



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



DEC 16 2013

Sean Cove
Trilogy Dairy, LP
15857 Bear Mountain Blvd
Bakersfield, CA 93311

RE: Notice of Final Action - Authority to Construct
Facility Number: S-4835
Project Number: S-1120174

Dear Mr. Cove:

The Air Pollution Control Officer has issued the Authority to Construct permits to Trilogy Dairy, LP for modifying its herd makeup to house all mature cows (4,570 milk cows, 1,356 dry cows, and 50 mature bulls), at 17661 Bear Mountain Blvd, Bakersfield. Enclosed are the Authority to Construct permits and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permits was published on October 22, 2013 in Bakersfield Californian. The District's analysis of the proposal was also sent to CARB on October 17, 2013. No comments were received following the District's preliminary decision on this project.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 60 days.

Sayed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95358-8718
Tel: (209) 557-8400 FAX: (209) 557-8475

Central Region (Main Office)
1980 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

Mr. Sean Cove
Page 2

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney at (559) 230-6000.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Warner', with a long horizontal flourish extending to the right.

David Warner
Director of Permit Services

DW:KS

Enclosures

cc: Mike Tollstrup, CARB (w/enclosure) via email



AUTHORITY TO CONSTRUCT

PERMIT NO: S-4835-1-3

ISSUANCE DATE: 12/10/2013

LEGAL OWNER OR OPERATOR: TRILOGY DAIRY LP
MAILING ADDRESS: 15857 BEAR MOUNTAIN BLVD
BAKERSFIELD, CA 93311

LOCATION: 17661 BEAR MOUNTAIN BLVD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

MODIFICATION OF 3,200 COW MILKING OPERATION WITH 100 STALL PARALLEL MILKING PARLOR AND 12 STALL HOSPITAL MILKING PARLOR: INCREASE MILK COWS TO 4570.

CONDITIONS

1. If a licensed veterinarian or a certified nutritionist determines that any VOC mitigation measure will be required to be suspended as a detriment to animal health or necessary for the animal to molt, the owners/operators must notify the District in writing within forty-eight (48) hours of the determination including the duration and the specific health condition requiring the mitigation measure to be suspended. If the situation is expected to exist longer than a thirty-day (30) period, the owner/operator shall submit a new emission mitigation plan designating a mitigation measure to be implemented in lieu of the suspended mitigation measure. [District Rule 4570]
2. Permittee shall flush or hose milk parlor immediately prior to, immediately after, or during each milking. [District Rule 4570]
3. Permittee shall provide verification that milk parlors are flushed or hosed prior to, immediately after, or during each milking. [District Rule 4570]
4. Permittee shall keep and maintain all records for a minimum of five (5) years and shall make records available to the APCO and EPA upon request. [District Rule 4570]
5. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]

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-4835-1-3; Dec 10 2013 9:02AM - SRANK : Joint Inspection NOT Required



AUTHORITY TO CONSTRUCT

PERMIT NO: S-4835-2-4

ISSUANCE DATE: 12/10/2013

LEGAL OWNER OR OPERATOR: TRILOGY DAIRY LP
MAILING ADDRESS: 15857 BEAR MOUNTAIN BLVD
BAKERSFIELD, CA 93311

LOCATION: 17661 BEAR MOUNTAIN BLVD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

MODIFICATION OF COW HOUSING 3,200 MILK COWS NOT TO EXCEED 3,680 MATURE COWS (MILK AND DRY COWS): 2,400 TOTAL SUPPORT STOCK (HEIFERS, CALVES AND BULLS): 4570 MILK COWS AND 1356 DRY COWS WITH NO SUPPORT STOCK.

