not apply as explained in Section VIII (Permit Requirements):

- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
(amended June 28, 2011)
- 40 CFR Part 60, Subpart KKKK, Standards of Performance for Stationary Combustion Turbines
- 40 CFR Part 63, Subpart OO, National Emission Standards for Tanks – Level 1
(amended June 23, 2003)
- 40 CFR Part 63, Subpart PP, National Emission Standards for Containers
(amended June 23, 2003)
- 40 CFR Part 63, Subpart YYYY, National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines
(amended March 5, 2004)
- 40 CFR Part 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters
(amended January 31, 2013)
- 40 CFR Part 63, Subpart JJJJJJ, National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers Area Sources

B. Rules Adopted

No new applicable federally-enforceable rules have been adopted since the last renewal of the Title V permit. However, because certain requirements of Rule 4320 have taken effect after the last permit renewal, Rule 4320, which was adopted on 10/16/08, will be discussed.

- District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr
(adopted October 16, 2008)

C. Rules Not Updated

- District Rule 1081, Source Sampling
(amended December 16, 1993)
- District Rule 2010, Permits Required
(amended December 17, 1992)
- District Rule 2031, Transfer of Permits
(amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications
(amended December 17, 1992)
- District Rule 2080, Conditional Approval
(amended December 17, 1992)
- District Rule 4101, Visible Emissions
(amended February 17, 2005)
- District Rule 4201, Particulate Matter Concentration
(amended December 17, 1992)
- District Rule 4202, Particulate Matter–Emission Rate
(amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment
(amended December 17, 1992)
- District Rule 4305, Boilers, Steam Generators, and Process Heaters–Phase 2
(amended August 21, 2003)
- District Rule 4306, Boilers, Steam Generators, and Process Heaters–Phase 3
(amended October 16, 2008)
- District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr
(adopted October 16, 2008)
- District Rule 4703, Stationary Gas Turbines
(amended September 20, 2007)

- District Rule 8011, General Requirements
(amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities
(amended August 19, 2004)
- District Rule 8031, Bulk Materials
(amended August 19, 2004)
- District Rule 8041, Carryout and Trackout
(amended August 19, 2004)
- District Rule 8051, Open Areas
(amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads
(amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas
(amended September 16, 2004)
- 40 CFR Part 60, Subpart GG, Standards of Performance for Stationary Gas Turbines
(amended February 24, 2006)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos
(amended September 18, 2003)
- 40 CFR Part 82, Subpart B, Servicing Motor Vehicle Air Conditioners
(amended June 18, 2008)
- 40 CFR Part 82, Subpart F, Stratospheric Ozone

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

A. Rules Not Updated

- District Rule 1070, Inspections
(amended December 17, 1992)
- District Rule 1100, Equipment Breakdown
(amended December 17, 1992)
- District Rule 1160, Emission Statements
(amended November 18, 1992)
- District Rule 2040, Applications
(amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits
(amended June 21, 2001)
- District Rule 4801, Sulfur Compounds
(amended December 17, 1992)
- District Rule 4102, Nuisance
(amended December 17, 1992)

VIII. PERMIT REQUIREMENTS

The purpose of this evaluation is to review changes to federally enforceable requirements. Therefore, this section will primarily address rules that have been amended or added since the 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 rule was amended in August 18, 2011. The amendments to this rule do not have any effect on current permit requirements and will therefore not be addressed in this evaluation.

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

District Rule 2201 has been amended since this facility's initial Title V permit was issued. This Title V permit renewal does not constitute a modification per section 3.25, defined as an action including at least one of the following items:

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

Therefore, the updated requirements of this rule are not applicable to the permits being renewed as a part of this project.

There are some changes related to Rule 2201 however, which were made as explained below:

Various permits:

Several permits for this facility referenced "NSR Rule" instead of "Rule 2201" in the rule reference section of the permit conditions. In accordance with current District practice, "NSR Rule" has been replaced facility wide with "District Rule 2201."

Permits S-1346-2 and -3:

ATCs S-1346-2-7 and S-1346-3-9, which were converted previously, were to restate the annual use limits of each of the two boilers. Each of the 21 MMBtu/hr boilers previously had been limited to 720 hr/yr of operation, and the ATCs were to replace this hourly limit with an equivalent fuel usage limit of 15,120 MMBtu/yr¹ for each boiler. Upon conversion of the ATCs, the 720 hr/yr limit was inadvertently left on the permits. With this renewal application, the 720 hr/yr limit was removed from the two permits.

¹ 21.0 MMBtu/hr x 720 hr/yr = 15,120 MMBtu/yr

C. District Rule 2520 - Federally Mandated Operating Permits

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

D. District Rule 4320 - Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr

Note that Rule 4320 was adopted on October 16, 2008, prior to this facility's previous Title V renewal. However there are certain requirements that took effect after the previous Title V renewal occurred, so compliance with this rule will be discussed.

Rule 4320 limits NO_x, CO, SO₂ and PM₁₀ emissions from boilers, steam generators and process heaters rated greater than 5 MMBtu/hr. Permit units S-1346-1, -2, and -3 (for three 21 MMBtu/hr natural gas-fired boilers), and permit units -18 and -19 (for two 31.5 MMBtu/hr natural gas-fired boilers) are subject to this rule.

A Rule 4320 Emission Control Plan (ECP) dated December 14, 2009 was submitted and was approved on 5/13/10 for this facility. A review of the ECP indicates that the five units comply with the requirements. As is explained below, units S-1346-1, -18, -19 comply with the emission limits of the rule, and units S-1346-2 and -3 are subject to the annual emission fee.

Section 5 - Requirements

Section 5.1 states that an operator of units subject to this rule shall comply with all applicable requirements of the rule and one of the following, on a unit-by-unit basis:

- 5.1.1 Operate the unit to comply with the emission limits specified in Sections 5.2 and 5.4; or
- 5.1.2 Pay an annual emissions fee to the District as specified in Section 5.3 and comply with the control requirements specified in Section 5.4; or
- 5.1.3 Comply with the applicable Low-use Unit requirements of Section 5.5.

Section 5.2 - NOx and CO Emission Limits

Section 5.2.1 states that on and after the indicated Compliance Deadline, a unit shall not be operated in a manner which exceeds the applicable NOx limit specified in Table 1 of this rule. Units shall not be operated in a manner which exceeds CO emissions of 400 ppmv.

S-1346-1-13 (21 MMBtu/hr Natural Gas-Fired Boiler)

With an annual heat input permit limit of 15,120 MMBtu (15.12 billion Btu/year), unit S-1346-1 falls into category "E" of Table 1 of the rule. Consequently, the unit does not have to demonstrate compliance with the NOx emission limit of this rule until 1/1/14.

Table 1 NOx Emission Limits			
Category	NOx Limit	Authority to Construct	Compliance
E. Units, from any Category, that were installed prior to January 1, 2009 and limited by a Permit to Operate to an annual heat input >1.8 billion Btu/year but < 30 billion Btu/year.	Standard Schedule 9 ppmv or 0.011 lb/MMBtu	Twelve months before the next unit replacement but no later than January 1, 2013.	At the next unit replacement but no later than January 1, 2014

S-1346-18-7 and -19-7 (31.5 MMBtu/hr Natural Gas-Fired Boilers)

Units S-1346-18 and -19 are natural gas-fired units rated at 31.5 MMBtu/hr, so they fall into category "B" of Table 1. Consequently, they are subject to the NOx emission limits listed below:

Table 1: NOx Emission Limits			
Category	NOx Limit	Authority to Construct	Compliance Deadline
B. Units with a total rated heat input > 20.0 MMBtu/hr, except for Categories C through G units	Standard Schedule 7 ppmv or 0.008 lb/MMBtu; or	July 1, 2009	July 1, 2010
	Enhanced Schedule 5 ppmv or 0.0062 lb/MMBtu	January 1, 2013	January 1, 2014

Compliance with this section will be better assured with the following condition (#12) on S-1346-18-7 and -19-7:

- Emissions from this boiler shall not exceed any of the following limits: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 7 ppmv @ 3% O2 or 0.008 lb NOx/MMBtu, VOC: 0.0055 lb/MMBtu, and CO: 100 ppmv @ 3% O2 or 0.074 lb CO/MMBtu. [District Rules 2201, 4305, and 4320]

Section 5.3 – Annual Fee Calculation

S-1346-2-10 and -3-12 (31.5 MMBtu/hr Natural Gas-Fired Boilers)

This section states that on and after January 1, 2010, an operator, with units that will comply under Section 5.1.2, shall pay a total annual fee to the District based on the total NOx emissions from those units. Units S-1346-2 and -3 are subject to the annual fee.

Compliance with this section will be better assured with the following condition (#30) on S-1346-2-10 and -3-12:

- Pursuant to Rule 4320, the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320]

Section 5.4 - Particulate Matter Control Requirements

The particulate matter control requirement of Section 5.4 applies to units in this project. The requirements of this section will be satisfied by all five units by complying with Section 5.4.1.1, by operating the units exclusively on PUC-quality natural gas.

The following conditions on the permits will better assure compliance with this section:

Compliance with this section will be better assured with the following condition on S-1346-1-13 (condition #5), -2-10 (condition #4), -3-12 (condition #4), -18-7 (condition #2), and -19-7 (condition #2):

- Unit shall be fired on PUC-regulated natural gas. [District Rules 2201, 4320, 4301 and County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties) and 40 CFR 60.42c(d)]

Section 5.6 - Startup and Shutdown Provisions

Section 5.6 states that on and after the full compliance deadline specified in Section 5.0, the applicable emission limits of Sections 5.2 Table 1 and 5.5.2 shall not apply during startup or shutdown provided an operator complies with the requirements specified in Sections 5.6.1 through 5.6.5.

Section 5.6 specifies startup and shutdown provisions. Section 5.6.1 states that the duration of each startup or each shutdown shall not exceed two hours, except as provided in Section 5.6.3, whereby the applicant applies and received approval for more than two hours for each startup or each shutdown.

The applicant has not proposed startup and shutdown duration limits greater than those specified in section 5.6.1.

Section 5.7 - Monitoring Provisions

Section 5.7.1 requires that units subject to District Rule 4320, Section 5.2 shall either install and maintain an operational APCO approved Continuous Emission Monitoring System (CEMS) for NO_x, CO and O₂, or implement an APCO-approved alternate monitoring.

The only units currently subject to the applicable emission limits of Section 5.2, and thus also subject to Section 5.7, are units S-1346-18 and -19.

The permittee has implemented Alternate Monitoring Scheme A (pursuant to District Policy SSP-1105), which requires that monitoring of NO_x, CO, and O₂ exhaust concentrations shall be conducted at least once per month (in which a source test is not performed) using a portable analyzer.

Compliance with this section will be better assured with the following conditions (#22, 23, 24) on S-1346-18-7 and -19-7:

- 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]
- If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as

soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320]

- 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]

Section 5.7.6 requires that operators complying with Sections 5.4.1.1 or 5.4.1.2 shall provide an annual fuel analysis to the District. Provided the units are fired on PUC-quality natural gas as required, the units are expected to comply with this section.

Section 5.8 - Compliance Determination

Section 5.8.1 requires that the operator of any unit shall have the option of complying with either the applicable heat input (lb/MMBtu), emission limits or the concentration (ppmv) emission limits specified in Section 5.2. The emission limits selected to demonstrate compliance shall be specified in the source test proposal pursuant to Rule 1081 (Source Sampling).

Compliance with this section will be better assured with the following condition (#20) that was added to S-1346-18-7 and -19-7, the two units that are required to be source tested:

- The source plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320]

Section 5.8.2 requires that all emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the PTO.

Compliance with this section will be better assured with the following condition (#21) that was added to S-1346-18-7 and -19-7, the two units that are required to be source tested:

- All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the permit. Unless otherwise specified in the permit, 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. For the purposes of permittee-performed alternate monitoring, emissions measurements may be performed at any time after the unit reaches conditions representative of normal operation. [District Rules 4305, 4306 and 4320]

Section 5.8.4 requires that for emissions monitoring pursuant to Sections 5.7.1 and 6.3.1 using a portable NO_x analyzer as part of an APCO approved Alternate Emissions Monitoring System, emission readings 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.

Compliance with this section will be better assured with the following condition (#24) on S-1346-18-7 and -19-7:

- 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]

Section 5.8.5 requires that for emissions source testing performed pursuant to Section 6.3.1 for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply. If two (2) of three (3) runs are

above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.

The following existing conditions (#17 and 18) on permits S-1346-18-7 and -19-7 assure compliance with this section:

- 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. NOx emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 4305, 4306, and 4320]
- CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 4305, 4306, and 4320]

Section 6.1 - Recordkeeping

Section 6.1 requires that the records required by Sections 6.1.1 through 6.1.5 shall be maintained for five calendar years and shall be made available to the APCO and EPA upon request.

