



OCT 26 2009

Mike Tollstrup, Chief  
Project Assessment Branch  
Air Resources Board  
P O Box 2815  
Sacramento, CA 95812-2815

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # S-1346  
Project # S-1080285**

Dear Mr. Tollstrup:

The District has issued the Final Renewed Title V Permit for California Daries Inc. The preliminary decision for this project was made on August 18, 2009. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The public notice for issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

I would like to thank you and your staff for working with us. Should you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

Attachments

cc: Andrea Ogden, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

---

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

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

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



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



OCT 26 2009

Gerardo C. Rios, Chief  
Permits Office (AIR-3)  
U.S. EPA - Region IX  
75 Hawthorne St.  
San Francisco, CA 94105

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # S-1346  
Project # S-1080285**

Dear Mr. Rios:

The District has issued the Final Renewed Title V Permit for California Daries Inc. The preliminary decision for this project was made on August 18, 2009. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The public notice for issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

I would like to thank you and your staff for working with us. We appreciate your concurrence with this action. Should you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

Attachments

cc: Andrea Ogden, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

---

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

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

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



OCT 26 2009

Sy Dang Le  
California Daries Inc  
PO Box 837  
Tipton, CA 93272

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # S-1346  
Project # S-1080285**

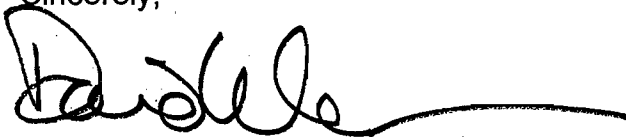
Dear Mr. Le:

The District has issued the Final Renewed Title V Permit for California Daries Inc. The preliminary decision for this project was made on August 18, 2009. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The public notice for issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

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

Sincerely,



David Warner  
Director of Permit Services

Attachments

cc: Andrea Ogden, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

---

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

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

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

Visalia Times-Delta

**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT  
NOTICE OF FINAL DECISION TO ISSUE  
RENEWED FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to issue the renewed Federally Mandated Operating Permit to California Daries Inc for its dry, condensed and evaporated dairy products located at 11894 Avenue 120, California.

The District's analysis of the legal and factual basis for this proposed action, project #S-1080285, is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and the District office at the address below. For additional information regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.

**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation  
California Daries, Inc.  
S-1346**

**TABLE OF CONTENTS**

---

I.	PROPOSAL.....	2
II.	FACILITY LOCATION .....	2
III.	EQUIPMENT LISTING .....	3
IV.	GENERAL PERMIT TEMPLATE USAGE .....	3
V.	SCOPE OF EPA AND PUBLIC REVIEW .....	3
VI.	FEDERALLY ENFORCEABLE REQUIREMENTS .....	3
VII.	REQUIREMENTS NOT FEDERALLY ENFORCEABLE.....	5
VIII.	PERMIT REQUIREMENTS .....	8
IX.	PERMIT SHIELD .....	19
X.	PERMIT CONDITIONS.....	20
XI.	ATTACHMENTS.....	20
A.	RENEWED TITLE V OPERATING PERMIT	
B.	PREVIOUS TITLE V OPERATING PERMIT	
C.	DETAILED FACILITY LIST	
D.	EPA CAOMMENTA AND DISTRICT RESPONSE	

**TITLE V PERMIT RENEWAL EVALUATION**  
**Dry, Condensed, and Evaporated Dairy Products**

**Engineer:** Andrea Ogden  
**Date:** July 15, 2009

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

**Contact Name:** Sy Dang Le, Environmental Compliance Manager  
**Phone:** (559) 233-5154 Ext 119

**Responsible Official:** Ronald Thompson  
**Title:** VP Regulatory and Quality Assurance

**Project # :** S-1080285  
**Deemed Complete:** April 8, 2008

---

**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 issuance of the initial Title V permit.

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

**II. FACILITY LOCATION**

California Dairies, Inc. 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 A.

### IV. GENERAL PERMIT TEMPLATE USAGE

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

### V. SCOPE OF EPA AND PUBLIC REVIEW

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

### VI. FEDERALLY ENFORCEABLE REQUIREMENTS

#### A. Rules Updated

- District Rule 2020, Exemptions  
(amended July 21, 1994 ⇒ amended February 19, 2002)
- District Rule 2201, New and Modified Stationary Source Review Rule  
(amended December 19, 2002)
- District Rule 4702, Internal Combustion Engines - Phase 2  
(amended April 20, 2006 ⇒ Amended January 18, 2007 )
- District Rule 8011, General Requirements  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8031, Bulk Materials  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8041, Carryout and Trackout  
(adopted November 15, 2001 ⇒ amended August 19, 2004)

- District Rule 8051, Open Areas  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos  
(amended September 18, 2003)
- 40 CFR Part 82, Subpart B, Stratospheric Ozone  
(amended November 9, 2007)
- 40 CFR Part 82, Subpart F, Stratospheric Ozone  
(amended June 8, 2008)

**B. Rules Added**

- District Rule 4309, Dryers, Dehydrators and Ovens  
(adopted December 15, 2005)

**C. Rules Not Updated**

- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications  
(amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits  
(amended June 21, 2001 )



- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate (amended December 17, 1992)
- District Rule 4306, Boilers, Steam Generators, Process Heaters (adopted September 18, 2003)
- District Rule 4703, Stationary Gas Turbines (amended April 25, 2002)
- District Rule 4601, Architectural Coatings (amended October 31, 2001)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)

## VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

### A. Rules Not Updated

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

Condition 1 of permit units -13-3, -20-3, -21-3, -22-3, -23-3, -24-2, and condition 11 of permit unit -14-4, are based on District Rule 4102 and will therefore not be discussed any further.

### B. Rules Added

District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators and Process Heaters Greater Than 5 MMBtu/hr (adopted October 16, 2008)

This rule applies to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a total rated heat input greater than 5 million Btu per hour.

This facility has 5 units which are subject to the requirements of this rule.

Section 5.1 states an operator of units subject to this rule shall comply with all applicable requirements of the rule and one of the following for each unit. (1) Operate the unit to comply with the emissions limits in Section 5.2 Table 1 and Section 5.4; (2) Pay an annual emissions fee and comply with control requirements specified in Section 5.4; or (3) comply with the low use requirements of Section 5.5.

Section 5.4 requires operators to comply with one of the following prior to the compliance deadline in Table 1 of Section 5.2: (1) fire the unit exclusively on PUC-Quality gas, commercial propane, butane, liquified petroleum gas, or a combination of such gases; (2) limit fuel sulfur content to no more than five (5) grains per one hundred (100) standard cubic feet; (3) install and properly operate an emission control system that reduces SO<sub>2</sub> emissions by at least 95% by weight; or limit exhaust SO<sub>2</sub> to less than or equal to 9 ppmv corrected to 3.0% O<sub>2</sub>.

Section 5.6 provides provisions for start-up and shutdown. Unless the operator submits an application for additional time, the duration of each start-up or shutdown may not exceed two hours. During start-up and shutdown the emission control system shall be in operation and emissions shall be minimized to the most technologically feasible extent.