CONDITIONS

1. If a licensed veterinarian or a certified nutritionist determines that any VOC mitigation measure will be required to be suspended as a detriment to animal health or necessary for the animal to molt, the owners/operators must notify the District in writing within forty-eight (48) hours of the determination including the duration and the specific health condition requiring the mitigation measure to be suspended. If the situation is expected to exist longer than a thirty-day (30) period, the owner/operator shall submit a new emission mitigation plan designating a mitigation measure to be implemented in lieu of the suspended mitigation measure. [District Rule 4570]
2. Permittee shall pave feedlanes, where present, for a width of at least 8 feet along the corral side of the feedlane fence for milk and dry cows and at least 6 feet along the corral side of the feedlane for heifers. [District Rule 4570]
3. Permittee shall flush, scrape or vacuum freestall lanes immediately prior to, immediately after or during each milking. [District Rule 4570]
4. Permittee shall maintain records sufficient to demonstrate that freestall lanes are flushed, scraped or vacuumed immediately prior to, immediately after or during each milking. [District Rule 4570]
5. Permittee shall remove manure that is not dry from individual cow freestall beds or rake, harrow, scrape, or grade freestall bedding at least once every seven (7) days. [District Rule 4570]
6. Permittee shall record the date that manure that is not dry is removed from individual cow freestall beds or raked, harrowed, scraped, or freestall bedding is graded at least once every seven (7) days. [District Rule 4570]

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-4835-2-4: Dec 10 2013 9:02AM - SRANK : Joint Inspection NOT Required

7. Permittee shall inspect water pipes and troughs and repair leaks at least once every seven (7) days. [District Rule 4570]
8. Permittee shall maintain records demonstrating that water pipes and troughs are inspected and leaks are repaired at least once every seven (7) days. [District Rule 4570]
9. Permittee shall clean manure from corrals at least four (4) times per year with at least sixty (60) days between each cleaning, or permittee shall clean corrals at least once between April and July and at least once between September and December. [District Rule 4570]
10. Permittee shall demonstrate that manure from corrals are cleaned at least four (4) times per year with at least sixty (60) days between each cleaning or demonstrate that corrals are cleaned at least once between April and July and at least once between September and December. [District Rule 4570]
11. Permittee shall implement at least one of the following corral mitigation measures: 1) slope the surface of the corrals at least 3% where the available space for each animal is 400 square feet or less and shall slope the surface of the corrals at least 1.5% where the available space for each animal is more than 400 square feet per animal; 2) maintain corrals to ensure proper drainage preventing water from standing more than forty-eight hours; or 3) harrow, rake, or scrape pens sufficiently to maintain a dry surface except during periods of rainy weather. [District Rule 4570]
12. Permittee shall either 1) maintain sufficient records to demonstrate that corrals are maintained to ensure proper drainage preventing water from standing for more than forty-eight hours or 2) maintain records of dates pens are groomed (i.e., harrowed, raked, or scraped, etc.). [District Rule 4570]
13. Permittee shall scrape, vacuum or flush concrete lanes in corrals at least once every day for mature cows and every seven (7) days for support stock. [District Rule 4570]
14. Permittee shall maintain records demonstrating that concrete lanes in corrals are scraped, vacuumed, or flushed at least once every day for mature cows and at least once every seven (7) days for support stock. [District Rule 4570]
15. Shade structures shall be installed in any of the following ways: 1) constructed with a light permeable roofing material; 2) uphill of any slope in the corral; 3) installed so that the structure has a North/South orientation. OR Permittee shall clean manure from under corral shades at least once every fourteen (14) days, when weather permits access into the corral. [District Rule 4570]
16. Permittee shall manage corrals such that the manure depth in the corral does not exceed twelve (12) inches at any time or point, except for in-corral mounding. Manure depth may exceed 12 inches when corrals become inaccessible due to rain events. However, permittee must resume management of the manure depth of 12 inches or lower immediately upon the corral becoming accessible. [District Rule 4570]
17. Permittee shall measure and document the depth of manure in the corrals at least once every ninety (90) days. [District Rule 4570]
18. The freestall lanes at this dairy shall be flushed at least four times per day. [District Rule 2201]
19. Permittee shall maintain an operating plan that requires the freestall lanes to be flushed at least four times per day. [District Rule 2201]
20. Permittee shall maintain records sufficient to demonstrate that freestall lanes are flushed at least four times per day. [District Rule 2201]
21. All animals at this dairy shall be fed in accordance with the National Research Council (NRC) guidelines utilizing routine dairy nutritionist analyses of rations. [District Rule 2201]
22. Permittee shall maintain records of feed content, formulation, and quantity of feed additive utilized, to demonstrate compliance with National Research Council (NRC) guidelines. Records such as feed company guaranteed analyses (feed tags), ration sheets, or feed purchase records may be used to meet this requirement. [District Rule 2201]
23. The total number of Cattle housed at this dairy at any one time shall not exceed any of the following: 4,570 milk cows (3,850 in freestalls and 720 in flushed corrals); 1,356 dry cows in flushed corrals; and 50 mature bulls. [District Rule 2201]
24. Permittee shall maintain a record of the number of animals of each production group housed at this dairy and shall maintain quarterly records of any changes to this information. Such records may include DHIA monthly records, milk production invoices, ration sheets or periodic inventory records [District Rules 2201 and 4570]

