



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



NOV 10 2011

Gerardo C. Rios, Chief
Permits Office
Air Division
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

**Re: Final - Authority to Construct / Certificate of Conformity (Minor Mod)
Project # S-1113891**

Dear Mr. Rios:

The Air Pollution Control Officer has issued an Authority to Construct (ATC S-1346-4-11) with a Certificate of Conformity to California Dairies Inc. California Dairies proposed to replace the Rodgers powder milk dryer's existing 30 MMBtu/hr "Maxon" burner with a 30 MMBtu/hr "Maxon Crossfire" low NOx burner.

Enclosed are copies of the Authority to Construct. The application and proposal were sent to US EPA Region IX on September 30, 2011. No comments were received following the District's preliminary decision on this project.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,



David Warner
Director of Permit Services

Enclosures
sdd

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
www.valleyair.org www.healthyairliving.com

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



NOV 10 2011

Mr. Sy Dang Lee
California Dairies Inc
PO Box 387
Tipton, CA

**Re: Final - Authority to Construct / Certificate of Conformity (Minor Mod)
Project # S-1113891**

Dear Mr. Lee:

The Air Pollution Control Officer has issued an Authority to Construct (ATC S-1346-4-11) with a Certificate of Conformity to California Dairies Inc. California Dairies proposed to replace the Rodgers powder milk dryer's existing 30 MMBtu/hr "Maxon" burner with a 30 MMBtu/hr "Maxon Crossfire" low NOx burner.

Enclosed is the Authority to Construct and invoice. The application and proposal were sent to US EPA Region IX on September 30, 2011. No comments were received following the District's preliminary decision on this project.

Prior to operating with modifications authorized by the Authority to Construct, you must submit an application to modify the Title V permit as an administrative amendment in accordance with District Rule 2520, Section 11.5.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,



David Warner
Director of Permit Services

Enclosures
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Tel: 661-392-5500 FAX: 661-392-5585



AUTHORITY TO CONSTRUCT

PERMIT NO: S-1346-4-11

ISSUANCE DATE: 11/07/2011

LEGAL OWNER OR OPERATOR: CALIFORNIA DAIRIES, INC.

MAILING ADDRESS: 2000 N PLAZA DR
VISALIA, CA 93291-9258

LOCATION: 11894 AVENUE 120
TIPTON, CA 93272

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

EQUIPMENT DESCRIPTION:

MODIFICATION OF 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. REPLACE THE 30 MMBTU/HR "MAXON" LOW-NOX BURNER WITH A 30 MMBTU/HR "MAXON CROSSFIRE" LOW-NOX BURNER

CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. Dryer shall be fired on PUC-quality natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emission rates shall not exceed any of the following limits: SO_x (as SO₂): 0.001 lb/MMBTU, NO_x (as NO₂): 3.7 ppmv at stack conditions, VOC: 0.003 lb/MMBTU or CO: 30 ppmv at stack conditions. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
6. Emissions for NO_x and CO shall be uncorrected if the measured oxygen exhaust concentration exceeds 19.0% by volume or shall be corrected to 19.0% by volume for units operating at measured O₂ concentrations of 19.0 % by volume or less. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

DAVID WARNER, Director of Permit Services

S-1346-4-11 Nov 7 2011 3 08PM - DAVIDSOS : Joint Inspection Required with DAVIDSOS

7. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit
8. If either the NO_x or CO concentrations as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 2520 and 4309] Federally Enforceable Through Title V Permit
9. 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
10. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations (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
11. 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
12. 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
13. PM₁₀ emissions from the CE Rogers dryer baghouse shall not exceed 0.182 lb/ton of powder processed. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
14. Process weight rate shall not exceed 150 tons/day of powder. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
15. Fuel usage shall not exceed 686 MMBtu in any day and 35,000 MMBtu/qtr, or 140,000 MMBtu in a year. [District Rule 2201] Federally Enforceable Through Title V Permit
16. 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
17. District witnessed source testing to measure NO_x and CO emissions shall be conducted within 60 days of start up. [District Rules 1081, 7.2, 2201, and 4309] Federally Enforceable Through Title V Permit
18. District witnessed source testing to measure PM₁₀, NO_x and CO emissions shall be conducted every 24 months. [District Rules 1081, 7.2, 2201, and 4309] Federally Enforceable Through Title V Permit
19. 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

CONDITIONS CONTINUE ON NEXT PAGE

20. 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 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
22. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
23. 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
24. 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
25. 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
26. 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
27. 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
28. 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
29. 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
30. 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



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

Due Date
1/6/2012

Amount Due
\$ 499.50

Amount Enclosed

ATCFEE S1113891
1346 S97095 11/7/2011

RETURN THIS TOP PORTION ONLY, WITH REMITTANCE TO:

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

SJVAPCD
34946 Flyover Court
Bakersfield, CA 93308

Thank You!



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

SJVAPCD Tax ID: 77-0262563

CALIFORNIA DAIRIES, INC.
11894 AVENUE 120
TIPTON, CA 93272

Facility ID
S1346

Invoice Date
11/7/2011

Invoice Number
S97095

Invoice Type
Project: S1113891

PROJECT NUMBER: 1113891

APPLICATION FILING FEES	\$ 71.00
ENGINEERING TIME FEES	\$ 499.50
TOTAL FEES	\$ 570.50
LESS PREVIOUSLY PAID PROJECT FEES APPLIED TO THIS INVOICE	(\$ 71.00)
PROJECT FEES DUE (Enclosed is a detailed statement outlining the fees for each item.)	\$ 499.50

Late Payment (see Rule 3010, Section 11.0 Late Fees)	
Postmarked	Total Due
After 1/6/2012 through 1/16/2012	\$ 549.45
After 1/16/2012	\$ 749.25
After 2/5/2012	Permits To Operate MAY BE SUSPENDED

San Joaquin Valley Air Pollution Control District
34946 Flyover Court, Bakersfield, CA 93308, (661) 392-5500, Fax (661) 392-5585

Invoice Detail

Facility ID: S1346

CALIFORNIA DAIRIES, INC.
11894 AVENUE 120
TIPTON, CA 93272Invoice Nbr: S97095
Invoice Date: 11/7/2011
Page: 1**Application Filing Fees**

Project Nbr	Permit Number	Description	Application Fee
S1113891	S-1346-4-11	MODIFICATION OF 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: REPLACE THE 30 MMBTU/HR "MAXON" LOW-NOX BURNER WITH A 30 MMBTU/HR "MAXON CROSSFIRE" LOW-NOX BURNER	\$ 71.00
Total Application Filing Fees:			\$ 71.00

Engineering Time Fees

Project Nbr	Quantity	Rate	Description	Fee
S1113891	1.5 hours	\$ 147.00 /h	After-Hours Engineering Time(OverTime)	\$ 220.50
			Less Credit For Application Filing Fees	(\$ 71.00)
			After-Hours Engineering Time(OverTime) SubTotal	\$ 149.50
S1113891	3.5 hours	\$ 100.00 /h	Standard Engineering Time	\$ 350.00
Total Engineering Time Fees:				\$ 499.50