Section 5.7 requires operators to comply with monitoring provisions. The operator shall install and operate a Continuous Emissions Monitoring System for NO<sub>x</sub>, CO and oxygen or implement an APCO-approved Alternate Monitoring System. This section also requires monitoring for SO<sub>x</sub> emissions dependent on the compliance option chosen in section 5.4.1.

Section 5.8 identifies the requirements for determining compliance. This section includes options for complying with heat input emission limits or concentration, operating conditions, and required averaging times.

Section 6.1 requires to operator to monitor and record, for each unit, the cumulative annual hours of operation on each fuel other than natural gas during periods of natural gas curtailment and the NO<sub>x</sub> emission concentration for each unit operated during periods of natural gas curtailment. If a unit is fired on liquid fuel during periods of natural gas curtailment, the operator is also required to record the sulfur content of the fuel, the amount of fuel used,

and the duration of the natural gas curtailment. This section also requires records to verify the required tune-up and monitoring of operational characteristics of the unit have been performed and the duration of start-up or shutdown of any unit.

Sections 6.2 and 6.3 state the test methods and required frequency of compliance testing using the stated methods. Requirements for designating representative units are also contained in this section.

Section 6.4 requires the operator to submit an Emission Control Plan (ECP) for each unit, no later than January 1, 2010. The plan is required to include (1) the Permit to Operate number, (2) Fuel type and hhv, (3) Annual fuel consumption (expressed as Btu/hr), (4) Current emission level, including method to determine emission level, (5) NO<sub>x</sub> limit to be satisfied (standard or enhanced) or emission fee payment as required by section 5.3, and (6) Plan of actions, including a schedule of increments of progress, which will be taken to satisfy the requirements of Section 5.0 and the compliance schedule in Section 7.0.

The following permit requirements assure compliance with this rule:

a. S-1346-1, -2, and -3, – Natural Gas Fired Boilers with Flue Gas Recirculation

The following condition was added to ensure compliance:

- Prior to January 1, 2010, the permittee shall submit an Emission Control Plan (ECP) to the APCO for approval. The plan shall include the following: Permit to Operate number, fuel type, hhv, annual fuel consumption (in Btu/yr), current emission level (including method to determine current emission level), NO<sub>x</sub> limit to be satisfied (standard or enhanced) or emission fee payment to be made, and a plan of actions, including a schedule of increments of progress, which will be taken to comply with the requirements of District Rule 4320 according to the compliance schedule in Section 7.0 of the Rule. [District Rule 4320]

b. S-1346-18 and -19 – Natural Gas Fired Boilers

Authorities to Construct (ATC) S-1346-18-4 and -19-4 were issued under project S-1091686 to comply with the requirements of Rule 4320. These ATCs will be incorporated into the Title V permit under Minor Modification project S-1091693.

## VIII. PERMIT REQUIREMENTS

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

### A. District Rule 2020 - Exemptions

District Rule 2020 lists equipment which are specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any affect 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 3.26, 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 at this time.

### C. District Rule 4101 - Visible Emissions

District Rule 4101 has been submitted to the EPA to replace SIP approved Rule 401 (all counties of the SJVUAPCD). EPA made a preliminary

determination that District Rule 4101 is "more stringent" than the county versions previously referenced, per correspondence dated August 20, 1996.

Section 5.0 prohibits the discharge of any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart; or is of such opacity as to obscure an observer's view to a degree equal to or greater than the smoke described in Section 5.1 of Rule 4101. Condition 22 of permit unit -0-2 ensures compliance.

**D. District Rule 4306 – Boilers, Steam Generators, and Process Heaters  
– Phase 3**

This rule applies to any boiler, steam generator or process heater, with a rated heat input greater than 5 million Btu per hour that is fired with gaseous and/or liquid fuels.

In general, the provisions of Rule 4306 are similar to Rule 4305 except for the following provisions:

- The rule contains more stringent emission limits than Rule 4305.
- The tune-up requirements in Rule 4306 would be semi-annual instead of once every 12-months as prescribed in Rule 4305.
- Provisions for start-up and shutdown of units would be included in the rule.
- Source testing would need to be conducted at conditions representative of normal operations or conditions specified in the Permit to Operate.
- An Alternate Emission Control Plan (AECPP) provision has been added to provide operators with some flexibility in complying with the proposed emission limits.
- A prescribed minimum percent of the total number of units at a stationary source that are subject to the rule would have to comply by June 1, 2005, June 1, 2006, and June 1, 2007.

The following permit requirements ensure compliance with this rule:

a. S-1346-1, -2, and -3, – Natural Gas Fired Boilers with Flue Gas Recirculation

Permit Unit	Condition Number
S-1346-1	18, 19, 23, 24, 25, & 26
S-1346-2	10, 11, 12, 13, 14, 19, 23, 24, 25, 26, & 27
S-1346-3	10, 11, 12, 13, 14, 19, 23, 24, 25, 26, & 27

b. S-1346-18 and -19 – Natural Gas Fired Boilers

Permit Unit	Condition Number
S-1346-18	9, & 20
S-1346-19	9, & 20

E. **District Rule 4309 - Dryers, Dehydrators, and Ovens**

The purpose of this rule is to limit emissions of oxides of nitrogen (NO<sub>x</sub>) and carbon monoxide (CO) from dryers, dehydrators, and ovens. This rule applies to any dryer, dehydrator, or oven that is fired on gaseous fuel, liquid fuel, or is fired on gaseous and liquid fuel sequentially, and the total rated heat input for the unit is 5.0 million British thermal units per hour (5.0 MMBtu/hr) or greater.

The facility's two direct-fired dryers (S-1346-4 and -14), each of which has heat input rating greater than 5.0 MMBtu/hr are subject to the requirements of this rule. The dryers are required to comply with the Table 1 NO<sub>x</sub> and CO limits of 5.3 ppmv NO<sub>x</sub> and 42 ppmv CO corrected to either 19% O<sub>2</sub>, if the measured exhaust O<sub>2</sub> concentration is less than 19%, or uncorrected if the measured O<sub>2</sub> concentration is greater than 19%.

S-1346-4-8:

The requirements for District Rule 4309 were incorporated into the Title V permit under Project S-1093583.

S-1346-14-3:

The requirements for District Rule 4309 were incorporated into the Title V permit under Project S-1083371.

F. **District Rule 4701 - Internal Combustion Engines – Phase 1**

Pursuant to Section 7.5.2.3 of District Rule 4702, as of June 1, 2006 District Rule 4701 is no longer applicable to diesel-fired emergency standby or emergency IC engines. Therefore, these diesel-fired emergency IC engines will comply with the requirements of District Rule 4702 and no further discussion is required.

G. **Rule 4702 - Internal Combustion Engines – Phase 2**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines.

This rule applies to any internal combustion engine with a rated brake horsepower greater than 50 horsepower.