CONDITIONS CONTINUE ON NEXT PAGE

25. Permittee shall keep and maintain all records for a minimum of five (5) years and shall make records available to the APCO and EPA upon request. [District Rule 4570]
26. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-4835-3-4

ISSUANCE DATE: 12/10/2013

LEGAL OWNER OR OPERATOR: TRILOGY DAIRY LP
MAILING ADDRESS: 15857 BEAR MOUNTAIN BLVD
BAKERSFIELD, CA 93311

LOCATION: 17661 BEAR MOUNTAIN BLVD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

MODIFICATION OF LIQUID MANURE HANDLING SYSTEM CONSISTING OF TWO MECHANICAL SEPARATOR AND 2 STORAGE PONDS CONTROLLED BY AERATORS: MANURE IS LAND APPLIED THROUGH FLOOD IRRIGATION: ALLOW AN INCREASE IN MANURE FROM THE MODIFIED HERD NUMBERS.

CONDITIONS

1. If a licensed veterinarian or a certified nutritionist determines that any VOC mitigation measure will be required to be suspended as a detriment to animal health or necessary for the animal to molt, the owners/operators must notify the District in writing within forty-eight (48) hours of the determination including the duration and the specific health condition requiring the mitigation measure to be suspended. If the situation is expected to exist longer than a thirty-day (30) period, the owner/operator shall submit a new emission mitigation plan designating a mitigation measure to be implemented in lieu of the suspended mitigation measure. [District Rule 4570]
2. Permittee shall remove solids with a solid separator system, prior to the manure entering the lagoon. [District Rules 2201 and 4570]
3. Permittee shall not allow liquid manure to stand in the fields for more than twenty-four (24) hours after irrigation. [District Rule 4570]
4. Permittee shall maintain records to demonstrate liquid manure did not stand in the fields for more than twenty-four (24) hours after irrigation. [District Rule 4570]
5. Permittee shall keep and maintain all records for a minimum of five (5) years and shall make records available to the APCO and EPA upon request. [District Rule 4570]
6. The liquid manure handling system shall handle flush manure from no more than 4,570 milk cows; 1,356 dry cows; and 50 mature bulls. [District Rule 2201]

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-4835-3-4, Dec 10 2013 10:02AM - SRANK - Permit Inspection NOT Required

7. Liquid manure used for irrigation of cropland shall only be taken from the storage pond/secondary lagoon after treatment in the primary lagoon. [District Rule 2201]
8. One of the storage ponds shall be operated as "Anaerobic Treatment Lagoon" conforming to NRCS Guideline No. 359. The minimum treatment volume of this lagoon shall be maintained at 2,655,936 ft³. [District Rule 2201]
9. Permittee shall maintain design specifications, calculations, including Minimum Treatment Volume (MTV), Hydraulic Retention Time (HRT) demonstrating that the anaerobic treatment lagoon meets the requirements listed in the NRCS Field Office Technical Guide Code 359. [District Rule 2201]
10. Installation of an anaerobic digester may be required for this operation contingent upon the final Dairy BACT Guideline. If the final Dairy BACT Guideline requires the installation of an anaerobic digester for this operation, the permittee shall install the system in accordance with the timeframes and procedures established by the APCO. [District Rule 2201]
11. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency: [Public Resources Code 21000-21177: California Environmental Quality Act]