Compliance with this section will be better assured with the following existing condition (#29) on S-1346-1-13:

- Operator shall maintain all records on the premises for at least five years and made available for District inspection upon request. Recordkeeping shall conform to the recordkeeping requirements described in District Rule 2520. [District Rules 2201 and 2520, 9.4.2]

Compliance with this section will be better assured with the following existing condition (#31) on S-1346-2-10 and -3-12:

- Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4320]

Compliance with this section will be better assured with the following existing condition (#26) on S-1346-18-7 and -19-7:

- 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 4320]

Section 6.2 - Test Methods

Section 6.2 identifies the following test methods as District-approved source testing methods.

Compliance with this section will be better assured with the following conditions (#17, 18, 19) on S-1346-18-7 and -19-7:

- 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. NO_x emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 4305, 4306, and 4320]
- CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 4305, 4306, and 4320]
- Stack gas oxygen shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306 and 4320]

Section 6.3 - Compliance Testing

Section 6.3.1 requires that each unit subject to the NO_x and CO emission limits shall be source tested at least once every 12 months, except if two consecutive annual source tests demonstrate compliance, source testing may be performed every 36 months. If such a source test demonstrates non-compliance, source testing shall revert to every 12 months.

Compliance with this section will be assured with the following condition (#15) on S-1346-18-7 and -19-7:

- This unit shall be tested for compliance with the NO_x and CO emissions limits at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every thirty-six months. [District Rule 4305, 4306, and 4320]

Section 6.4 - Emission Control Plan (ECP)

Section 6.4 requires the operator of any unit to submit to APCO for approval an Emissions Control Plan no later than January 1, 2010. The applicant already submitted the required ECP.

E. District Rule 4601 - Architectural Coatings

The purpose of this rule is to limit VOC emissions from architectural coatings. This rule specifies architectural coatings storage, cleanup, and labeling requirements. It requires limiting the application of any architectural coating to no more than what is listed in the Table of Standards (Section 5.0). This rule further specifies labeling requirements, coatings thinning recommendations, and storage requirements.

The following changes were included in the latest rule amendment that resulted in adding new permit requirements and/or revising current permit requirements:

- The tables outlining the VOC content of different specialty coatings has been largely replaced with the Table of Standards in Section 5.0.
- New labeling, reporting, test methodology and other requirements have been incorporated into the rule in order to allow ARB to administer the Averaging Program as detailed in Section 8.0.

The following conditions the facility wide requirements S-1346-0-3 will assure compliance with the requirements of this rule.

The following conditions (#23, 24, 25) on the facility-wide permit S-1346-0-3 will assure compliance with the requirements of this rule:

- {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]
- {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]
- {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]

F. District Rule 4702 – Internal Combustion Engines – Phase 2

The purpose of this rule is to limit NO_x, CO, VOC, and SO_x emissions from internal combustion engines. This rule applies to any internal combustion engine rated at 25 brake horsepower or greater. This rule was adopted on August 21, 2003 and last amended on August 18, 2011.

Emergency Standby IC Engines (S-1346-13-4, -20-4, -21-4, -22-4, and -23-4)

Section 4.2 states that except for the requirements of sections 5.9 (Monitoring Requirements: All Other Engines) and Section 6.2.3 (Operating Records), this rule shall not apply to emergency standby IC engines or low-use engines, provided that the engines are operated with operating nonresettable elapsed time meters.

All five engines at this facility are designated as emergency standby IC engines. Compliance with this section is expected with the following conditions:

Compliance with this section will be assured with the following conditions (#5, 11) on S-1346-13-4:

- This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115]
- This engine shall be operated only for maintenance, testing, and 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", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ]

Compliance with this section will be assured with the following conditions (#5, 9) on S-1346-20-4:

- This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115]
- The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall

not exceed 17 hours per year. [District Rules 2201, 4102, and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ]

Compliance with this section will be assured with the following conditions (#5, 10) on S-1346-21-4, -22-4, and -23-4:

- This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115]
- The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed either of the following: 45 minutes in any one-hour period or 16 hours per year. [District Rules 2201, 4102, 4702, 17 CCR 93115, 40 CFR 63 Subpart ZZZZ]

Section 5.9 (Monitoring Requirements: All Other Engines)

Section 5.9 specifies the monitoring requirements for spark-ignited internal combustion engines operated at agricultural facilities, compression-ignited internal combustion engines, and emergency internal combustion engines. According to Section 5.9.1.3, the monitoring requirements apply to engines subject to Section 4.2, which includes emergency standby engines such as the five engines at this facility. The following are the applicable requirements:

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

Compliance with the requirements in this section is expected with the following conditions. Please note that compliance with the requirements of Section 5.9.4 for a nonresettable elapsed time meter was discussed in the Section 4.2 discussion above. The following conditions will ensure compliance with the applicable Sections 5.9.2 and 5.9.3:

Compliance with Section 5.9.2 will be assured with the following conditions on S-1346-13-4 (condition # 8), -20-4 (condition #6), -21-4 (condition #9), -22-4 (condition #9), and -23-4 (condition #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]

Compliance with this Section 5.9.3 will be assured with the following conditions on S-1346-13-4 (condition #9), -20-4 (condition #10), -21-4 (condition #11), -22-4 (condition #11), and -23-4 (condition #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]

Section 6.2.3 requires that an owner claiming exemption under Sections 4.2 or 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request.

Compliance with this section will be assured with the following condition on S-1346-13-4 (condition #22), -20-4 (condition #21), -21-4 (condition #22), -22-4 (condition #22), and -23-4 (condition #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 2520, 9.4.2 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ]

G. 40 CFR Part 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

Subpart Dc applies to steam generating units for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 million Btu per hour or less, but greater than or equal to 10 million Btu per hour. This rule was amended on January 28, 2009.

Subpart Dc has no emission requirements for gas-fired units. The boilers at this facility (S-1346-1, -2, -3, -18, and -19) are all fired on natural gas. Therefore, these units are not subject to subpart Dc.

H. 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines

The five engines at this facility are all diesel-fired emergency IC engines. Emergency engines are subject to this subpart if they are operated at a major or area source of Hazardous Air Pollutant (HAP) emissions. A major source of HAP emissions is a facility that has the potential to emit any single HAP at a rate of 10 tons/year or greater or any combinations of HAPs at a rate of 25 tons/year or greater.

The District has previously determined through periodic AB 2588 Air Toxics "Hot Spots" Program reporting requirements that California Dairies Inc. is not a major source of HAPs. An area source of HAPs is a facility is not a major source of HAPs.

For existing compression ignited (CI) engines, installed prior to June 12, 2006, the applicable emission limitations and operating limitations shall be met by May 3, 2013.

The following are the applicable requirements for compression-ignited emergency IC engines according to draft District FYI-309 (Guidance to Address 40 CFR Part 63 Subpart ZZZZ requirements for IC engines):

S-1346-13-4, -20-4, -21-4, -22-4, -23-4 (Compression-Ignited Emergency IC Engine)

Compliance with this Subpart will be assured with the following conditions on S-1346-13-4, -20-4, -21-4, -22-4, and -23-4:

- On and after January 1, 2015, the permittee must collect and submit an annual report including location, dates and times of operation if the engine operates for more than 15 hours and up to 100 hours per year for emergency demand response. [40 CFR 63 Subpart ZZZZ]
- 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] - §63.6625(h)
- 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] - §63.6585/63.6595 (a)

- 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] - §63.6603/63.6640 Table 2d, Row 4.a
- The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] - §63.6603/63.6640 Table 2d, Row 4.b
- 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] - §63.6603/63.6640 Table 2d, Row 4.c
- {modified 3404} This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] - §63.6625 (f)\
- This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115]
- {modified 3495} This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed XX hours per year. [District Rules 4102, 4702 and 40 CFR 63 Subpart ZZZZ] - §63.6640 (f)(ii)
- 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 Rule 1070 and 40 CFR 63 Subpart ZZZZ] - §63.6655(a)(2) and (a)(5)
- The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the

viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ]

- 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 2520, 9.4.2 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] - §63.6660

I. 40 CFR Part 64 – Compliance Assurance Monitoring (CAM)

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

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

Major Source Thresholds (Rule 2201, amended 4/21/11)

Pollutant	(lb/year)	(ton/year)
NO _x	20,000	10
SO _x	140,000	70
PM _{2.5}	200,000	100
PM ₁₀	140,000	70
CO	200,000	100
VOC	20,000	10

§64.1 defines a control device as equipment, other than inherent process equipment, that is used to destroy or remove air pollutants prior to discharge to the atmosphere.

a. S-1346-1-13, -2-10, -3-12 (21 MMBtu/hr Natural Gas Fired Boilers with Flue Gas Recirculation):

These units may be subject to CAM for NO_x, as there is a NO_x limit, and the units are equipped with add-on controls in the form of FGR. However, as shown below, the pre-control potential to emit for each unit is not greater than the major source threshold of 20,000 pounds NO_x/year as calculated below:

$$(0.1 \text{ lb-NO}_x/\text{MMBtu})(15,120 \text{ MMBtu/yr}) = 1,512 \text{ lb-NO}_x/\text{yr} < 20,000 \text{ lb-NO}_x/\text{yr threshold}$$

Where:

- 0.1 lb-NO_x/MMBtu = Uncontrolled NO_x emission factor for the boilers/heaters (AP-42, Table 1.4-1)
- 21.0 MMBtu/hr = Maximum rating of each of the boilers
- 15,120 MMBtu/yr = Annual operating fuel consumption limit for each of the three boilers

Therefore, these units are not subject to CAM.

b. S-1346-4-12 and -14-6 (Natural Gas-Fired Spray Milk Dryer):

Compliance with CAM requirements for unit S-1346-4 is assured with conditions # 19-22 and 24-26 listed below:

- 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 Rule 2520, 9.3.2 and 40 CFR part 64]
- 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 and 40 CFR part 64]
- 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 and 40 CFR part 64]

- Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR part 64]
- The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
- The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
- 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]

Compliance with CAM requirements for unit S-1346-14 is assured with conditions # 10, 12, 13, 15, 16, 22-25, 27-29 listed below

- Visible emissions shall be less than 5% opacity except for 3 minutes in any one hour. [District Rule 2201 and 40 CFR part 64]
- PM10 emissions from the dryer baghouses shall not exceed 0.17 lb/ton of powder processed. [District Rule 2201 and 40 CFR part 64]
- Process weight rate shall not exceed 151.5 tons/day of powder. [District Rule 2201 and 40 CFR part 64]
- District witnessed source testing to measure PM10, NOx and CO emissions shall be conducted every two years. [District Rules 1081, 7.2, 2520, 9.3.2 and 40 CFR part 64]
- Permittee shall maintain accurate records of daily fuel consumption, operating hours, and daily throughputs and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.3.2, 9.4.2 and 40 CFR part 64]
- Visible emissions from each 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 Rule 2520, 9.3.2 and 40 CFR part 64]

- 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 and 40 CFR part 64]
 - 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 and 40 CFR part 64]
 - Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR part 64]
 - The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
 - The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
 - 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]
- c. S-1346-6-4, -7-4, -8-4, -15-3, -16-3, -17-3 (Powdered Milk Storage Silos Served by Bin Vent Filters):

Compliance with CAM requirements for units S-1346-6, -7, -8, -15, -16, and -17 is assured with conditions # 1-3, 7-9, 11-13 listed below:

- Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2201 and 40 CFR part 64]

- PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District Rule 2201 and 40 CFR part 64]
- The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District Rule 2201 and 40 CFR part 64]
- Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.4.2 and 40 CFR part 64]
- 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 and 40 CFR part 64]
- 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, 9.3.2 and 40 CFR part 64]
- The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
- The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
- 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]

d. S-1346-12-5 (Powdered Milk Bagging Operating Served by a Baghouse):

Compliance with CAM requirements for units S-1346-12 is assured with conditions #6, 7, 9, 11-14, 16-18 listed below:

- Baghouses shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR part 64]

- Visible emissions at processes other than removing material from dust collectors shall be less than 5% opacity except for 3 minutes in any one hour. [District Rule 2201 and 40 CFR part 64]
- Permittee shall maintain records of daily bagging system throughputs and shall make such records available to the District, upon request, for a period of five years. [District Rules 1070, 2520, 9.3.2, 9.4.2 and 40 CFR part 64]
- Visible emissions from each 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 Rule 2520, 9.3.2 and 40 CFR part 64]
- 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 and 40 CFR part 64]
- 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 and 40 CFR part 64]
- Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR part 64]
- The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
- The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
- 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]

- e. S-1346-13-4, -20-4, -21-4, -22-4, and -23-4 (Diesel-Fired Emergency Standby Engines):

These units are not subject to CAM as they do not have add-on controls.