Pursuant to Section 4.2, except for the requirements of Sections 5.7 and 6.2.3, the requirements of this rule shall not apply to an internal combustion engine that meets the following condition:

- 1) An emergency standby engine as defined in Section 3.0 of this rule, and provided that it is operated with a nonresettable elapsed operating time meter. In lieu of a nonresettable time meter, the owner of an emergency engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

Section 3.15 defines an "Emergency Standby Engine" as an internal combustion engine which operates as a temporary replacement for primary mechanical or electrical power during an unscheduled outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the operator. An engine shall be considered to be an emergency standby engine if it is used only for the following purposes: (1) periodic maintenance, periodic readiness testing, or readiness testing during and after repair work; (2) unscheduled outages, or to supply power while maintenance is performed or repairs are made to the primary power supply; and (3) if it is limited to operate 100 hours or less per calendar year for non-emergency purposes. An engine shall not be considered to be an emergency standby engine if it is used: (1) to reduce the demand for electrical power when normal electrical power line service has not failed, or (2) to produce power for the utility electrical distribution system, or (3) in conjunction with a voluntary utility demand reduction program or interruptible power contract.

Therefore, the emergency standby IC engines will only have to meet the requirements of Sections 5.7 and 6.2.3 of this Rule.

Section 5.7 of this Rule requires that the owner of an emergency standby engine shall comply with the requirements specified in Section 5.7.2 through Section 5.7.5 below:

- 1) Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier.
- 2) Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.

- 3) Install and operate a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and is allowed by Permit-to-Operate or Stationary Equipment Registration condition. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

The following conditions will be listed to ensure compliance:

- {3405} 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]
- {3478} 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]
- {3403} 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]
- {3807} An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702]
- {3808} This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702]
- {3813} This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed X hours per calendar year. [District Rule 4702 and 17 CCR 93115]



Permit Unit	Condition
S-1346-13	10
S-1346-20	10
S-1346-21, -22, & -23	11

Section 6.2.3 requires that an owner claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and submitted to the APCO upon request and at the end of each calendar year in a manner and form approved by the APCO. The following conditions will be listed to ensure compliance:

- {3479} 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]
- {3475} All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]

**H. District Rule 4703 – Stationary Gas Turbines**

The purpose of this rule is to limit oxides of nitrogen (NO<sub>x</sub>) emissions from stationary gas turbine systems. Rule 4703 is applicable to stationary gas turbine engines with a rating greater than 0.3 megawatts. Since the proposed Centaur 50S turbine has an ISO rating of 4.6 MW, this rule is applicable.

Under Section 5.1.1 of the rule, the Tier 1 NO<sub>x</sub> limit from stationary gas turbine systems greater than 0.3 MW but less than 10.0 MW, and greater than or equal to 877 hours/year is as follows:

$$\text{NO}_x \text{ (ppmv @ 15\% O}_2\text{)} = 42$$

The Section 5.1.2 Tier 2 “standard” NO<sub>x</sub> limit requires units no greater than 10 MW to achieve a 25 ppmvd or 35 ppmvd limit depending on the commercial

availability of a dry low NO<sub>x</sub> (DLN) System. The applicant is meeting 2.5 ppmv which complies with Tier 2 NO<sub>x</sub> compliance limits.

Section 5.2 limits the CO emissions from these turbines to 200 ppmv CO @ 15% O<sub>2</sub>. This turbine is limited to a maximum of 6.0 ppmv CO @ 15% O<sub>2</sub>. Therefore, compliance is expected.

Sections 6.2 and 6.3 contain the following monitoring, recordkeeping, and source testing requirements. These requirements will be included as permit conditions:

- Maintain records, for inspection at any time, for a period of five years.
- Correlate control system operating parameters with NO<sub>x</sub> emissions.
- Maintain an operating log that includes, on a daily basis, the actual local start-up and stop time, length and reason for reduced load periods, total hours of operation, type and quantity of fuel used (liquid/gas)
- Provide source test information annually regarding the exhaust gas NO<sub>x</sub> and CO concentrations.

The proposed PTO contains conditions incorporating these requirements. Furthermore, Section 6.2.1 requires the owner or operator shall either install, operate, and maintain continuous emissions monitoring equipment for NO<sub>x</sub> and oxygen, as identified in District Rule 1081, or install and maintain APCO-approved alternate monitoring consisting of one or more of the following:

- Periodic NO<sub>x</sub> emission concentrations
- Turbine exhaust oxygen concentration
- Air-to-fuel ratio
- Flow rate of reducing agents added to turbine exhaust
- Catalyst inlet and exhaust temperature
- Catalyst inlet and exhaust oxygen concentration
- Other operational characteristics

The applicant is proposing to comply with Section 6.2.1 by following manufacturing recommendations and implementing the following alternate monitoring plan consisting of:

- weekly measurement of exhaust NO<sub>x</sub> concentrations using a portable analyzer

Compliance testing is required pursuant to Section 6.3. Annual source tests are required for the NO<sub>x</sub> and CO concentrations. Compliance will be demonstrated both with and without the duct burners firing.

**I. District Rule 8011 - General Requirements**

The purpose of Regulation VIII (Fugitive PM10 Prohibitions) is to reduce ambient concentrations of fine particulate matter (PM10) by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. The Rules contained in this Regulation have been developed pursuant to United States Environmental Protection Agency guidance for Serious PM10 Nonattainment Areas. The rules are applicable to specified anthropogenic fugitive dust sources. Fugitive dust contains PM10 and particles larger than PM10. Controlling fugitive dust emissions when visible emissions are detected will not prevent all PM10 emissions, but will substantially reduce PM10 emissions.

The provisions of this rule are applicable to specified outdoor fugitive dust sources. The definitions, exemptions, requirements, administrative requirements, recordkeeping requirements, and test methods set forth in this rule are applicable to all Rules under Regulation VIII (Fugitive PM10 Prohibitions) of the Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District.

Conditions 29 through 34 of permit unit -0-2 ensure compliance.

**J. District Rule 8021 - Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities**

The purpose of this rule is to limit fugitive dust emissions from construction, demolition, excavation, extraction, and other earthmoving activities.

This rule applies to any construction, demolition, excavation, extraction, and other earthmoving activities, including, but not limited to, land clearing, grubbing, scraping, travel on site, and travel on access roads to and from the site. This rule also applies to the construction of new landfill disposal sites or modification to existing landfill disposal sites prior to commencement of landfilling activities.

Section 5.0 requires that no person shall perform any construction, demolition, excavation, extraction, or other earthmoving activities unless the appropriate requirements in sections 5.1 and 5.2 are sufficiently implemented to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

Condition 29 of permit unit -0-2 ensures compliance.

**K. District Rule 8031 - Bulk Materials**

The purpose of this rule is to limit fugitive dust emissions from the outdoor handling, storage, and transport of bulk materials.

This rule applies to the outdoor handling, storage, and transport of any bulk material.

Section 5.0 requires that no person shall perform any outdoor handling, storage, and transport of bulk materials unless the appropriate requirements in Table 8031-1 of this rule are sufficiently implemented to limit VDE to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

Condition 30 of permit unit -0-2 ensures compliance.

**L. District Rule 8041 - Carryout and Trackout**

The purpose of this rule is to limit fugitive dust emissions from carryout and trackout.

This rule applies to all sites that are subject to Rules 8021 (Construction, Demolition, Excavation, Extraction, and other Earthmoving Activities), 8031 (Bulk Materials), and 8071 (Unpaved Vehicle and Equipment Traffic Areas) where carryout or trackout has occurred or may occur.