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

Due Date

2/10/2014

Amount Due

\$ 7,889.80

Amount Enclosed

ATCFEE S1120174
4835 S111045 12/10/2013

RETURN THIS TOP PORTION ONLY, WITH REMITTANCE TO:

TRILOGY DAIRY LP
15857 BEAR MOUNTAIN BLVD
BAKERSFIELD, CA 93311

SJVAPCD
34946 Flyover Court
Bakersfield, CA 93308

Thank You!



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

SJVAPCD Tax ID: 77-0262563

TRILOGY DAIRY LP
17661 BEAR MOUNTAIN BLVD
BAKERSFIELD, CA 93311

Facility ID

S4835

Invoice Date

12/10/2013

Invoice Number

S111045

Invoice Type

Project: S1120174

PROJECT NUMBER: 1120174

APPLICATION FILING FEES	\$ 213.00
ENGINEERING TIME FEES	\$ 7,768.80
MISCELLANEOUS PROJECT FEES	\$ 50.00
TOTAL FEES	\$ 8,031.80
LESS PREVIOUSLY PAID PROJECT FEES APPLIED TO THIS INVOICE	(\$ 142.00)
PROJECT FEES DUE (Enclosed is a detailed statement outlining the fees for each item.)	\$ 7,889.80

Late Payment (see Rule 3010, Section 11.0 Late Fees)

Postmarked

Total Due

After 2/10/2014 through 2/20/2014

\$ 8,678.78

After 2/20/2014

\$ 11,834.70

After 3/12/2014

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: S4835

TRILOGY DAIRY LP
 17661 BEAR MOUNTAIN BLVD
 BAKERSFIELD, CA 93311

Invoice Nbr: S111045
 Invoice Date: 12/10/2013
 Page: 1

Application Filing Fees

Project Nbr	Permit Number	Description	Application Fee
S1120174	S-4835-1-3	MODIFICATION OF 3,200 COW MILKING OPERATION WITH 100 STALL PARALLEL MILKING PARLOR AND 12 STALL HOSPITAL MILKING PARLOR: INCREASE MILK COWS TO 4570.	\$ 71.00
S1120174	S-4835-2-4	MODIFICATION OF COW HOUSING 3,200 MILK COWS NOT TO EXCEED 3,680 MATURE COWS (MILK AND DRY COWS): 2,400 TOTAL SUPPORT STOCK (HEIFERS, CALVES AND BULLS): 4570 MILK COWS AND 1356 DRY COWS WITH NO SUPPORT STOCK.	\$ 71.00
S1120174	S-4835-3-4	MODIFICATION OF LIQUID MANURE HANDLING SYSTEM CONSISTING OF TWO MECHANICAL SEPARATOR AND 2 STORAGE PONDS CONTROLLED BY AERATORS: MANURE IS LAND APPLIED THROUGH FLOOD IRRIGATION: ALLOW AN INCREASE IN MANURE FROM THE MODIFIED HERD NUMBERS.	\$ 71.00

Total Application Filing Fees: \$ 213.00

Engineering Time Fees

Project Nbr	Quantity	Rate	Description	Fee
S1120174	75.3 hours	\$ 106.00 /h	Standard Engineering Time	\$ 7,981.80
			Less Credit For Application Filing Fees	(\$ 213.00)
			Standard Engineering Time SubTotal	\$ 7,768.80

Total Engineering Time Fees: \$ 7,768.80

Miscellaneous Project Fees

Project Nbr	Description	Fee
S1120174	CEQA Notice filing fee	\$ 50.00

Total Miscellaneous Project Fees: \$ 50.00