- f. S-1346-18-7 and -19-7 (31.5 MMBtu/hr Natural Gas-Fired Boilers with Ultra Low NOx Burners):

These units are not subject to CAM as they do not have add-on controls.

- g. S-1346-24-3 (Natural Gas Turbine Cogeneration Unit with Heat Recovery Steam Generator with Selective Catalytic Reduction and Oxidation Catalyst):

Compliance with CAM requirements for unit S-1346-24 is assured with conditions #7, 19, 20, 24, 25, 27-29 listed below:

- Gas turbine shall be equipped with continuously recording fuel gas flow meter. [District Rule 2201 and 40 CFR part 64]
- The permittee shall monitor and record the stack concentration of NOx (as NO₂), CO, and O₂ weekly. If compliance with NOx and CO emission is demonstrated for eight (8) consecutive weeks, then the monitoring frequency shall be reduced to monthly. If deviations are observed in two consecutive months, monitoring shall revert to weekly until 8 consecutive weeks show no deviations. 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 (1) day of restarting the unit unless monitoring has been performed within the last month if on a monthly monitoring schedule, or within the week if on a weekly monitoring schedule. [District Rules 2201, 4703 and 40 CFR part 64]
- If the NOx and/or CO concentrations, as measured by the permittee with a portable analyzer, exceed the permitted emission limits, the permittee shall notify the District and return the NOx and CO concentrations to the permitted emission limits as soon as possible but no longer than eight (8) hours after detection. If the permittee's portable analyzer readings continue to exceed the permitted emission limits after eight (8) hour, the permittee shall notify the District within the following one (1) hour, and conduct a certified source test within 60 days to demonstrate compliance with permitted emissions limits. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must 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 2201 and 40 CFR part 64]

- The permittee shall maintain records of the date and time of all NO_x, CO, and O₂ measurements, the measured NO₂ and CO concentrations corrected to 15% O₂, and the O₂ concentration. The records shall also include a description of any corrective action taken to maintain the emissions in the acceptable range. [District Rule 1070 and 40 CFR part 64]
- The permittee shall maintain records of daily and annual natural gas consumption (MMBtu) of gas turbine engine, daily and annual calculated emissions, ammonia injection rate, and catalyst inlet temperature. [District Rule 2201 and 40 CFR part 64]
- The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
- The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
- 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]

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

Per §60.4200, the provision of this subpart do not apply to the owners of any stationary CI ICE that commenced construction after July 11, 2005.

The five engine at the facility were all installed prior to this date. Therefore, the provisions of this subpart do not apply.

K. 40 CFR Part 60, Subpart KKKK - Standards of Performance for Stationary Combustion Turbines

This subpart establishes emission standards and compliance schedules for the control of emissions from stationary combustion turbines that commenced construction, modification or reconstruction after February 18, 2005.

The gas turbine at the facility was installed prior to this date. Therefore, the provisions of this subpart do not apply.

L. 40 CFR Part 63, Subpart OO - National Emission Standards for Tanks – Level 1

The provisions of this subpart apply to the control of air emissions from tanks for which another subpart of 40 CFR parts 60, 61, or 63 references the use of this subpart for such air emission control.

Since the powdered milk storage silos are not subject to a specific subpart of 40 CFR parts 60, 61, or 63, subpart OO does not apply.

M. 40 CFR Part 63, Subpart PP - National Emission Standards for Containers

The provisions of this subpart apply to the control of air emissions from containers for which another subpart of 40 CFR parts 60, 61, or 63 references the use of this subpart for such air emission control.

Since the powdered milk storage silos are not subject to a specific subpart of 40 CFR parts 60, 61, or 63, subpart PP does not apply.

N. 40 CFR Part 63, Subpart YYYY - National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines

Per §63.6085, this subpart applies to a stationary combustion turbine located at a major source of HAP emissions. A major source of HAP is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons or more per year or any combination of HAP at a rate of 25 tons or more per year.

The District has previously determined through periodic AB 2588 Air Toxics "Hot Spots" Program reporting requirements that California Dairies Inc. is not a major source of HAPs. Therefore, the affected facilities in this source are not subject to the requirements of this rule.

O. 40 CFR Part 63, Subpart DDDDD – National Emissions Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters

This subpart applies to an industrial, commercial, or institutional boiler or process heater that is located at, or is part of, a major source of HAP. A major source of HAP is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons or more per year or any combination of HAP at a rate of 25 tons or more per year.

The District has previously determined through periodic AB 2588 Air Toxics "Hot Spots" Program reporting requirements that California Dairies Inc. is not a major

source of HAPs. Therefore, the affected facilities in this source are not subject to the requirements of this rule.

P. 40 CFR Part 63, Subpart JJJJJJ – National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers Area Sources

This subpart applies to an industrial, commercial, or institutional boiler as defined in §63.11237 that is located at, or is part of, an area source of hazardous air pollutants (HAP).

§63.11195(e) states that gas-fired boilers are not subject to this subpart. The boilers at this facility are all gas fired and therefore, not subject to this subpart.

IX. PERMIT SHIELD

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

A. Permit Shields from Model General Permit Templates

The applicant has not requested the use of any model templates.

B. Requirements not Addressed by Model General Permit Templates

The applicant is not proposing any new permit shields. Permit shields that refer to rules that have been amended have been removed as they no longer apply.

X. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

XI. ATTACHMENTS

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

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-1346-0-3

EXPIRATION DATE: 07/31/2013

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; Kern 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; Kern County Rule 111] Federally Enforceable Through Title V Permit
3. {2287} 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. [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {2289} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. {2290} 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. {2291} 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. {2292} 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. {2293} 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: CALIFORNIA DAIRIES, INC.
Location: 11894 AVENUE 120, TIPTON, CA 93272
S-1346-0-3; Nov 18 2013 9:10AM - RAMIREZ

10. {2294} 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. {2295} 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. {2296} 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. {2297} 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. {2298} 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. {2299} 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. {2300} 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. {2301} 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. {2302} 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. {2303} 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. {2304} 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. {2305} 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. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {2310} 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. {2311} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {2312} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/04) or Rule 8011 (8/19/04). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. {2319} 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. {2320} 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. {2321} 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. {2322} 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. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-1-13

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED BOILER (S/N S2500-150-4) WITH A COMBUSTION SYSTEMS LOW NOX BURNER MODEL 500-P3 AND FLUE GAS RECIRCULATION (FGR) SYSTEM DESIGNATED AS STANDBY UNIT

PERMIT UNIT REQUIREMENTS

1. {469} Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. The boiler shall only be operated when unit S-1346-2 or -3 is not in operation. Operating hours for the boiler shall not exceed 720 hours/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual operating fuel consumption for the boiler shall not exceed 15,120 MMBtu. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
4. A non-resettable elapsed time meter or 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, 4305 and 4306] Federally Enforceable Through Title V Permit
5. Unit shall be fired on PUC-regulated natural gas. [District Rules 2201, 4301, and County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties) and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
6. {454} Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)] Federally Enforceable Through Title V Permit
7. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. Flue gas recirculation shall be utilized whenever boiler is operating. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For emissions source testing performed pursuant to Section 6.3.1 of District Rule 4305, and District Rule 4306, for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.5] 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. Emissions rates from this unit shall not exceed any of the following limits: 30 ppmv NOx @ 3% O2 or 0.036 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.003 lb-PM10/MMBtu, 230 ppmv CO @ 3% O2 or 0.17 lb-CO/MMBtu, or 0.003 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
12. NOx and CO emissions shall be measured with source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every thirty-six months. [District Rules 2520, 9.3.2 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
13. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
14. If permittee fails any compliance demonstration for NOx or CO emissions limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 2520, 9.3.2 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
15. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NOx and CO emissions of this permit for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. [District Rules 4306, 6.3.2] Federally Enforceable Through Title V Permit
16. The following conditions must be met for representative unit(s) to be used to test for NOx and CO limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in group are similar in terms of rated heat input (rating not to exceed 100 MMBtu/hr), make and series, operation conditions, and control method, and 3) the group is owned by a single owner and located at a single stationary source. [District Rules 2520, 9.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
17. All units in a group for which representative units are source for NOx and CO emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). These tune-up procedures shall be completed according to District Rule 4304 (Adopted October 19, 1995) and tune-up test results shall show comparable results for each unit in the group. Records shall be maintained for the each unit of the group including all preventative and corrective maintenance work done. [District Rules 2520, 9.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
18. All units in a group for which representative units are source tested to for NOx and CO emissions of this permit shall be fired on the same fuel type during the entire compliance period. If a unit switches for any time to an alternate fuel type (e.g. from natural gas to oil) then that unit shall not be considered part of the group and shall be required to undergo a source test for all fuel types used, within one year of the switch. [District Rules 2520, 9.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
19. The number of representative units source tested for NOx and CO emissions shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that in 3 years, all units in the entire group will have been tested at least once. [District Rules 2520, 9.3.2, 4306, 6.3.2] Federally Enforceable Through Title V Permit
20. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100 and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081 and 4306, 6.2] 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 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel. [District Rules 1081, 7.2 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081, 7.3 and 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

24. Operation shall be equipped with flue gas recirculation valve setting indicator. [District Rules 2201 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
25. The flue gas recirculation valve setting shall be monitored at least on a weekly basis. 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 week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4306, 5.4.2] Federally Enforceable Through Title V Permit
26. The acceptable settings for the flue gas recirculation valve shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rule 4306, 5.4.2] Federally Enforceable Through Title V Permit
27. If the flue gas recirculation valve setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. 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 District 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 4306, 5.4.2] Federally Enforceable Through Title V Permit
28. The permittee shall maintain records of the date and time of flue gas recirculation valve settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting within the acceptable range. [District Rule 4306, 5.4.2] Federally Enforceable Through Title V Permit
29. Operator shall maintain all records on the premises for at least five years and made available for District inspection upon request. Recordkeeping shall conform to the recordkeeping requirements described in District Rule 2520. [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-1346-2-10

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED STANDBY BOILER (S/N S2500-150-5) WITH LO-NOX BURNER AND FLUE GAS RECIRCULATION

EXPIRATION DATE: 07/31/2013

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PERMIT UNIT REQUIREMENTS

1. {469} Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. This boiler shall not be operated when S-1346-1 and -3 are both in operation. [District Rule 2201 and 4306] Federally Enforceable Through Title V Permit
3. Annual operating fuel consumption for the boiler shall not exceed 15,120 MMBtu. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
4. Unit shall be fired on PUC-regulated natural gas. [District Rule 4320; District Rule 4301; County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties); and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
5. {454} Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)] Federally Enforceable Through Title V Permit
6. {458} Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
7. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Flue gas recirculation shall be utilized whenever boiler is operating. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For emissions source testing performed pursuant to Section 6.3.1 of District Rule 4305, and District Rule 4306, for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.5] Federally Enforceable Through Title V Permit
10. Emissions from this boiler shall not exceed any of the following limits: PM₁₀: 0.003 lb/MMBtu, SO_x (as SO₂): 0.00285 lb/MMBtu, NO_x (as NO₂): 0.036 lb/MMBtu, VOC: 0.003 lb/MMBtu or CO: 0.170 lb/MMBtu. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit

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

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11. NOx and CO emissions shall be measured with source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every thirty-six months. [District Rules 2520, 9.3.2, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
12. If permittee fails any compliance demonstration for NOx or CO emissions limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 2520, 9.3.2, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
13. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NOx and CO emissions of this permit for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rules 4305, 6.3.2 and 4306] Federally Enforceable Through Title V Permit
14. The following conditions must be met for representative unit(s) to be used to test for NOx and CO limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in group are similar in terms of rated heat input (rating not to exceed 100 MMBtu/hr), make and series, operation conditions, and control method, and 3) the group is owned by a single owner and located at a single stationary source. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
15. All units in a group for which representative units are source for NOx and CO emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). These tune-up procedures shall be completed according to District Rule 4304 (Adopted October 19, 1995) and tune-up test results shall show comparable results for each unit in the group. Records shall be maintained for the each unit of the group including all preventative and corrective maintenance work done. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
16. All units in a group for which representative units are source tested to for NOx and CO emissions of this permit shall be fired on the same fuel type during the entire compliance period. If a unit switches for any time to an alternate fuel type (e.g. from natural gas to oil) then that unit shall not be considered part of the group and shall be required to undergo a source test for all fuel types used, within one year of the switch. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
17. The number of representative units source tested for NOx and CO emissions shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that in 3 years, all units in the entire group will have been tested at least once. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100 and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 6.2 and 4306] Federally Enforceable Through Title V Permit
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel. [District Rules 1081, 7.2 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081, 7.3 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operation shall be equipped with flue gas recirculation valve setting indicator. [District Rules 2201, 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit

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

23. The flue gas recirculation valve setting shall be monitored at least on a weekly basis. 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 week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
24. The acceptable settings for the flue gas recirculation valve shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
25. If the flue gas recirculation valve setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. 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 District 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 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of the date and time of flue gas recirculation valve settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting within the acceptable range. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
27. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, 4306] Federally Enforceable Through Title V Permit
28. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
30. Pursuant to Rule 4320, the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
31. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4320] Federally Enforceable Through Title V Permit
32. On and after January 1, 2014, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 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-1346-3-12

EXPIRATION DATE: 07/31/2013

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED BOILER (S/N S-2500-150-3) WITH LO-NOX BURNER AND FLUE GAS RECIRCULATION SYSTEM

PERMIT UNIT REQUIREMENTS

1. {469} Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. This boiler shall not be operated when S-1346-1 and -2 are both in operation. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
3. Annual operating fuel consumption for the boiler shall not exceed 15,120 MMBtu. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
4. Unit shall be fired on PUC-regulated natural gas. [District Rule 4320; District Rule 4301; County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties); and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
5. {454} Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)] Federally Enforceable Through Title V Permit
6. {458} Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
7. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Flue gas recirculation shall be utilized whenever boiler is operating. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For emissions source testing performed pursuant to Section 6.3.1 of District Rule 4305, and District Rule 4306, for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.5] Federally Enforceable Through Title V Permit
10. Emissions from this boiler shall not exceed any of the following limits: PM₁₀: 0. Rule 2201 lb/MMBtu, SO_x (as SO₂): 0.00285 lb/MMBtu, NO_x (as NO₂): 0.036 lb/MMBtu, VOC: 0.003 lb/MMBtu or CO: 0.170 lb/MMBtu. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit

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

11. NOx and CO emissions shall be measured with source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every thirty-six months. [District Rules 2520, 9.3.2, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
12. If permittee fails any compliance demonstration for NOx or CO emissions limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 2520, 9.3.2, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
13. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NOx and CO emissions of this permit for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rules 4305, 6.3.2 and 4306] Federally Enforceable Through Title V Permit
14. The following conditions must be met for representative unit(s) to be used to test for NOx and CO limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in group are similar in terms of rated heat input (rating not to exceed 100 MMBtu/hr), make and series, operation conditions, and control method, and 3) the group is owned by a single owner and located at a single stationary source. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
15. All units in a group for which representative units are source for NOx and CO emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). These tune-up procedures shall be completed according to District Rule 4304 (Adopted October 19, 1995) and tune-up test results shall show comparable results for each unit in the group. Records shall be maintained for the each unit of the group including all preventative and corrective maintenance work done. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
16. All units in a group for which representative units are source tested to for NOx and CO emissions of this permit shall be fired on the same fuel type during the entire compliance period. If a unit switches for any time to an alternate fuel type (e.g. from natural gas to oil) then that unit shall not be considered part of the group and shall be required to undergo a source test for all fuel types used, within one year of the switch. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
17. The number of representative units source tested for NOx and CO emissions shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that in 3 years, all units in the entire group will have been tested at least once. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100 and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 6.2 and 4306] Federally Enforceable Through Title V Permit
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel. [District Rules 1081, 7.2 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081, 7.3 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operation shall be equipped with flue gas recirculation valve setting indicator. [District Rules 2201, 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit

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

23. The flue gas recirculation valve setting shall be monitored at least on a weekly basis. 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 week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
24. The acceptable settings for the flue gas recirculation valve shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
25. If the flue gas recirculation valve setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. 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 District Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of the date and time of flue gas recirculation valve settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting within the acceptable range. [District Rules 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
27. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, 4306] Federally Enforceable Through Title V Permit
28. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
30. Pursuant to Rule 4320, the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
31. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4320] Federally Enforceable Through Title V Permit
32. On and after January 1, 2014, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 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-1346-4-12

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30 MMBTU/HR CE ROGERS NATURAL GAS-FIRED VERTICAL SPRAY MILK DRYER MODEL VRS13000 WITH "MAXON" LOW-NOX BURNER, CE ROGERS BAGHOUSE, AND CE ROGERS ENCLOSED SCREEN SIFTER WITH "DEAD-END" BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Dryer shall be fired on PUC-quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Emission rates shall not exceed any of the following limits: SO_x (as SO₂): 0.001 lb/MMBtu, NO_x (as NO₂): 3.7 ppmv at stack conditions, VOC: 0.003 lb/MMBtu or CO: 30 ppmv at stack conditions. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
3. Emissions for NO_x and CO shall be uncorrected if the measured oxygen exhaust concentration exceeds 19.0% by volume or shall be corrected to 19.0% by volume for units operating at measured O₂ concentrations of 19.0 % by volume or less. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit
4. 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 2520 and 4309] Federally Enforceable Through Title V Permit
5. If either the NO_x or CO concentrations as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit
6. 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 2520 and 4309] Federally Enforceable Through Title V Permit
7. 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 (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 2520 and 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.

8. For emissions source testing performed pursuant to Section 6.3 of District Rule 4309, (adopted December 15, 2005), for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520 and 4309, 5.5.6] Federally Enforceable Through Title V Permit
9. Visible emissions shall be less than 5% opacity except for 3 minutes in any one hour. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. PM10 emissions from the CE Rogers dryer baghouse shall not exceed 0.182 lb/ton of powder processed. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
11. Process weight rate shall not exceed 150 tons/day of powder. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
12. Fuel usage shall not exceed 686 MMBtu in any day and 35,000 MMBtu/qtr, or 140,000 MMBtu in a year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Screened powder shall be pneumatically transported to storage silo receiving bin for filling storage silos (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District Rule 2201] Federally Enforceable Through Title V Permit
14. District witnessed source testing to measure PM10, NOx and CO emissions shall be conducted every 24 months. [District Rules 1081, 7.2, 2201, and 4309] Federally Enforceable Through Title V Permit
15. Permittee shall maintain accurate records of daily fuel consumption, operating hours, and daily throughputs and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.3.2, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
16. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. The following test methods shall be used: PM10 (lb/ton) - CARB 501 in combination with CARB 5 or EPA Method 8, NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 5.0 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
19. 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 Rule 2520, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
20. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
21. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
22. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 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.

23. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
24. 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
25. 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
26. 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

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-1346-6-4

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1]
Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-7-4

EXPIRATION DATE: 07/31/2013

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1]
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-1346-8-4

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

EXPIRATION DATE: 07/31/2013

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PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

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

12. 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
13. 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
14. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1]
Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-12-5

EXPIRATION DATE: 07/31/2013

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

96 HP POWDERED MILK BAGGING OPERATION INCLUDING BULK TOTE FILLING, BAG FILLING AND VACUUM CLEANING SYSTEM SERVED BY A BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Operation shall include central vacuum system for bagging area consisting of multiple line hookups vented to one 3000 CFM pulse-jet baghouse containing 64 filter bags 6" diameter x 10" long for a total of 1,005 sq. ft. of filter surface area. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Operation shall include one "Avapac" powdered milk bagging system with 3 HP enclosed auger feeds for 50 lb bag filling and 2,200 lb bulk tote bag filling. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Bagging operations shall be served by one "Flex-Kleen" model 84-WSBS-100 pulse-jet baghouse with 1060 square feet of filter surface area and 50 HP blower driving 6000 CFM of air. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Throughput of powdered milk bagging systems shall not exceed 301.5 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Particulate emissions (PM10) from bagging system baghouse shall not exceed 0.025 lb/ton of powder bagged or bulk filled. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Baghouses shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
7. Visible emissions at processes other than removing material from dust collectors shall be less than 5% opacity except for 3 minutes in any one hour. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. Sampling facilities for source testing bagging system baghouse shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rules 1081, 7.2 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Permittee shall maintain records of daily bagging system throughputs and shall make such records available to the District, upon request, for a period of five years. [District Rules 1070, 2520, 9.3.2, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
11. Visible emissions from each 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 Rule 2520, 9.3.2 and 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. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
13. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
14. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
15. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
16. 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
17. 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
18. 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

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-1346-13-4

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

240 BHP CUMMINS MODEL 6CT18.3F1 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

EXPIRATION DATE: 07/31/2013

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PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a turbocharger and with an aftercooler or intercooler. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115] Federally Enforceable Through Title V Permit
6. If the engine exhibits visible emissions greater than 5% opacity for more than 5 minutes, compliance testing for particulate matter emissions shall be conducted by District-witnessed sample collection within 60 days of District determination. [District Rules 2520, 9.3.2 and 4101, 5.1] Federally Enforceable Through Title V Permit
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
9. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. 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
11. This engine shall be operated only for maintenance, testing, and 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", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

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12. 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 Rules 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. On and after January 1, 2015, the permittee must collect and submit an annual report including location, dates and times of operation if the engine operates for more than 15 hours and up to 100 hours per year for emergency demand response. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. 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
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 engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. 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
20. 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 Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 2520, 9.4.2 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-14-6

EXPIRATION DATE: 07/31/2013

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

20 MMBTU/HR STORK FRIESLAND NATURAL GAS-FIRED SPRAY MILK DRYER WITH MAXON LOW-NOX BURNER, SIFTER, FINES RETURN SYSTEM, EXHAUST AIR SYSTEM SERVED BY TWO CYCLONES AND TWO BAGHOUSES (IN PARALLEL)

PERMIT UNIT REQUIREMENTS

1. Dryer shall be fired on PUC-quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Emission rates shall not exceed any of the following limits: SO_x (as SO₂): 0.0006 lb/MMBtu, NO_x (as NO₂): 1.7 ppmv at stack conditions (0.04 lb-NO_x/MMBtu), VOC: 0.003 lb/MMBtu or CO: 23.6 ppmv @ stack conditions (0.16 lb-CO/MMBtu). [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
3. Emissions for NO_x and CO shall be uncorrected if the measured oxygen exhaust concentration exceeds 19.0% by volume or shall be corrected to 19.0% by volume for units operating at measured O₂ concentrations of 19.0 % by volume or less. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit
4. 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 2520 and 4309] Federally Enforceable Through Title V Permit
5. If either the NO_x or CO concentrations corrected to 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 Rules 2520 and 4309] Federally Enforceable Through Title V Permit
6. 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 2520 and 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.

7. 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 (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 2520 and 4309] Federally Enforceable Through Title V Permit
8. 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 [District Rules 4309 and 2520]
9. For emissions source testing performed pursuant to Section 6.3 of District Rule 4309, (adopted December 15, 2005), for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520 and 4309, 5.5.6] Federally Enforceable Through Title V Permit
10. Visible emissions shall be less than 5% opacity except for 3 minutes in any one hour. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
11. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
12. PM₁₀ emissions from the dryer baghouses shall not exceed 0.17 lb/ton of powder processed. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
13. Process weight rate shall not exceed 151.5 tons/day of powder. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
14. Screened powder shall be pneumatically transported to storage silo receiving bin for filling storage silos (S-1346-6,-7, -8, -15, -16 & -17). [District Rule 2201] Federally Enforceable Through Title V Permit
15. District witnessed source testing to measure PM₁₀, NO_x and CO emissions shall be conducted every two years. [District Rules 1081, 7.2, 2520, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
16. Permittee shall maintain accurate records of daily fuel consumption, operating hours, and daily throughputs and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.3.2, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
17. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1, 2520 and 9.3.2] Federally Enforceable Through Title V Permit
18. The following test methods shall be used: PM₁₀ (lb/ton) - CARB 501 in combination with CARB 5 or EPA Method 8, NO_x (ppmv) - EPA Method 7E or ARB Method 100 on a ppmv basis, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 5.0 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. All test results for NO_x and CO shall be reported in ppmv, corrected to dry stack conditions and adjusted using oxygen correction factor. [District Rule 4309] Federally Enforceable Through Title V Permit
20. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2520] Federally Enforceable Through Title V Permit
21. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
22. Visible emissions from each 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 Rule 2520, 9.3.2 and 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.

23. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
24. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
25. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
26. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] 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 part 64] Federally Enforceable Through Title V Permit
28. 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
29. 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

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-1346-15-3

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1]
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-1346-16-3

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rule 1070 and District Rule 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

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

12. 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
13. 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
14. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1]
Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-17-3

EXPIRATION DATE: 07/31/2013

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

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

12. 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
13. 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
14. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1]
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-1346-18-7

EXPIRATION DATE: 07/31/2013

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

EQUIPMENT DESCRIPTION:

31.5 MMBTU/HR NATURAL GAS-FIRED HURST BOILER #4 EQUIPPED WITH ULTRA LOW NOX BURNER

PERMIT UNIT REQUIREMENTS

1. {469} Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. Unit shall be fired on PUC-regulated natural gas. [District Rule 4301 and County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties) and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. {458} Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
5. {464} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. {465} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
7. {474} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201 and 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. {507} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. {508} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

10. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
11. 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 Rules 2201 and 2520, 9.1] Federally Enforceable Through Title V Permit
12. Emissions from this boiler shall not exceed any of the following limits: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 7 ppmv @ 3% O2 or 0.008 lb NOx/MMBtu, VOC: 0.0055 lb/MMBtu, and CO: 100 ppmv @ 3% O2 or 0.074 lb CO/MMBtu. [District Rules 2201, 4305, and 4320] 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. 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
15. This unit shall be tested for compliance with the NOx and CO emissions limits at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every thirty-six months. [District Rule 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. If permittee fails any compliance demonstration for NOx or CO emissions limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District Rule 2520, 4306, 4320] Federally Enforceable Through Title V Permit
17. 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. NOx emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. Stack gas oxygen 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
20. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the permit. Unless otherwise specified in the permit, 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. For the purposes of permittee-performed alternate monitoring, emissions measurements may be performed at any time after the unit reaches conditions representative of normal operation. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
22. 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.

23. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
24. 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
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 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
26. 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 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-1346-19-7

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

31.5 MMBTU/HR NATURAL GAS-FIRED HURST BOILER #5 EQUIPPED WITH ULTRA LOW NOX BURNER

PERMIT UNIT REQUIREMENTS

1. {469} Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. Unit shall be fired on PUC-regulated natural gas. [District Rule 4301 and County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties) and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. {458} Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
5. {464} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. {465} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
7. {474} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201 and 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. {507} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. {508} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

10. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
11. 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 Rules 2201 and 2520, 9.1] Federally Enforceable Through Title V Permit
12. Emissions from this boiler shall not exceed any of the following limits: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 7 ppmv @ 3% O2 or 0.008 lb NOx/MMBtu, VOC: 0.0055 lb/MMBtu, and CO: 100 ppmv @ 3% O2 or 0.074 lb CO/MMBtu. [District Rules 2201, 4305, and 4320] 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. 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
15. This unit shall be tested for compliance with the NOx and CO emissions limits once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every thirty-six months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. If permittee fails any compliance demonstration for NOx or CO emissions limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District Rule 2520, 4306, 4320] Federally Enforceable Through Title V Permit
17. 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. NOx emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. Stack gas oxygen 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
20. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the permit. Unless otherwise specified in the permit, 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. For the purposes of permittee-performed alternate monitoring, emissions measurements may be performed at any time after the unit reaches conditions representative of normal operation. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
22. 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.

23. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
24. 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
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 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
26. 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 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-1346-20-4

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

2,220 BHP CUMMINS MODEL KTA50-G9 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The exhaust stack shall not be fitted with a rain cap, or any similar device, that would impede vertical exhaust flow. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 6.9 g-NOx/bhp-hr, 0.4 g-PM10/bhp-hr, 1.4 g-CO/bhp-hr, or 1.0 g-VOC/bhp-hr. [District Rule 2201] 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. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 17 hours per year. [District Rules 2201, 4102, and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The permittee 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 Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. On and after January 1, 2015, the permittee must collect and submit an annual report including location, dates and times of operation if the engine operates for more than 15 hours and up to 100 hours per year for emergency demand response. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. 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
15. 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 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
17. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. 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
19. 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 Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 Rule 4702 and 40 CFR 63 Subpart ZZZZ] 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.

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 2520, 9.4.2 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ]
Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-21-4

EXPIRATION DATE: 07/31/2013

EQUIPMENT DESCRIPTION:

2,934 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system which 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
4. The exhaust stack shall not be fitted with a rain cap or similar device which would impede vertical exhaust flow. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115] Federally Enforceable Through Title V Permit
6. NOx emissions shall not exceed 6.9 g/hp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.06 g/hp-hr, based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102] 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]
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] Federally Enforceable Through Title V Permit
10. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed either of the following: 45 minutes in any one-hour period or 16 hours per year. [District Rules 2201, 4102, 4702, 17 CCR 93115, 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]

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

12. 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, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. On and after January 1, 2015, the permittee must collect and submit an annual report including location, dates and times of operation if the engine operates for more than 15 hours and up to 100 hours per year for emergency demand response. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. 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
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 engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. 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
20. 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 Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 2520, 9.4.2 and 4702, 17 CCR 93115, 40 CFR 63 Subpart ZZZZ] 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-1346-22-4

EXPIRATION DATE: 07/31/2013

EQUIPMENT DESCRIPTION:

2,934 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system which 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
4. The exhaust stack shall not be fitted with a rain cap or similar device which would impede vertical exhaust flow. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115] Federally Enforceable Through Title V Permit
6. NOx emissions shall not exceed 6.9 g/hp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.06 g/hp-hr, based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102] 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]
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] Federally Enforceable Through Title V Permit
10. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed either of the following: 45 minutes in any one-hour period or 16 hours per year. [District Rules 2201, 4102, 4702, 17 CCR 93115, 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]

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

12. 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, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. On and after January 1, 2015, the permittee must collect and submit an annual report including location, dates and times of operation if the engine operates for more than 15 hours and up to 100 hours per year for emergency demand response. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. 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
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 engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. 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
20. 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 Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 2520, 9.4.2 and 4702, 17 CCR 93115, 40 CFR 63 Subpart ZZZZ] 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-1346-23-4

EXPIRATION DATE: 07/31/2013

EQUIPMENT DESCRIPTION:

306 BHP CATERPILLAR MODEL 3306B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system which 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
4. The exhaust stack shall not be fitted with a rain cap or similar device which would impede vertical exhaust flow. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63 Subpart ZZZZ, 17 CCR 93115] Federally Enforceable Through Title V Permit
6. NOx emissions shall not exceed 6.9 g/hp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.06 g/hp-hr, based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102] 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 and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed either of the following: 45 minutes in any one-hour period or 16 hours per year. [District Rules 2201, 4102, 4702, 17 CCR 93115, 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. 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, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. On and after January 1, 2015, the permittee must collect and submit an annual report including location, dates and times of operation if the engine operates for more than 15 hours and up to 100 hours per year for emergency demand response. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. 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
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 engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. 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
20. 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 Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 2520, 9.4.2 and 4702, 17 CCR 93115, 40 CFR 63 Subpart ZZZZ] 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-1346-24-3

EXPIRATION DATE: 07/31/2013

EQUIPMENT DESCRIPTION:

SOLAR TURBINE CENTAUR 50S NATURAL GAS TURBINE COGENERATION UNIT DRIVING A GENERATOR WITH AN ISO RATING OF 4.6 MW WITH UNFIRED HEAT RECOVERY STEAM GENERATOR (HRSG) AND 36 MMBTU/HR DUCT BURNER WITH SELECTIVE CATALYTIC REDUCTION AND OXIDATION CATALYST

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Heat recovery steam generator design shall provide space for additional catalysts if additional catalyst are necessary to achieve NOx emission limits. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Maximum heat input rating of Solar Centaur 50S gas-fired turbine engine shall not exceed 57 MMBtu/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Gas turbine engine lube oil vents, generator lube oil vents, and lube oil accumulator vents shall be equipped with mist eliminators. Lube oil vents shall not exhibit visible emissions of 5% opacity or greater except for up to three minutes in any hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Gas-fired turbine engine shall be equipped with selective catalytic reduction (SCR) NOx control system utilizing ammonia as reducing agent. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Gas turbine shall be fired exclusively with PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Gas turbine shall be equipped with continuously recording fuel gas flow meter. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. Exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods. [District Rule 1081] Federally Enforceable Through Title V Permit
9. 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
10. The permittee shall maintain records of natural gas fuel sulfur content verification. [District Rule 4001 Subpart GG] Federally Enforceable Through Title V Permit
11. Ammonia shall be injected whenever the selective catalytic reduction system catalyst temperature exceeds the minimum ammonia injection temperature recommended by the manufacturer. The minimum ammonia injection rate demonstrated during the initial compliance test to result in compliance with the NOx and ammonia emissions limits shall be imposed as a condition in the Permit to Operate. [District Rule 2201] Federally Enforceable Through Title V Permit

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

12. If the ammonia injection rate is less than the minimum ammonia injection rate demonstrated during the initial compliance test, the permittee shall return the ammonia injection rate above the minimum ammonia injection rate established during compliance testing as soon as possible, but no longer than 8 hours after detection. If the ammonia injection rate is not returned above the minimum ammonia injection rate established during compliance testing within 8 hours, the permittee shall notify the District within the following 1 hour and conduct a source test within 60 days of the first exceedance to demonstrate compliance with the applicable emission limits at the reduced ammonia injection rate. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must 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 2201] Federally Enforceable Through Title V Permit
13. Ammonia slip shall not exceed 5 ppmv @ 15% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Gas turbine engine shall be fired on natural gas, consisting primarily of methane and ethane, with a sulfur content no greater than 1.0 grains of sulfur compounds (as S) per 100 dry scf of natural gas. [District Rules 2201 and 4001 Subpart GG] Federally Enforceable Through Title V Permit
15. Turbine shall be equipped with SOLONox system for NO_x control. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Annual emission rates from turbine exhaust shall not exceed the following: PM₁₀: 17,108 lb/yr; NO_x (as NO₂): 8,008 lb/yr; SO_x (as SO₂): 2,322 lb/yr; VOC: 2,820 lb/yr; and CO: 19,556 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Emission rate from turbine exhaust shall not exceed any of the following: PM₁₀: 0.021 lb/MMBtu; NO_x (as NO₂): 2.5 ppmv @ 15% O₂; SO_x (as SO₂): 0.00285 lb/MMBtu; VOC: 2.0 ppmv @ 15% O₂; and CO: 6.0 ppmv @ 15% O₂ with the exception of startup and shutdown periods not to exceed 2 hours in duration. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
18. Total startup and shutdown emissions from turbine exhaust shall not exceed any of the following: PM₁₀: 0 lb/day; NO_x (as NO₂): 3.3 lb/day; SO_x (as SO₂): 0 lb/day; VOC: 5.7 lb/day; and CO: 69.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The permittee shall monitor and record the stack concentration of NO_x (as NO₂), CO, and O₂ weekly. If compliance with NO_x and CO emission is demonstrated for eight (8) consecutive weeks, then the monitoring frequency shall be reduced to monthly. If deviations are observed in two consecutive months, monitoring shall revert to weekly until 8 consecutive weeks show no deviations. 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 (1) day of restarting the unit unless monitoring has been performed within the last month if on a monthly monitoring schedule, or within the week if on a weekly monitoring schedule. [District Rules 2201, 4703 and 40 CFR part 64] Federally Enforceable Through Title V Permit
20. If the NO_x and/or CO concentrations, as measured by the permittee with a portable analyzer, exceed the permitted emission limits, the permittee shall notify the District and return the NO_x and CO concentrations to the permitted emission limits as soon as possible but no longer than eight (8) hours after detection. If the permittee's portable analyzer readings continue to exceed the permitted emission limits after eight (8) hour, the permittee shall notify the District within the following one (1) hour, and conduct a certified source test within 60 days to demonstrate compliance with permitted emissions limits. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must 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 2201 and 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.