Section 5.0 requires that an owner/operator shall sufficiently prevent or cleanup carryout and trackout as specified in sections 5.1 through 5.8. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII. The use of blower devices, or dry rotary brushes or brooms, for removal of carryout and trackout on public roads is expressly prohibited. The removal of carryout and trackout from paved public roads does not exempt an owner/operator from obtaining state or local agency permits which may be required for the cleanup of mud and dirt on paved public roads.

Condition 31 of permit unit -0-2 ensures compliance.

**M. District Rule 8051 - Open Areas**

The purpose of this rule is to limit fugitive dust emissions from open areas.

This rule applies to any open area having 3.0 acres or more of disturbed surface area, that has remained undeveloped, unoccupied, unused, or vacant for more than seven days.

Section 5.0 requires that whenever open areas are disturbed or vehicles are used in open areas, the owner/operator shall implement one or a combination of control measures indicated in Table 8051-1 to comply with the conditions of a stabilized surface at all times and to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

Condition 32 of permit unit -0-2 ensures compliance.

**N. District Rule 8061 - Paved and Unpaved Roads**

The purpose of this rule is to limit fugitive dust emissions from paved and unpaved roads by implementing control measures and design criteria.

This rule applies to any new or existing public or private paved or unpaved road, road construction project, or road modification project.

Condition 33 of permit unit -0-2 ensures compliance.

**O. District Rule 8071 - Unpaved Vehicle/Equipment Traffic Area**

The purpose of this rule is to limit fugitive dust emissions from unpaved vehicle and equipment traffic areas by implementing control measures and design criteria.

This rule applies to any unpaved vehicle/equipment traffic area of 1.0 acre or larger.

Condition 34 of permit unit -0-2 ensures compliance.

**P. 40 CFR Part 64-CAM**

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

- 1) the unit must have an emission limit for the pollutant;
- 2) the unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and

3) the unit must have a pre-control potential to emit of greater than the major source thresholds.

a. S-1346-1, -2, and -3, – Natural Gas Fired Boilers with Flue Gas Recirculation

These units may be subject to CAM for NO<sub>x</sub>, as there is a NO<sub>x</sub> limit, and it does have add-on controls in the form of FGR. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 50,000 pounds NO<sub>x</sub>/year.

Uncontrolled emission factor for NO<sub>x</sub> is 100 lb/MMScf or 0.098 lb/MMBtu (AP-42, 1.4-5, July 1998). The maximum rating for units -1, -2, and -3 is 21.0 MMBtu/hr. Unit 1 is dormant and units 2 and 3 are limited by permit condition to 720 hours per year.

$$21.0 \text{ MMBtu/hr} \times 0.098 \text{ lb NO}_x/\text{MMBtu} \times 720 \text{ hrs/year} = 1,482 \text{ lbs NO}_x/\text{year}$$

b. S-1346-4 and -14 – Natural Gas-Fired Spray Milk Drier Controlled by a Baghouse

Compliance with CAM requirements for units S-1346-4 and -14 is assured by permit conditions as outlined in the following table.

Permit Unit	Condition Number
S-1346-4	19, 20, 21, 22, 24, 25, & 26
S-1346-14	10, 12, 13, 15, 16, 22, 23, 24, 25, 27, 28, & 29

c. S-1346-6, -7, -8, -15, -16 and -17 – Powdered Milk Storage Silos served by Bin Vent Filter and Exhaust Fan

Compliance with CAM requirements for units S-1346-6, -7, -8, -15, -16 and -17 is assured by permit conditions as outlined in the following table.

Permit Unit	Condition Number
S-1346-6	1, 2, 3, 7, 8, 9, 11, 12, & 13
S-1346-7	1, 2, 3, 7, 8, 9, 11, 12, & 13
S-1346-8	1, 2, 3, 7, 8, 9, 11, 12, & 13
S-1346-15	1, 2, 3, 7, 8, 9, 11, 12, & 13
S-1346-16	1, 2, 3, 7, 8, 9, 11, 12, & 13
S-1346-17	1, 2, 3, 7, 8, 9, 11, 12, & 13

d. S-1346-12 – Powdered Milk Bagging Operation Served by a Baghouse

Compliance with CAM requirements for unit S-1346-12 is assured by permit conditions as outlined in the following table.

Permit Unit	Condition Number
S-1346-12	6, 7, 9, 11, 12, 13, 14, 16, 17, & 18

e. S-1346-13, -20, -21, -22 and -23 – Diesel-Fired Emergency Standby Generators

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

f. S-1346-18 and -19 – Natural Gas Fired Boilers

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

g. S-1346-24 – 4.6 MW Natural Gas-Fired Solar Turbine Cogeneration Unit with Heat Recovery Steam Generator and Duct Burner with Selective Catalytic Reduction and Oxidation Catalyst

Compliance with CAM requirements for unit S-1346-24 is assured by permit conditions as outlined in the following table.

Permit Unit	Condition Number
S-1346-24	7, 19, 20, 24, 25, 27, 28, & 29

**Q. 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos**

These regulations apply to demolition or renovation activity, as defined in 40 CFR 61.141. 40 CFR Section 61.150 of this Subpart was amended September 18, 2003, and condition 35 of S-1346 -0-2 assures compliance with the requirements.

**R. 40 CFR Part 82, Subparts B and F, Stratospheric Ozone**

These regulations apply to servicing motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC). Sections of this regulation were amended in 2007 and 2008, and conditions 27 and 28 of S-1346 -0-2 assure compliance with the requirements.

**IX. PERMIT SHIELD**

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the

Title V permit. Compliance with the terms and conditions of the Operating Permit is considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

**A. Requirements Addressed by Model General Permit Templates**

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

**B. Obsolete Permit Shields From Existing Permit Requirements**

Obsolete permit shields on existing permit units have been removed because of newer rule adoption or amendments to an existing rule. The existing permit shield was granted under a previous version of a rule, and that permit shield is no longer valid and must be removed from the permit requirements. The following table provides details on which obsolete permit shields were removed.

<b>Permit Unit</b>	<b>Condition Number</b>
S-1346-0-1	39 & 40
S-1346-1-7	11, 12, 13, 14, & 15
S-1346-2-4	8, 9, 10, 11, & 12
S-1346-3-7	8, 9, 10, 11, & 12
S-1346-13-2	8
S-1346-18-2	7, 8, 9, 10, & 11
S-1346-19-2	7, 8, 9, 10, & 11
S-1346-20-2	9
S-1346-21-2	9
S-1346-22-2	9
S-1346-23-2	9

**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

Renewed 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 DR  
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

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-1346-1-10

**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 S.T. JOHNSON CO. ULTRA-LOW-NOX BURNER MODEL RX500F AND FLUE GAS RECIRCULATION (DORMANT EMISSIONS UNIT)

## PERMIT UNIT REQUIREMENTS

---

1. No modification to this unit shall be performed without an Authority to Construct for such modification(s), except for changes specified in conditions below. [District Rule 2010] Federally Enforceable Through Title V Permit
2. The fuel supply line shall be physically disconnected from this unit. [District Rule 4306] Federally Enforceable Through Title V Permit
3. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 4306] Federally Enforceable Through Title V Permit
4. Operators shall notify the District at least seven (7) calendar days prior to recommencing operation of this dormant emissions unit, at which time this permit will be administratively modified to remove DEU references. [District Rule 4306] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
6. Upon recommencing operation, 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
7. 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
8. Upon recommencing operation, operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Upon recommencing operation, 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
10. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
11. 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

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

0-1346-1-10-0000-000000-000000

12. 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
13. 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
14. 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
15. 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
16. 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
17. Flue gas recirculation shall be utilized whenever boiler is operating. [District NSR Rule] Federally Enforceable Through Title V Permit
18. 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
19. Upon recommencing operation, emissions from this boiler shall not exceed any of the following limits: PM10: 0.003 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 0.011 lb/MMBtu (9 ppmv @ 3% O2), VOC: 0.003 lb/MMBtu or CO: 0.170 lb/MMBtu. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
20. Upon recommencing operation, source testing to demonstrate compliance with the NOx and CO emission limits shall be conducted not less than once every 12 months. Demonstrating compliance on two consecutive compliance source tests may defer the following source test for up to 36 months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. Upon recommencing operation, 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, 4305 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
22. 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 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
23. 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 4305 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.