21. Source testing to demonstrate compliance with NO_x (as NO₂), CO, ammonia emission limits, and fuel gas sulfur content limit shall be conducted within 60 days of initial firing. Source testing to demonstrate compliance with NO_x (as NO₂), CO, ammonia emissions limits, and fuel gas sulfur content limit shall be conducted at least once every twelve months thereafter. SCR catalyst inlet temperature and ammonia injection rate shall be recorded during any source testing. Source testing shall be performed with and without an operational duct burner. [District Rule 1081] Federally Enforceable Through Title V Permit
22. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. 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. The following test methods shall be used NO_x: EPA Method 7E or 20; PM₁₀: EPA method 5 (front half and back half); CO: EPA method 10 or 10B; VOC: EPA method 18; O₂: EPA Method 3, 3A, or 20; ammonia: BAAQMD ST-1B; natural gas fuel sulfur content: ASTM D3246; natural gas higher heating value (HHV): ASTM D3588-91, 1826-88, or 1945-81. [District Rules 1081, 2201, 4001 Subpart GG, and 4703] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of the date and time of all NO_x, CO, and O₂ measurements, the measured NO₂ and CO concentrations corrected to 15% O₂, and the O₂ concentration. The records shall also include a description of any corrective action taken to maintain the emissions in the acceptable range. [District Rule 1070 and 40 CFR part 64] Federally Enforceable Through Title V Permit
25. The permittee shall maintain records of daily and annual natural gas consumption (MMBtu) of gas turbine engine, daily and annual calculated emissions, ammonia injection rate, and catalyst inlet temperature. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
26. All records required to be maintained by this permit shall be maintained for a period of five years and shall be made readily available for District inspection upon request. [District Rule 2201] 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 part 64] Federally Enforceable Through Title V Permit
28. 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
29. 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

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

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ATTACHMENT B

Previous Title V Operating Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



Permit to Operate

FACILITY: S-1346

EXPIRATION DATE: 07/31/2013

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

CALIFORNIA DAIRIES, INC.
2000 N. PLAZA DRIVE
VISALIA, CA 93291-9258

FACILITY LOCATION:

11894 AVENUE 120
TIPTON, CA 93272

FACILITY DESCRIPTION:

DRY, CONDENSED, EVAPORATED DAIRY PRODUCTS

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

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

Seyed Sadredin
Executive Director / APCO

David Warner
Director of Permit Services

San Joaquin Valley Air Pollution Control District

FACILITY: S-1346-0-2

EXPIRATION DATE: 07/31/2013

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (3/21/02). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: CALIFORNIA DAIRIES, INC.
Location: 11894 AVENUE 120, TIPTON, CA 93272
S-1346-0-2 : Nov 7 2013 1:35PM - RAMIREZH

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 (11/15/01). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards of District Rule 4601 (10/31/01) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (10/31/01) 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 (10/31/01). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-1-12

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED BOILER (S/N S2500-150-4) WITH A COMBUSTION SYSTEMS LOW NOX BURNER MODEL 500-P3 AND FLUE GAS RECIRCULATION (FGR) SYSTEM DESIGNATED AS STANDBY UNIT

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. The boiler shall only be operated when unit S-1346-2 or '-3 is not in operation. Operating hours for the boiler shall not exceed 720 hours/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual operating fuel consumption for the boiler shall not exceed 15,120 MMBtu. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
4. A non-resettable elapsed time meter or 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, 4305 and 4306] Federally Enforceable Through Title V Permit
5. Unit shall be fired on PUC-regulated natural gas. [District Rules 2201, 4301, 5.2.1 and County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties) and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
6. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)] Federally Enforceable Through Title V Permit
7. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201 and 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
13. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Flue gas recirculation shall be utilized whenever boiler is operating. [District Rule 2201] Federally Enforceable Through Title V Permit
15. For emissions source testing performed pursuant to Section 6.3.1 of District Rule 4305, (amended August 21, 2003) and District Rule 4306 (amended March 17, 2005), for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.5] Federally Enforceable Through Title V Permit
16. Emissions rates from this unit shall not exceed any of the following limits: 30 ppmv NOX @ 3% O2 or 0.036 lb-NOX/MMBtu, 0.00285 lb-SOX/MMBtu, 0.003 lb-PM10/MMBtu, 230 ppmv CO @ 3% O2 or 0.17 lb-CO/MMBtu, or 0.003 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
17. NOx, and CO emissions shall be measured with annual source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District. [District Rules 2520, 9.3.2 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
18. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
19. If permittee fails any compliance demonstration for NOx or CO emissions limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 2520, 9.3.2 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
20. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NOx and CO emissions of this permit for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. [District Rules 4306 and 6.3.2] Federally Enforceable Through Title V Permit
21. The following conditions must be met for representative unit(s) to be used to test for NOx and CO limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in group are similar in terms of rated heat input (rating not to exceed 100 MMBtu/hr), make and series, operation conditions, and control method, and 3) the group is owned by a single owner and located at a single stationary source. [District Rules 2520, 9.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
22. All units in a group for which representative units are source for NOx and CO emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). These tune-up procedures shall be completed according to District Rule 4304 (Adopted October 19, 1995) and tune-up test results shall show comparable results for each unit in the group. Records shall be maintained for the each unit of the group including all preventative and corrective maintenance work done. [District Rules 2520, 9.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. All units in a group for which representative units are source tested to for NOx and CO emissions of this permit shall be fired on the same fuel type during the entire compliance period. If a unit switches for any time to an alternate fuel type (e.g. from natural gas to oil) then that unit shall not be considered part of the group and shall be required to undergo a source test for all fuel types used, within one year of the switch. [District Rules 2520, 9.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
24. The number of representative units source tested for NOx and CO emissions shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that in 3 years, all units in the entire group will have been tested at least once. [District Rules 2520, 9.3.2, 4306, 6.3.2] Federally Enforceable Through Title V Permit
25. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100 and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081 and 4306, 6.2] Federally Enforceable Through Title V Permit
26. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
27. Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel. [District Rules 1081, 7.2 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
28. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081, 7.3 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. Operation shall be equipped with flue gas recirculation valve setting indicator. [District NSR Rule and District Rule 4306, 5.4.2] Federally Enforceable Through Title V Permit
30. The flue gas recirculation valve setting shall be monitored at least on a weekly basis. 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 week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4306, 5.4.2] Federally Enforceable Through Title V Permit
31. The acceptable settings for the flue gas recirculation valve shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rule 4306, 5.4.2] Federally Enforceable Through Title V Permit
32. If the flue gas recirculation valve setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. 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 District 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 4306, 5.4.2] Federally Enforceable Through Title V Permit
33. The permittee shall maintain records of the date and time of flue gas recirculation valve settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting within the acceptable range. [District Rule 4306, 5.4.2] Federally Enforceable Through Title V Permit
34. Operator shall maintain all records on the premises for at least five years and made available for District inspection upon request. Recordkeeping shall conform to the recordkeeping requirements described in District Rule 2520. [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-1346-2-7

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED STANDBY BOILER (S/N S2500-150-5) WITH LO-NOX BURNER AND FLUE GAS RECIRCULATION

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. Annual operating fuel consumption for the boiler shall not exceed 15,120 MMBtu. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
3. This boiler shall not be operated when S-1346-1 and -3 are both in operation. Operating hours shall not exceed 720 hours/yr. [District Rule 2201 and 4306]
4. Unit shall be fired on PUC-regulated natural gas. [District Rule 4320, 5.4.1; District Rule 4301, 5.2.1; County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties); and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
5. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)] Federally Enforceable Through Title V Permit
6. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
7. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Flue gas recirculation shall be utilized whenever boiler is operating. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For emissions source testing performed pursuant to Section 6.3.1 of District Rule 4305, (amended August 21, 2003) and District Rule 4306 (amended September 18, 2003), for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.5] Federally Enforceable Through Title V Permit
10. Emissions from this boiler shall not exceed any of the following limits: PM₁₀: 0.00285 lb/MMBtu, SO_x (as SO₂): 0.00285 lb/MMBtu, NO_x (as NO₂): 0.0036 lb/MMBtu, VOC: 0.003 lb/MMBtu or CO: 0.170 lb/MMBtu. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit

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

11. NO_x and CO emissions shall be measured with annual source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District. [District Rules 2520, 9.3.2, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
12. If permittee fails any compliance demonstration for NO_x or CO emissions limits when testing not less than once every 36 months, compliance with NO_x and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 2520, 9.3.2, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
13. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NO_x and CO emissions of this permit for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NO_x emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rules 4305, 6.3.2 and 4306] Federally Enforceable Through Title V Permit
14. The following conditions must be met for representative unit(s) to be used to test for NO_x and CO limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in group are similar in terms of rated heat input (rating not to exceed 100 MMBtu/hr), make and series, operation conditions, and control method, and 3) the group is owned by a single owner and located at a single stationary source. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
15. All units in a group for which representative units are source for NO_x and CO emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). These tune-up procedures shall be completed according to District Rule 4304 (Adopted October 19, 1995) and tune-up test results shall show comparable results for each unit in the group. Records shall be maintained for the each unit of the group including all preventative and corrective maintenance work done. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
16. All units in a group for which representative units are source tested to for NO_x and CO emissions of this permit shall be fired on the same fuel type during the entire compliance period. If a unit switches for any time to an alternate fuel type (e.g. from natural gas to oil) then that unit shall not be considered part of the group and shall be required to undergo a source test for all fuel types used, within one year of the switch. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
17. The number of representative units source tested for NO_x and CO emissions shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that in 3 years, all units in the entire group will have been tested at least once. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. The following test methods shall be used: NO_x (ppmv) - EPA Method 7E or ARB Method 100, NO_x (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100 and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 6.2 and 4306] Federally Enforceable Through Title V Permit
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel. [District Rules 1081, 7.2 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081, 7.3 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operation shall be equipped with flue gas recirculation valve setting indicator. [District Rule 2201 and District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. The flue gas recirculation valve setting shall be monitored at least on a weekly basis. 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 week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
24. The acceptable settings for the flue gas recirculation valve shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
25. If the flue gas recirculation valve setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. 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 District 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 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of the date and time of flue gas recirculation valve settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting within the acceptable range. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
27. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, 4306] Federally Enforceable Through Title V Permit
28. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
30. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
31. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and Rule 4320] Federally Enforceable Through Title V Permit
32. On and after January 1, 2014, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-3-11

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED BOILER (S/N S-2500-150-3) WITH LO-NOX BURNER AND FLUE GAS RECIRCULATION SYSTEM

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. Annual operating fuel consumption for the boiler shall not exceed 15,120 MMBtu. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
3. This boiler shall not be operated when S-1346-1 and -2 are both in operation. Operating hours shall not exceed 720 hours/yr. [District Rule 2201 and 4306] Federally Enforceable Through Title V Permit
4. Unit shall be fired on PUC-regulated natural gas. [District Rule 4320, 5.4.1; District Rule 4301, 5.2.1; County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties); and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
5. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)] Federally Enforceable Through Title V Permit
6. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
7. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Flue gas recirculation shall be utilized whenever boiler is operating. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For emissions source testing performed pursuant to Section 6.3.1 of District Rule 4305, (amended August 21, 2003) and District Rule 4306 (amended September 18, 2003), for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.5] Federally Enforceable Through Title V Permit
10. Emissions from this boiler shall not exceed any of the following limits: PM₁₀: 0.00285 lb/MMBtu, SO_x (as SO₂): 0.00285 lb/MMBtu, NO_x (as NO₂): 0.036 lb/MMBtu, VOC: 0.003 lb/MMBtu or CO: 0.170 lb/MMBtu. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. NO_x and CO emissions shall be measured with annual source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District. [District Rules 2520, 9.3.2, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
12. If permittee fails any compliance demonstration for NO_x or CO emissions limits when testing not less than once every 36 months, compliance with NO_x and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 2520, 9.3.2, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
13. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NO_x and CO emissions of this permit for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NO_x emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rules 4305, 6.3.2 and 4306] Federally Enforceable Through Title V Permit
14. The following conditions must be met for representative unit(s) to be used to test for NO_x and CO limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in group are similar in terms of rated heat input (rating not to exceed 100 MMBtu/hr), make and series, operation conditions, and control method, and 3) the group is owned by a single owner and located at a single stationary source. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
15. All units in a group for which representative units are source for NO_x and CO emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). These tune-up procedures shall be completed according to District Rule 4304 (Adopted October 19, 1995) and tune-up test results shall show comparable results for each unit in the group. Records shall be maintained for the each unit of the group including all preventative and corrective maintenance work done. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
16. All units in a group for which representative units are source tested to for NO_x and CO emissions of this permit shall be fired on the same fuel type during the entire compliance period. If a unit switches for any time to an alternate fuel type (e.g. from natural gas to oil) then that unit shall not be considered part of the group and shall be required to undergo a source test for all fuel types used, within one year of the switch. [District Rules 2520, 9.3.2 and 4305, 6.3.2] Federally Enforceable Through Title V Permit
17. The number of representative units source tested for NO_x and CO emissions shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that in 3 years, all units in the entire group will have been tested at least once. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. The following test methods shall be used: NO_x (ppmv) - EPA Method 7E or ARB Method 100, NO_x (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100 and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 6.2 and 4306] Federally Enforceable Through Title V Permit
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel. [District Rules 1081, 7.2 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081, 7.3 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operation shall be equipped with flue gas recirculation valve setting indicator. [District Rule 2201 and District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit

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

23. The flue gas recirculation valve setting shall be monitored at least on a weekly basis. 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 week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
24. The acceptable settings for the flue gas recirculation valve shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
25. If the flue gas recirculation valve setting is less than the normal range/level, the permittee shall return the flue gas recirculation valve setting to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the flue gas recirculation valve setting is not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new flue gas recirculation valve setting. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. 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 District 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 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of the date and time of flue gas recirculation valve settings, the observed setting, and the firing rate at the time of the flue gas recirculation valve setting measurements. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting within the acceptable range. [District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
27. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, 4306] Federally Enforceable Through Title V Permit
28. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
30. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
31. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and Rule 4320] Federally Enforceable Through Title V Permit
32. On and after January 1, 2014, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-4-13

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30 MMBTU/HR CE ROGERS NATURAL GAS-FIRED VERTICAL SPRAY MILK DRYER MODEL VRS13000 WITH "MAXON" LOW-NOX BURNER, CE ROGERS BAGHOUSE, AND CE ROGERS ENCLOSED SCREEN SIFTER WITH "DEAD-END" BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Dryer shall be fired on PUC-quality natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Emission rates shall not exceed any of the following limits: SO_x (as SO₂): 0.001 lb/MMBTU, NO_x (as NO₂): 3.7 ppmv at stack conditions, VOC: 0.003 lb/MMBTU or CO: 30 ppmv at stack conditions. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
3. Emissions for NO_x and CO shall be uncorrected if the measured oxygen exhaust concentration exceeds 19.0% by volume or shall be corrected to 19.0% by volume for units operating at measured O₂ concentrations of 19.0 % by volume or less. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit
4. 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 2520 and 4309] Federally Enforceable Through Title V Permit
5. If either the NO_x or CO concentrations as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit
6. 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 2520 and 4309] Federally Enforceable Through Title V Permit
7. 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 (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 2520 and 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.