24. The following conditions must be met for representative unit(s) to be used to test for NO<sub>x</sub> 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, 4305 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
25. All units in a group for which representative units are source for NO<sub>x</sub> 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 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
26. All units in a group for which representative units are source tested to for NO<sub>x</sub> 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, 4305 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
27. The number of representative units source tested for NO<sub>x</sub> 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
28. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (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 and 4306, 6.2] Federally Enforceable Through Title V Permit
29. 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
30. 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
31. 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
32. Operation shall be equipped with flue gas recirculation valve setting indicator. [District NSR Rule and District Rules 4305 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
33. Upon recommencing operation, 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 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
34. 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 NO<sub>x</sub> and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306, 5.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

35. 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 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
36. Upon recommencing operation, 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 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
37. Prior to January 1, 2010, the permittee shall submit an Emission Control Plan (ECP) to the APCO for approval. The plan shall include the following: Permit to Operate number, fuel type, hhv, annual fuel consumption (in Btu/yr), current emission level (including method to determine current emission level), NOx limit to be satisfied (standard or enhanced) or emission fee payment to be made, and a plan of actions, including a schedule of increments of progress, which will be taken to comply with the requirements of District Rule 4320 according to the compliance schedule in Section 7.0 of the Rule. [District Rule 4320]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1346-2-6

**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% CO<sub>2</sub>, 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 hours for the boiler shall not exceed 720 hours. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. 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
5. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. 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
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hmv). [District Rule 4305, 8.1 and/or 4351, 8.1] 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 NSR Rule] Federally Enforceable Through Title V Permit
10. 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
11. Emissions from this boiler shall not exceed any of the following limits: PM<sub>10</sub>: 0.003 lb/MMBtu, SO<sub>x</sub> (as SO<sub>2</sub>): 0.00285 lb/MMBtu, NO<sub>x</sub> (as NO<sub>2</sub>): 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.

12. NO<sub>x</sub> 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
13. If permittee fails any compliance demonstration for NO<sub>x</sub> or CO emissions limits when testing not less than once every 36 months, compliance with NO<sub>x</sub> 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
14. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NO<sub>x</sub> 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<sub>x</sub> 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
15. The following conditions must be met for representative unit(s) to be used to test for NO<sub>x</sub> 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
16. All units in a group for which representative units are source for NO<sub>x</sub> 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
17. All units in a group for which representative units are source tested to for NO<sub>x</sub> 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
18. The number of representative units source tested for NO<sub>x</sub> 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
19. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (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
20. 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
21. 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
22. 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
23. Operation shall be equipped with flue gas recirculation valve setting indicator. [District NSR Rule 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.

24. 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
25. 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
26. 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
27. 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
28. Prior to January 1, 2010, the permittee shall submit an Emission Control Plan (ECP) to the APCO for approval. The plan shall include the following: Permit to Operate number, fuel type, hhv, annual fuel consumption (in Btu/yr), current emission level (including method to determine current emission level), NOx limit to be satisfied (standard or enhanced) or emission fee payment to be made, and a plan of actions, including a schedule of increments of progress, which will be taken to comply with the requirements of District Rule 4320 according to the compliance schedule in Section 7.0 of the Rule. [District Rule 4320]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1346-3-8

**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% CO<sub>2</sub>, 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 hours for the boiler shall not exceed 720 hours. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. 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
5. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. 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
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] 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 NSR Rule] Federally Enforceable Through Title V Permit
10. 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
11. Emissions from this boiler shall not exceed any of the following limits: PM<sub>10</sub>: 0.003 lb/MMBtu, SO<sub>x</sub> (as SO<sub>2</sub>): 0.00285 lb/MMBtu, NO<sub>x</sub> (as NO<sub>2</sub>): 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.

12. NO<sub>x</sub> 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
13. If permittee fails any compliance demonstration for NO<sub>x</sub> or CO emissions limits when testing not less than once every 36 months, compliance with NO<sub>x</sub> 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
14. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NO<sub>x</sub> 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<sub>x</sub> 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
15. The following conditions must be met for representative unit(s) to be used to test for NO<sub>x</sub> 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
16. All units in a group for which representative units are source for NO<sub>x</sub> 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
17. All units in a group for which representative units are source tested to for NO<sub>x</sub> 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
18. The number of representative units source tested for NO<sub>x</sub> 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
19. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (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
20. 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
21. 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
22. 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
23. Operation shall be equipped with flue gas recirculation valve setting indicator. [District NSR Rule 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.

24. 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
25. 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
26. 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
27. 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
28. The permittee shall maintain records of the date and hours of operation for this permit unit and shall retain such records on the premises for at least five years and made available for District inspection upon request. [District Rule 2201]
29. Prior to January 1, 2010, the permittee shall submit an Emission Control Plan (ECP) to the APCO for approval. The plan shall include the following: Permit to Operate number, fuel type, hhv, annual fuel consumption (in Btu/yr), current emission level (including method to determine current emission level), NOx limit to be satisfied (standard or enhanced) or emission fee payment to be made, and a plan of actions, including a schedule of increments of progress, which will be taken to comply with the requirements of District Rule 4320 according to the compliance schedule in Section 7.0 of the Rule. [District Rule 4320]

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



# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-4-9

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<sub>x</sub> (as SO<sub>2</sub>): 0.001 lb/MMBTU, NO<sub>x</sub> (as NO<sub>2</sub>): 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<sub>x</sub> 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 O<sub>2</sub> 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<sub>x</sub>, CO, and O<sub>2</sub> 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<sub>x</sub> 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<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> 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 686 MMBtu in any day and 35,000 MMBtu/qtr, or 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.

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272

S-1346-7-3: Oct 19 2009 4:13PM - OGDENA

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.

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<sub>x</sub> (as SO<sub>2</sub>): 0.0006 lb/MMBTU, NO<sub>x</sub> (as NO<sub>2</sub>): 1.7 ppmv at stack conditions (0.04 lb-NO<sub>x</sub>/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<sub>x</sub> 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 O<sub>2</sub> 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<sub>x</sub>, CO, and O<sub>2</sub> 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<sub>x</sub> or CO concentrations corrected to 19% O<sub>2</sub>, 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<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 19% O<sub>2</sub> (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. PM<sub>10</sub> 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 PM<sub>10</sub>, NO<sub>x</sub> 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: PM<sub>10</sub> (lb/ton) - CARB 501 in combination with CARB 5 or EPA Method 8, NO<sub>x</sub> (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<sub>x</sub> 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  $E = 3.59xP^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.31xP^{0.16}$  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  $E = 17.3 \times P^{0.16}$  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-1346-18-3

**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% CO<sub>2</sub>, 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 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
4. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. 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
6. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/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. 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
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: PM<sub>10</sub>: 0.0076 lb/MMBtu, SO<sub>x</sub> (as SO<sub>2</sub>): 0.0006 lb/MMBtu, NO<sub>x</sub> (as NO<sub>2</sub>): 9 ppmv @ 3% O<sub>2</sub> (equivalent to 0.011 lb NO<sub>x</sub>/MMBtu), VOC: 0.0056 lb/MMBtu or CO: 100 ppmv @ 3% O<sub>2</sub> (equivalent to 0.074 lb CO/MMBtu). [District NSR Rule] 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<sub>x</sub> 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 4351, 6.3] Federally Enforceable Through Title V Permit
12. If permittee fails any compliance demonstration for NO<sub>x</sub> or CO emissions limits when testing not less than once every 36 months, compliance with NO<sub>x</sub> and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 4305, 6.3.1 and 4351, 6.3] Federally Enforceable Through Title V Permit
13. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (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 4305, 6.2] Federally Enforceable Through Title V Permit
14. 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
15. 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
16. 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
17. The permittee shall monitor and record the stack concentration of NO<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> at least once every month 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 five days of restarting the unit unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
18. If the NO<sub>x</sub> and/or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
20. For emissions monitoring pursuant to Sections 5.4.2, 5.4.2.1, and 6.3.1 of District Rule 4305, (amended August 21, 2003) and District Rule 4306 (amended September 18, 2003), using a portable NO<sub>x</sub> 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. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.4] 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-1346-19-3

**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% CO<sub>2</sub>, 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 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
4. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. 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
6. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/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. 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
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: PM<sub>10</sub>: 0.0076 lb/MMBtu, SO<sub>x</sub> (as SO<sub>2</sub>): 0.0006 lb/MMBtu, NO<sub>x</sub> (as NO<sub>2</sub>): 9 ppmv @ 3% O<sub>2</sub> (equivalent to 0.011 lb NO<sub>x</sub>/MMBtu), VOC: 0.0056 lb/MMBtu or CO: 100 ppmv @ 3% O<sub>2</sub> (equivalent to 0.074 lb CO/MMBtu). [District NSR Rule] 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<sub>x</sub> 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 4351, 6.3] Federally Enforceable Through Title V Permit
12. If permittee fails any compliance demonstration for NO<sub>x</sub> or CO emissions limits when testing not less than once every 36 months, compliance with NO<sub>x</sub> and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 4305, 6.3.1 and 4351, 6.3] Federally Enforceable Through Title V Permit
13. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (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 4305, 6.2] Federally Enforceable Through Title V Permit
14. 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
15. 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
16. 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
17. The permittee shall monitor and record the stack concentration of NO<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> at least once every month 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. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
18. If the NO<sub>x</sub> and/or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
20. For emissions monitoring pursuant to Sections 5.4.2, 5.4.2.1, and 6.3.1 of District Rule 4305, (amended August 21, 2003) and District Rule 4306 (amended September 18, 2003), using a portable NO<sub>x</sub> 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. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.4] 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-1346-20-3

**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.

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272

S-1346-22-3 Oct 19 2009 4:14PM - OGDENA

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% O<sub>2</sub>. [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<sub>x</sub> control. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Annual emission rates from turbine exhaust shall not exceed the following: PM<sub>10</sub>: 17,108 lb/yr; NO<sub>x</sub> (as NO<sub>2</sub>): 8,008 lb/yr; SO<sub>x</sub> (as SO<sub>2</sub>): 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: PM<sub>10</sub>: 0.021 lb/MMBtu; NO<sub>x</sub> (as NO<sub>2</sub>): 2.5 ppmv @ 15% O<sub>2</sub>; SO<sub>x</sub> (as SO<sub>2</sub>): 0.00285 lb/MMBtu; VOC: 2.0 ppmv @ 15% O<sub>2</sub>; and CO: 6.0 ppmv @ 15% O<sub>2</sub> 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: PM<sub>10</sub>: 0 lb/day; NO<sub>x</sub> (as NO<sub>2</sub>): 3.3 lb/day; SO<sub>x</sub> (as SO<sub>2</sub>): 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<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> weekly. If compliance with NO<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> 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<sub>x</sub> (as NO<sub>2</sub>), 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<sub>x</sub> (as NO<sub>2</sub>), 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<sub>x</sub>: EPA Method 7E or 20; PM<sub>10</sub>: EPA method 5 (front half and back half); CO: EPA method 10 or 10B; VOC: EPA method 18; O<sub>2</sub>: 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<sub>x</sub>, CO, and O<sub>2</sub> measurements, the measured NO<sub>2</sub> and CO concentrations corrected to 15% O<sub>2</sub>, and the O<sub>2</sub> 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 B

Previous Title V Operating Permit

---



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

# Permit to Operate

**FACILITY:** S-1346

**EXPIRATION DATE:** 07/31/2008

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

CALIFORNIA DAIRIES, INC.  
2000 N PLAZA DR  
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-1346-0-1

EXPIRATION DATE: 07/31/2008

## 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-1346-0-1; Jul 14 2009 1:59PM - OGDENA



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. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), and Rule 111 (Kern, Tulare, Kings). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (11/15/01); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (10/31/01); 8021 (11/15/01); 8031 (11/15/01); 8041 (11/15/01); 8051 (11/15/01); 8061 (11/15/01); and 8071 (11/15/01). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. On December 31, 2003, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-1-7

EXPIRATION DATE: 07/31/2008

SECTION: SW17 TOWNSHIP: 22S RANGE: 25E

## EQUIPMENT DESCRIPTION:

21 MMBTU/HR HURST 500 HP NATURAL GAS-FIRED BOILER (S/N S2500-150-4) WITH S.T. JOHNSON CO. ULTRA-LOW-NOX BURNER MODEL RX500F AND FLUE GAS RECIRCULATION (DORMANT EMISSIONS UNIT)