8. For emissions source testing performed pursuant to Section 6.3 of District Rule 4309, (adopted December 15, 2005), for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520 and 4309, 5.5.6] Federally Enforceable Through Title V Permit
9. Visible emissions shall be less than 5% opacity except for 3 minutes in any one hour. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. PM10 emissions from the CE Rogers dryer baghouse shall not exceed 0.182 lb/ton of powder processed. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
11. Process weight rate shall not exceed 150 tons/day of powder. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
12. Fuel usage shall not exceed either of the following limits: 686 MMBtu in any day; 140,000 MMBtu in a year. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Screened powder shall be pneumatically transported to storage silo receiving bin for filling storage silos (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District NSR Rule] Federally Enforceable Through Title V Permit
14. District witnessed source testing to measure PM10, NOx and CO emissions shall be conducted every 24 months. [District Rules 1081, 7.2, 2201, and 4309] Federally Enforceable Through Title V Permit
15. Permittee shall maintain accurate records of daily fuel consumption, operating hours, and daily throughputs and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.3.2, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
16. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. The following test methods shall be used: PM10 (lb/ton) - CARB 501 in combination with CARB 5 or EPA Method 8, NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 5.0 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
19. 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 Rule 2520, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
20. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
21. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
22. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR 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.

23. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
24. 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
25. 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
26. 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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-6-3

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District NSR Rule] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rule 1070 and District Rule 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] 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-1346-7-3

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District NSR Rule] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rule 1070 and District Rule 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

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

12. 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
13. 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
14. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] 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-1346-8-3

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District NSR Rule] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rule 1070 and District Rule 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

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

12. 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
13. 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
14. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] 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-1346-12-4

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

96 HP POWDERED MILK BAGGING OPERATION INCLUDING BULK TOTE FILLING, BAG FILLING AND VACUUM CLEANING SYSTEM SERVED BY A BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Operation shall include central vacuum system for bagging area consisting of multiple line hookups vented to one 3000 CFM pulse-jet baghouse containing 64 filter bags 6" diameter x 10" long for a total of 1,005 sq. ft. of filter surface area. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Operation shall include one "Avapac" powdered milk bagging system with 3 HP enclosed auger feeds for 50 lb bag filling and 2,200 lb bulk tote bag filling. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Bagging operations shall be served by one "Flex-Kleen" model 84-WSBS-100 pulse-jet baghouse with 1060 square feet of filter surface area and 50 HP blower driving 6000 CFM of air. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Throughput of powdered milk bagging systems shall not exceed 301.5 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate emissions (PM10) from bagging system baghouse shall not exceed 0.025 lb/ton of powder bagged or bulk filled. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Baghouses shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
7. Visible emissions at processes other than removing material from dust collectors shall be less than 5% opacity except for 3 minutes in any one hour. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. Sampling facilities for source testing bagging system baghouse shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rules 1081, 7.2 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Permittee shall maintain records of daily bagging system throughputs and shall make such records available to the District, upon request, for a period of five years. [District Rules 1070, 2520, 9.3.2, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
11. Visible emissions from each 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 Rule 2520, 9.3.2 and 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. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
13. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
14. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
15. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
16. 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
17. 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
18. 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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-13-3

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

240 BHP CUMMINS MODEL 6CT18.3F1 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a turbocharger and with an aftercooler or intercooler. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. If the engine exhibits visible emissions greater than 5% opacity for more than 5 minutes, compliance testing for particulate matter emissions shall be conducted by District-witnessed sample collection within 60 days of District determination. [District Rules 2520, 9.3.2 and 4101, 5.1] Federally Enforceable Through Title V Permit
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. 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
10. This engine shall be operated only for maintenance, testing, and 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", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520, 9.4.2 and 4702, 6.2, 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.

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272

S-1346-13-3 : Nov 7 2013 1:35PM - RAMIREZ

12. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. 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 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-14-4

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

20 MMBTU/HR STORK FRIESLAND NATURAL GAS-FIRED SPRAY MILK DRYER WITH MAXON LOW-NOX BURNER, SIFTER, FINES RETURN SYSTEM, EXHAUST AIR SYSTEM SERVED BY TWO CYCLONES AND TWO BAGHOUSES (IN PARALLEL)

PERMIT UNIT REQUIREMENTS

1. Dryer shall be fired on PUC-quality natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Emission rates shall not exceed any of the following limits: SO_x (as SO₂): 0.0006 lb/MMBTU, NO_x (as NO₂): 1.7 ppmv at stack conditions (0.04 lb-NO_x/MMBtu), VOC: 0.003 lb/MMBTU or CO: 23.6 ppmv @ stack conditions (0.16 lb-CO/MMBtu). [District NSR Rule and 4309] Federally Enforceable Through Title V Permit
3. Emissions for NO_x and CO shall be uncorrected if the measured oxygen exhaust concentration exceeds 19.0% by volume or shall be corrected to 19.0% by volume for units operating at measured O₂ concentrations of 19.0 % by volume or less. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit
4. 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 2520 and 4309] Federally Enforceable Through Title V Permit
5. If either the NO_x or CO concentrations corrected to 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 Rules 2520 and 4309] Federally Enforceable Through Title V Permit
6. 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 2520 and 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.

7. 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 (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 2520 and 4309] Federally Enforceable Through Title V Permit
8. 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 [District Rule 4309 and 2520]
9. For emissions source testing performed pursuant to Section 6.3 of District Rule 4309, (adopted December 15, 2005), for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30- consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 2520 and 4309, 5.5.6] Federally Enforceable Through Title V Permit
10. Visible emissions shall be less than 5% opacity except for 3 minutes in any one hour. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
11. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
12. PM₁₀ emissions from the dryer baghouses shall not exceed 0.17 lb/ton of powder processed. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
13. Process weight rate shall not exceed 151.5 tons/day of powder. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
14. Screened powder shall be pneumatically transported to storage silo receiving bin for filling storage silos (S-1346-6, -7, -8, -15, -16 & -17). [District NSR Rule] Federally Enforceable Through Title V Permit
15. District witnessed source testing to measure PM₁₀, NO_x and CO emissions shall be conducted every two years. [District Rules 1081, 7.2, 2520, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
16. Permittee shall maintain accurate records of daily fuel consumption, operating hours, and daily throughputs and shall make such records available for District inspection for a period of five years. [District Rule 1070 and District Rule 2520, 9.3.2, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
17. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rules 1081, 7.1, 2520 and 9.3.2] Federally Enforceable Through Title V Permit
18. The following test methods shall be used: PM₁₀ (lb/ton) - CARB 501 in combination with CARB 5 or EPA Method 8, NO_x (ppmv) - EPA Method 7E or ARB Method 100 on a ppmv basis, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 5.0 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. All test results for NO_x and CO shall be reported in ppmv, corrected to dry stack conditions and adjusted using oxygen correction factor. [District Rule 4309] Federally Enforceable Through Title V Permit
20. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2520] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
22. Visible emissions from each 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 Rule 2520, 9.3.2 and 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.

23. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
24. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
25. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
26. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] 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 part 64] Federally Enforceable Through Title V Permit
28. 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
29. 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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-15-2

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District NSR Rule] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rules 1070 and 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] 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-1346-16-2

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District NSR Rule] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rule 1070 and District Rule 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] 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-1346-17-2

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall be less than 5% opacity. 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 baghouse is operated. The results of inspection shall be kept in a record and shall be made available to the District upon request. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
2. PM10 emissions from bin vent shall not exceed 0.012 lb/ton of milk transferred to silo. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
3. The amount of milk powder transferred to silo shall not exceed 150 tons in any one day. [District NSR Rule and 40 CFR part 64] Federally Enforceable Through Title V Permit
4. The aggregated amount of milk powder transferred to silos S-1346-6, '-7, '-8, '-15, '-16 and '-17 shall not exceed 301.5 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Screened powder shall be pneumatically transported from milk dryers S-1346-4 and '-14 to storage silo receiving bins (S-1346-6, '-7, '-8, '-15, '-16 & '-17). [District NSR Rule] Federally Enforceable Through Title V Permit
6. Air used to pneumatically transport dried milk shall only be exhausted through bin vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of daily amount of milk powder transferred to silo and shall make such records available for District inspection for a period of five years. [District Rule 1070 and District Rule 2520, 9.4.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. 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 and 40 CFR part 64] Federally Enforceable Through Title V Permit
9. 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, 9.3.2 and 40 CFR part 64] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202, 4.1] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] 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-1346-18-5

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

31.5 MMBTU/HR NATURAL GAS-FIRED HURST BOILER #4 EQUIPPED WITH ULTRA LOW NOX BURNER

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. Unit shall be fired on PUC-regulated natural gas. [District Rule 4301, 5.2.1 and County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties) and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
5. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
7. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201 and 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272

8-1346-18-5 : Nov 7 2013 1:35PM - RAMIREZM

10. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
11. 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 NSR Rule and Rule 2520, 9.1] Federally Enforceable Through Title V Permit
12. Emissions from this boiler shall not exceed any of the following limits: PM₁₀: 0.0076 lb/MMBtu, SO_x (as SO₂): 0.00285 lb/MMBtu, NO_x (as NO₂): 7 ppmv @ 3% O₂ or 0.008 lb NO_x/MMBtu, VOC: 0.0055 lb/MMBtu, and CO: 100 ppmv @ 3% O₂ or 0.074 lb CO/MMBtu. [District Rules 2201, 4305, and 4320] 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. 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
15. This unit shall be tested for compliance with the NO_x and CO emissions limits at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every thirty-six months. [District Rule 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. 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. NO_x emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rule 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rule 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. Stack gas oxygen shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
19. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [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. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
23. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-19-5

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

31.5 MMBTU/HR NATURAL GAS-FIRED HURST BOILER #5 EQUIPPED WITH ULTRA LOW NOX BURNER

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
2. Unit shall be fired on PUC-regulated natural gas. [District Rule 4301, 5.2.1 and County Rules 404 (Madera), 406 (Fresno), and 407 (the six remaining SJVUAPCD counties) and 40 CFR 60.42c(d)] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. Nitrogen oxide (NO_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
5. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
7. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201 and 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.3), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.3), 8.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

10. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
11. 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 NSR Rule and Rule 2520, 9.1] Federally Enforceable Through Title V Permit
12. Emissions from this boiler shall not exceed any of the following limits: PM₁₀: 0.0076 lb/MMBtu, SO_x (as SO₂): 0.00285 lb/MMBtu, NO_x (as NO₂): 7 ppmv @ 3% O₂ or 0.008 lb NO_x/MMBtu, VOC: 0.0055 lb/MMBtu, and CO: 100 ppmv @ 3% O₂ or 0.074 lb CO/MMBtu. [District Rules 2201, 4305, and 4320] 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. 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
15. This unit shall be tested for compliance with the NO_x and CO emissions limits once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every thirty-six months. [District Rule 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. 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. NO_x emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rule 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. CO emissions during the source test shall be calculated as the arithmetic average of three 30-consecutive-minute test runs. [District Rule 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. Stack gas oxygen shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
19. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [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. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
23. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-20-3

EXPIRATION DATE: 07/31/2013

SECTION: SW17 **TOWNSHIP:** 22S **RANGE:** 25E

EQUIPMENT DESCRIPTION:

2,220 BHP CUMMINS MODEL KTA50-G9 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The exhaust stack shall not be fitted with a rain cap, or any similar device, that would impede vertical exhaust flow. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 6.9 g-NOx/bhp-hr, 0.4 g-PM10/bhp-hr, 1.4 g-CO/bhp-hr, or 1.0 g-VOC/bhp-hr. [District NSR Rule] 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. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 17 hours per year. [District Rules 2201, 4102, and 4702, 4.2.1, and 17 CCR 93115] 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. 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 Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. 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 2520, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-21-3

EXPIRATION DATE: 07/31/2013

EQUIPMENT DESCRIPTION:

2,934 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system which recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The exhaust stack shall not be fitted with a rain cap or similar device which would impede vertical exhaust flow. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. NOx emissions shall not exceed 6.9 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.06 g/hp-hr, based on US EPA certification using ISO 8178 test procedure. [District NSR Rule and Rule 4102] 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]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed either of the following: 45 minutes in any one-hour period or 16 hours per year. [District Rules 2201, 4102, 4702, 4.2.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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]

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

13. 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, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. 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 2520, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-22-3

EXPIRATION DATE: 07/31/2013

EQUIPMENT DESCRIPTION:

2,934 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system which recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The exhaust stack shall not be fitted with a rain cap or similar device which would impede vertical exhaust flow. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. NOx emissions shall not exceed 6.9 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.06 g/hp-hr, based on US EPA certification using ISO 8178 test procedure. [District NSR Rule and Rule 4102] 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]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed either of the following: 45 minutes in any one-hour period or 16 hours per year. [District Rules 2201, 4102, 4702, 4.2.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. 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, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. 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 2520, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-23-3

EXPIRATION DATE: 07/31/2013

EQUIPMENT DESCRIPTION:

306 BHP CATERPILLAR MODEL 3306B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system which recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The exhaust stack shall not be fitted with a rain cap or similar device which would impede vertical exhaust flow. [District Rule 4102]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. NOx emissions shall not exceed 4.95 g/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.099 g/hp-hr, based on US EPA certification using ISO 8178 test procedure. [District NSR Rule and Rule 4102] 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]
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed either of the following: 45 minutes in any one-hour period or 16 hours per year. [District Rules 2201, 4102, 4702, 4.2.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. 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, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. 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 2520, 9.4.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-24-2

EXPIRATION DATE: 07/31/2013

EQUIPMENT DESCRIPTION:

SOLAR TURBINE CENTAUR 50S NATURAL GAS TURBINE COGENERATION UNIT DRIVING A GENERATOR WITH AN ISO RATING OF 4.6 MW WITH UNFIRED HEAT RECOVERY STEAM GENERATOR (HRSG) AND 36 MMBTU/HR DUCT BURNER WITH SELECTIVE CATALYTIC REDUCTION AND OXIDATION CATALYST

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Heat recovery steam generator design shall provide space for additional catalysts if additional catalyst are necessary to achieve NOx emission limits. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Maximum heat input rating of Solar Centaur 50S gas-fired turbine engine shall not exceed 57 MMBtu/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Gas turbine engine lube oil vents, generator lube oil vents, and lube oil accumulator vents shall be equipped with mist eliminators. Lube oil vents shall not exhibit visible emissions of 5% opacity or greater except for up to three minutes in any hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Gas-fired turbine engine shall be equipped with selective catalytic reduction (SCR) NOx control system utilizing ammonia as reducing agent. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Gas turbine shall be fired exclusively with PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Gas turbine shall be equipped with continuously recording fuel gas flow meter. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
8. Exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods. [District Rule 1081] Federally Enforceable Through Title V Permit
9. 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
10. The permittee shall maintain records of natural gas fuel sulfur content verification. [District Rule 4001 Subpart GG] Federally Enforceable Through Title V Permit
11. Ammonia shall be injected whenever the selective catalytic reduction system catalyst temperature exceeds the minimum ammonia injection temperature recommended by the manufacturer. The minimum ammonia injection rate demonstrated during the initial compliance test to result in compliance with the NOx and ammonia emissions limits shall be imposed as a condition in the Permit to Operate. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. If the ammonia injection rate is less than the minimum ammonia injection rate demonstrated during the initial compliance test, the permittee shall return the ammonia injection rate above the minimum ammonia injection rate established during compliance testing as soon as possible, but no longer than 8 hours after detection. If the ammonia injection rate is not returned above the minimum ammonia injection rate established during compliance testing within 8 hours, the permittee shall notify the District within the following 1 hour and conduct a source test within 60 days of the first exceedance to demonstrate compliance with the applicable emission limits at the reduced ammonia injection rate. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must 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 2201] Federally Enforceable Through Title V Permit
13. Ammonia slip shall not exceed 5 ppmv @ 15% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Gas turbine engine shall be fired on natural gas, consisting primarily of methane and ethane, with a sulfur content no greater than 1.0 grains of sulfur compounds (as S) per 100 dry scf of natural gas. [District Rules 2201 and 4001 Subpart GG] Federally Enforceable Through Title V Permit
15. Turbine shall be equipped with SOLONox system for NO_x control. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Annual emission rates from turbine exhaust shall not exceed the following: PM₁₀: 17,108 lb/yr; NO_x (as NO₂): 8,008 lb/yr; SO_x (as SO₂): 2,322 lb/yr; VOC: 2,820 lb/yr; and CO: 19,556 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Emission rate from turbine exhaust shall not exceed any of the following: PM₁₀: 0.021 lb/MMBtu; NO_x (as NO₂): 2.5 ppmv @ 15% O₂; SO_x (as SO₂): 0.00285 lb/MMBtu; VOC: 2.0 ppmv @ 15% O₂; and CO: 6.0 ppmv @ 15% O₂ with the exception of startup and shutdown periods not to exceed 2 hours in duration. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
18. Total startup and shutdown emissions from turbine exhaust shall not exceed any of the following: PM₁₀: 0 lb/day; NO_x (as NO₂): 3.3 lb/day; SO_x (as SO₂): 0 lb/day; VOC: 5.7 lb/day; and CO: 69.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The permittee shall monitor and record the stack concentration of NO_x (as NO₂), CO, and O₂ weekly. If compliance with NO_x and CO emission is demonstrated for eight (8) consecutive weeks, then the monitoring frequency shall be reduced to monthly. If deviations are observed in two consecutive months, monitoring shall revert to weekly until 8 consecutive weeks show no deviations. 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 (1) day of restarting the unit unless monitoring has been performed within the last month if on a monthly monitoring schedule, or within the week if on a weekly monitoring schedule. [District Rules 2201, 4703 and 40 CFR part 64] Federally Enforceable Through Title V Permit
20. If the NO_x and/or CO concentrations, as measured by the permittee with a portable analyzer, exceed the permitted emission limits, the permittee shall notify the District and return the NO_x and CO concentrations to the permitted emission limits as soon as possible but no longer than eight (8) hours after detection. If the permittee's portable analyzer readings continue to exceed the permitted emission limits after eight (8) hour, the permittee shall notify the District within the following one (1) hour, and conduct a certified source test within 60 days to demonstrate compliance with permitted emissions limits. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must 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 2201 and 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.

21. Source testing to demonstrate compliance with NO_x (as NO₂), CO, ammonia emission limits, and fuel gas sulfur content limit shall be conducted within 60 days of initial firing. Source testing to demonstrate compliance with NO_x (as NO₂), CO, ammonia emissions limits, and fuel gas sulfur content limit shall be conducted at least once every twelve months thereafter. SCR catalyst inlet temperature and ammonia injection rate shall be recorded during any source testing. Source testing shall be performed with and without an operational duct burner. [District Rule 1081] Federally Enforceable Through Title V Permit
22. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. 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. The following test methods shall be used NO_x: EPA Method 7E or 20; PM₁₀: EPA method 5 (front half and back half); CO: EPA method 10 or 10B; VOC: EPA method 18; O₂: EPA Method 3, 3A, or 20; ammonia: BAAQMD ST-1B; natural gas fuel sulfur content: ASTM D3246; natural gas higher heating value (HHV): ASTM D3588-91, 1826-88, or 1945-81. [District Rules 1081, 2201, 4001 Subpart GG, and 4703] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of the date and time of all NO_x, CO, and O₂ measurements, the measured NO₂ and CO concentrations corrected to 15% O₂, and the O₂ concentration. The records shall also include a description of any corrective action taken to maintain the emissions in the acceptable range. [District Rule 1070 and 40 CFR part 64] Federally Enforceable Through Title V Permit
25. The permittee shall maintain records of daily and annual natural gas consumption (MMBtu) of gas turbine engine, daily and annual calculated emissions, ammonia injection rate, and catalyst inlet temperature. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
26. All records required to be maintained by this permit shall be maintained for a period of five years and shall be made readily available for District inspection upon request. [District Rule 2201] 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 part 64] Federally Enforceable Through Title V Permit
28. 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
29. 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

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

ATTACHMENT C

Detailed Facility List

Detailed Facility Report
For Facility=1346
Sorted by Facility Name and Permit Number

11/7/13
1:56 pm

CALIFORNIA DAIRIES, INC.	FAC #	S 1346	TYPE	TitleV	EXPIRE ON:	07/31/2013
11894 AVENUE 120	STATUS:	A	TOXIC ID:	AREA:	231	
TIPTON, CA 93272	TELEPHONE:	5596252200		INSP. DATE:	08/14	

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-1346-1-12	21 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED BOILER (S/N S2500-150-4) WITH A COMBUSTION SYSTEMS LOW NOX BURNER MODEL 500-P3 AND FLUE GAS RECIRCULATION (FGR) SYSTEM DESIGNATED AS STANDBY UNIT
S-1346-2-7	21 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED STANDBY BOILER (S/N S2500-150-5) WITH LO-NOX BURNER AND FLUE GAS RECIRCULATION
S-1346-3-11	21 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED BOILER (S/N S-2500-150-3) WITH LO-NOX BURNER AND FLUE GAS RECIRCULATION SYSTEM
S-1346-4-13	30,000 kBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	30 MMBTU/HR CE ROGERS NATURAL GAS-FIRED VERTICAL SPRAY MILK DRYER MODEL VRS13000 WITH "MAXON" LOW-NOX BURNER, CE ROGERS BAGHOUSE, AND CE ROGERS ENCLOSED SCREEN SIFTER WITH "DEAD-END" BAGHOUSE
S-1346-6-3	30,000 GALLONS	3020-05 C	1	135.00	135.00	A	30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN
S-1346-7-3	30,000 GALLONS	3020-05 C	1	135.00	135.00	A	30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN
S-1346-8-3	30,000 GALLONS	3020-05 C	1	135.00	135.00	A	30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN
S-1346-12-4	96 H.P. BAGGING OPERATION	3020-01 C	1	197.00	197.00	A	96 HP POWDERED MILK BAGGING OPERATION INCLUDING BULK TOTE FILLING, BAG FILLING AND VACUUM CLEANING SYSTEM SERVED BY A BAGHOUSE
S-1346-13-3	240 bhp IC engine	3020-10 C	1	240.00	240.00	A	240 BHP CUMMINS MODEL 6CT18.3F1 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP
S-1346-14-4	20 MMBTU/HR	3020-02 H	1	1,030.00	1,030.00	A	20 MMBTU/HR STORK FRIESLAND NATURAL GAS-FIRED SPRAY MILK DRYER WITH MAXON LOW-NOX BURNER, SIFTER, FINES RETURN SYSTEM, EXHAUST AIR SYSTEM SERVED BY TWO CYCLONES AND TWO BAGHOUSES (IN PARALLEL)
S-1346-15-2	30,000 GAL	3020-05 C	1	135.00	135.00	A	30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN
S-1346-16-2	30,000 GAL	3020-05 C	1	135.00	135.00	A	30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN
S-1346-17-2	30,000 GAL	3020-05 C	1	135.00	135.00	A	30,000 GALLON POWDERED MILK STORAGE SILO SERVED BY NUCON MODEL NCBV 36-25-2T BIN VENT FILTER WITH EXHAUST FAN
S-1346-18-5	31.5 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	31.5 MMBTU/HR NATURAL GAS-FIRED HURST BOILER #4 EQUIPPED WITH ULTRA LOW NOX BURNER

Detailed Facility Report
For Facility=1346
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-1346-19-5	31.5 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	31.5 MMBTU/HR NATURAL GAS-FIRED HURST BOILER #5 EQUIPPED WITH ULTRA LOW NOX BURNER
S-1346-20-3	2,220 bhp IC engine	3020-10 F	1	749.00	749.00	A	2,220 BHP CUMMINS MODEL KTA50-G9 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
S-1346-21-3	2,934 bhp IC engine	3020-10 F	1	749.00	749.00	A	2,934 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
S-1346-22-3	2,934 bhp IC engine	3020-10 F	1	749.00	749.00	A	2,934 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
S-1346-23-3	306 bhp IC engine	3020-10 C	1	240.00	240.00	A	306 BHP CATERPILLAR MODEL 3306B DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
S-1346-24-2	93 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	SOLAR TURBINE CENTAUR 50S NATURAL GAS TURBINE COGENERATION UNIT DRIVING A GENERATOR WITH AN ISO RATING OF 4.6 MW WITH UNFIRED HEAT RECOVERY STEAM GENERATOR (HRSG) AND 36 MMBTU/HR DUCT BURNER WITH SELECTIVE CATALYTIC REDUCTION AND OXIDATION CATALYST

Number of Facilities Reported: 1