## PERMIT UNIT REQUIREMENTS

1. No modification to this unit shall be performed without an Authority to Construct for such modification(s), except for changes specified in conditions below. [District Rule 2010] Federally Enforceable Through Title V Permit
2. The fuel supply line shall be physically disconnected from this unit. [District Rule 4306] Federally Enforceable Through Title V Permit
3. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 4306] Federally Enforceable Through Title V Permit
4. Operators shall notify the District at least seven (7) calendar days prior to recommencing operation of this dormant emissions unit, at which time this permit will be administratively modified to remove DEU references. [District Rule 4306] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
6. Upon recommencing operation, 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
7. 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
8. Upon recommencing operation, operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Upon recommencing operation, 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
10. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. 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
15. 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
16. 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
17. Flue gas recirculation shall be utilized whenever boiler is operating. [District NSR Rule] Federally Enforceable Through Title V Permit
18. 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
19. Upon recommencing operation, emissions from this boiler shall not exceed any of the following limits: PM10: 0.003 lb/MMBtu, SO<sub>x</sub> (as SO<sub>2</sub>): 0.00285 lb/MMBtu, NO<sub>x</sub> (as NO<sub>2</sub>): 0.011 lb/MMBtu (9 ppmv @ 3% O<sub>2</sub>), VOC: 0.003 lb/MMBtu or CO: 0.170 lb/MMBtu. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
20. Upon recommencing operation, source testing to demonstrate compliance with the NO<sub>x</sub> and CO emission limits shall be conducted not less than once every 12 months. Demonstrating compliance on two consecutive compliance source tests may defer the following source test for up to 36 months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
21. Upon recommencing operation, NO<sub>x</sub>, 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 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
22. If permittee fails any compliance demonstration for NO<sub>x</sub> or CO emissions limits when testing not less than once every 36 months, compliance with NO<sub>x</sub> and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 2520, 9.3.2, 4305 and 4306, 6.3.1] Federally Enforceable Through Title V Permit
23. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NO<sub>x</sub> 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<sub>x</sub> 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 4305 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.

24. The following conditions must be met for representative unit(s) to be used to test for NO<sub>x</sub> 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, 4305 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
25. All units in a group for which representative units are source for NO<sub>x</sub> 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 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
26. All units in a group for which representative units are source tested to for NO<sub>x</sub> 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, 4305 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
27. The number of representative units source tested for NO<sub>x</sub> 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
28. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (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 and 4306, 6.2] Federally Enforceable Through Title V Permit
29. 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
30. 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
31. 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
32. Operation shall be equipped with flue gas recirculation valve setting indicator. [District NSR Rule and District Rules 4305 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
33. Upon recommencing operation, 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 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
34. 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 NO<sub>x</sub> and CO emissions rates have been demonstrated through source testing at a similar firing rate. [District Rules 4305 and 4306, 5.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

35. 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 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
36. Upon recommencing operation, 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 and 4306, 5.4.2] 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-1346-2-4

EXPIRATION DATE: 07/31/2008

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% CO<sub>2</sub>, 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 hours for the boiler shall not exceed 720 hours. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. 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
5. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. 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
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] 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 NSR Rule] 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 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
16. Emissions from this boiler shall not exceed any of the following limits: PM10: 0.003 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (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
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, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
18. 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
19. 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
20. 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
21. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

22. All units in a group for which representative units are source tested to for NO<sub>x</sub> 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
23. The number of representative units source tested for NO<sub>x</sub> 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
24. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (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
25. 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
26. 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
27. 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
28. Operation shall be equipped with flue gas recirculation valve setting indicator. [District NSR Rule and District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
29. 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
30. 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 NO<sub>x</sub> 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
31. 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
32. 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-3-7

EXPIRATION DATE: 07/31/2008

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% CO<sub>2</sub>, 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 hours for the boiler shall not exceed 720 hours. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. 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
5. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. 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
7. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] 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 NSR Rule] 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 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
16. Emissions from this boiler shall not exceed any of the following limits: PM10: 0.003 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (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
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, 4305, 6.3.1 and 4306] Federally Enforceable Through Title V Permit
18. 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
19. 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
20. 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
21. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

22. 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
23. 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
24. 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
25. 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
26. 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
27. 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
28. Operation shall be equipped with flue gas recirculation valve setting indicator. [District NSR Rule and District Rule 4305, 5.4.2 and 4306] Federally Enforceable Through Title V Permit
29. 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
30. 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
31. 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
32. 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
33. The permittee shall maintain records of the date and hours of operation for this permit unit and shall retain such records on the premises for at least five years and made available for District inspection upon request. [District Rule 2201]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1346-4-7

EXPIRATION DATE: 07/31/2008

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<sub>x</sub> (as SO<sub>2</sub>): 0.001 lb/MMBTU, NO<sub>x</sub> (as NO<sub>2</sub>): 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<sub>x</sub> 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 O<sub>2</sub> 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<sub>x</sub>, CO, and O<sub>2</sub> 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<sub>x</sub> 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<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> 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 686 MMBtu in any day and 35,000 MMBtu/qtr, or 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-1346-6-2

EXPIRATION DATE: 07/31/2008

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.

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272

S-1346-6-2: Jul 14 2009 1:59PM - OGDENA

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-1346-7-2

EXPIRATION DATE: 07/31/2008

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.

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272

S-1346-7-2: Jul 14 2009 1:59PM - OGOENA

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-1346-8-2

EXPIRATION DATE: 07/31/2008

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.

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272

S-1346-8-2: Jul 14 2009 1:59PM - OGDENA

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-1346-12-3

EXPIRATION DATE: 07/31/2008

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 and 40 CFR part 64] 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 and 40 CFR part 64] 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-1346-13-2

EXPIRATION DATE: 07/31/2008

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.

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-1346-14-5

EXPIRATION DATE: 07/31/2008

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<sub>x</sub> (as SO<sub>2</sub>): 0.0006 lb/MMBTU, NO<sub>x</sub> (as NO<sub>2</sub>): 1.7 ppmv at stack conditions (0.04 lb-NO<sub>x</sub>/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<sub>x</sub> 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 O<sub>2</sub> 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<sub>x</sub>, CO, and O<sub>2</sub> 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<sub>x</sub> or CO concentrations corrected to 19% O<sub>2</sub>, 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<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 19% O<sub>2</sub> (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. PM<sub>10</sub> 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 PM<sub>10</sub>, NO<sub>x</sub> 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: PM<sub>10</sub> (lb/ton) - CARB 501 in combination with CARB 5 or EPA Method 8, NO<sub>x</sub> (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<sub>x</sub> 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-1346-15-1

EXPIRATION DATE: 07/31/2008

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-1346-16-1

EXPIRATION DATE: 07/31/2008

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-1346-17-1

EXPIRATION DATE: 07/31/2008

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-1346-18-2

EXPIRATION DATE: 07/31/2008

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% CO<sub>2</sub>, 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 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
4. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. 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
6. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
7. 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
8. 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
9. 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.

10. 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
11. 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
12. 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
13. 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
14. 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
15. Emissions from this boiler shall not exceed any of the following limits: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.0006 lb/MMBtu, NOx (as NO2): 9 ppmv @ 3% O2 (equivalent to 0.011 lb NOx/MMBtu), VOC: 0.0056 lb/MMBtu or CO: 100 ppmv @ 3% O2 (equivalent to 0.074 lb CO/MMBtu). [District NSR Rule] Federally Enforceable Through Title V Permit
16. 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, 4305, 6.3.1 and 4351, 6.3] Federally Enforceable Through Title V Permit
17. 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 4305, 6.3.1 and 4351, 6.3] 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 and 4305, 6.2] Federally Enforceable Through Title V Permit
19. 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
20. 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
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. The permittee shall monitor and record the stack concentration of NOx (as NO2), CO, and O2 at least once every month 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 five days of restarting the unit unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4305, 5.4.2] 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. If the NOX and/or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of: (1) the date and time of NOX, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NOX and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
25. For emissions monitoring pursuant to Sections 5.4.2, 5.4.2.1, and 6.3.1 of District Rule 4305, (amended August 21, 2003) and District Rule 4306 (amended September 18, 2003), using a portable NOx 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. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.4] 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-1346-19-2

EXPIRATION DATE: 07/31/2008

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% CO<sub>2</sub>, 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 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
4. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. 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
6. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rule 4305, 8.1 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
7. 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
8. 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
9. 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.

10. 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
11. 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
12. 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
13. 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
14. 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
15. Emissions from this boiler shall not exceed any of the following limits: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.0006 lb/MMBtu, NOx (as NO2): 9 ppmv @ 3% O2 (equivalent to 0.011 lb NOx/MMBtu), VOC: 0.0056 lb/MMBtu or CO: 100 ppmv @ 3% O2 (equivalent to 0.074 lb CO/MMBtu). [District NSR Rule] Federally Enforceable Through Title V Permit
16. 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, 4305, 6.3.1 and 4351, 6.3] Federally Enforceable Through Title V Permit
17. 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 4305, 6.3.1 and 4351, 6.3] 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 and 4305, 6.2] 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. The permittee shall monitor and record the stack concentration of NOx (as NO2), CO, and O2 at least once every month 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. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4305, 5.4.2] 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. If the NOX and/or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of: (1) the date and time of NOX, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NOX and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4305, 5.4.2] Federally Enforceable Through Title V Permit
25. For emissions monitoring pursuant to Sections 5.4.2, 5.4.2.1, and 6.3.1 of District Rule 4305, (amended August 21, 2003) and District Rule 4306 (amended September 18, 2003), using a portable NOx 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. [District Rules 2520, 9.3.2, 4305 and 4306, 5.5.4] 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-1346-20-2

EXPIRATION DATE: 07/31/2008

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-1346-21-2

EXPIRATION DATE: 07/31/2008

**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-1346-22-2

EXPIRATION DATE: 07/31/2008

**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-1346-23-2

EXPIRATION DATE: 07/31/2008

**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.

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272



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-1346-24-1

EXPIRATION DATE: 07/31/2008

## 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] 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.

Facility Name: CALIFORNIA DAIRIES, INC.

Location: 11894 AVENUE 120, TIPTON, CA 93272

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% O<sub>2</sub>. [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 SOLONO<sub>x</sub> system for NO<sub>x</sub> control. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Annual emission rates from turbine exhaust shall not exceed the following: PM<sub>10</sub>: 17,108 lb/yr; NO<sub>x</sub> (as NO<sub>2</sub>): 8,008 lb/yr; SO<sub>x</sub> (as SO<sub>2</sub>): 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: PM<sub>10</sub>: 0.021 lb/MMBtu; NO<sub>x</sub> (as NO<sub>2</sub>): 2.5 ppmv @ 15% O<sub>2</sub>; SO<sub>x</sub> (as SO<sub>2</sub>): 0.00285 lb/MMBtu; VOC: 2.0 ppmv @ 15% O<sub>2</sub>; and CO: 6.0 ppmv @ 15% O<sub>2</sub> with the exception of startup and shutdown periods not to exceed 2 hours in duration. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Total startup and shutdown emissions from turbine exhaust shall not exceed any of the following: PM<sub>10</sub>: 0 lb/day; NO<sub>x</sub> (as NO<sub>2</sub>): 3.3 lb/day; SO<sub>x</sub> (as SO<sub>2</sub>): 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<sub>x</sub> (as NO<sub>2</sub>), CO, and O<sub>2</sub> weekly. If compliance with NO<sub>x</sub> 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 Rule 2201] Federally Enforceable Through Title V Permit
20. If the NO<sub>x</sub> 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<sub>x</sub> 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] 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<sub>x</sub> (as NO<sub>2</sub>), 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<sub>x</sub> (as NO<sub>2</sub>), 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<sub>x</sub>: EPA Method 7E or 20; PM<sub>10</sub>: EPA method 5 (front half and back half); CO: EPA method 10 or 10B; VOC: EPA method 18; O<sub>2</sub>: 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<sub>x</sub>, CO, and O<sub>2</sub> measurements, the measured NO<sub>2</sub> and CO concentrations corrected to 15% O<sub>2</sub>, and the O<sub>2</sub> concentration. The records shall also include a description of any corrective action taken to maintain the emissions in the acceptable range. [District Rule 1070] 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] 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

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

CALIFORNIA DAIRIES, INC  
11894 AVENUE 120  
MILPION, CA 95772

FAC # S-1346  
STATUS A  
TELEPHONE (569)625-2200

TYPE 2 TOXICID  
TUESDAY  
EXPIRE ON 07/31/2009  
AREA 2214  
INSR DATE 05/10

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-1346-1-7	21,000 KBTU/hr boiler	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 S.T. JOHNSON CO. ULTRA-LOW-NOX BURNER MODEL RX500F AND FLUE GAS RECIRCULATION (DORMANT EMISSIONS UNIT)
S-1346-2-4	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-1346-3-7	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-1346-4-7	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-1346-6-2	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-1346-7-2	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-1346-8-2	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-1346-12-3	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-1346-13-2	240 bhp IC engine	3020-10 C	1	240.00	240.00	A	240 BHP CUMMINS MODEL 6CT118.3F1 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP
S-1346-14-5	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-1346-15-1	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-1346-16-1	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-1346-17-1	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-1346-18-2	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-1346-19-2	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-1346-20-2	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-1346-21-2	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-1346-22-2	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-1346-23-2	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-1346-24-1	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

---

# ATTACHMENT D

EPA Comments and District Response

---



**EPA Comment:**

Hi Andrea,

I only had time for quick review of the proposed permit, and I have only one comment. Typically, an Environmental Compliance Manger does not qualify as a Responsible Official under Title V.

I've provided the relevant portion of the part 70 regulation below. The key is that the RO either needs to be some high level person from the corporation responsible for a "principal business function" (which compliance managers are not); OR a duly authorized representative of such person (i.e. the one described in 1 or 2 below) if this delegated person is responsible for "overall operation" of a manufacturing, production or operating facility AND they meet the requirements of 3(i or ii). Again, a compliance manger is not typically responsible for "overall operation," and thus typically does not qualify.

Prior to issuing the final Title V permit for this facility, please verify that the identified responsible official qualifies to serve in such capacity, pursuant to the Part 70 definition. If the person currently identified does not meet these requirements, please revise the permit to identify the proper person, and have the proper person sign a new certificate of compliance that was submitted with the renewal application. I do not believe that such a revision will require a new public notice period. Please feel free to call me if you have any questions.

Part 70.2 states that the actual Responsible Official for a corporation must be :

- 1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, OR
- 2) any other person who performs similar policy or decision-making functions for the corporation, OR
- 3) a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit AND either:

(i) The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or

(ii) The delegation of authority to such representatives is approved in advance by the permitting authority;

Laura Yannayon

\*\*\*\*\*

US EPA, Region 9 / Air Division, Permits Office (Air-3) / 75 Hawthorne St. / San Francisco, CA 94105-3901  
yannayon.laura@epa.gov / (415) 972-3534 / (415) 947-3579 (fax)

**District Response:**

Responsible Official was changed to Ronald Thompson, VP Regulatory and Quality Assurance.