



JAN 09 2013

Jack de Jong  
River Ranch Dairy  
6127 Jackson Ave  
Hanford, CA 93230

**RE: Notice of Final Action - Authority to Construct**  
**Project Number: C-1100385**

Dear Mr. de Jong:

The Air Pollution Control Officer has issued Authority to Construct permits to River Ranch Dairy to consolidate River Ranch Dairy (C-5524) and River Ranch Farms (C-7310) into a single dairy operation and expand the consolidated dairy herd by 609 milk cows and 1,928 support stock, at 6127 Jackson Avenue in Hanford.

Enclosed are copies of 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 revised preliminary decision to issue this Authority to Construct was published on December 6, 2012. The District's revised analysis of the proposal was also sent to CARB on December 3, 2012. No comments were received following the District's revised 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.

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

Sincerely,

David Warner  
Director of Permit Services

DW:jka

Enclosures

**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



**JAN 09 2013**

Mike Tollstrup, Chief  
Project Assessment Branch  
Stationary Source Division  
California Air Resources Board  
PO Box 2815  
Sacramento, CA 95812-2815

**RE: Notice of Final Action - Authority to Construct**  
**Project Number: C-1100385**

Dear Mr. Tollstrup:

The Air Pollution Control Officer has issued Authority to Construct permits to River Ranch Dairy to consolidate River Ranch Dairy (C-5524) and River Ranch Farms (C-7310) into a single dairy operation and expand the consolidated dairy herd by 609 milk cows and 1,928 support stock, at 6127 Jackson Avenue in Hanford.

Enclosed are copies of 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 revised preliminary decision to issue this Authority to Construct was published on December 6, 2012. The District's revised analysis of the proposal was also sent to CARB on December 3, 2012. No comments were received following the District's revised preliminary decision on this project.

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

Sincerely,

David Warner  
Director of Permit Services

DW:jka

Enclosures

**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

**NOTICE OF FINAL ACTION  
FOR THE ISSUANCE OF AUTHORITY  
TO CONSTRUCT PERMITS**

NOTICE IS HEREBY GIVEN that the Air Pollution Control Officer has issued Authority to Construct permits to River Ranch Dairy to consolidate River Ranch Dairy (C-5524) and River Ranch Farms (C-7310) into a single dairy operation and expand the consolidated dairy herd by 609 milk cows and 1,928 support stock, at 6127 Jackson Avenue in Hanford.

No comments were received following the District's revised preliminary decision on this project.

The application review for Project #C-1100385 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 SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726 .



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** C-5524-1-2

**ISSUANCE DATE:** 01/07/2013

**LEGAL OWNER OR OPERATOR:** RIVER RANCH DAIRY  
**MAILING ADDRESS:** 6127 JACKSON AVE  
HANFORD, CA 93230

**LOCATION:** 6127 JACKSON AVE  
HANFORD, CA 93230

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 1,525 COW MILKING OPERATION WITH ONE DOUBLE 23 STALL (46 STALLS) HERRINGBONE MILK PARLOR; INCREASE NUMBER OF MILK COWS BY 188; IMPLEMENT RULE 4570 PHASE II MITIGATION MEASURES

### CONDITIONS

1. 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 1070]
2. 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 1070]
3. 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]
4. Permittee shall flush or hose milk parlor immediately prior to, immediately after, or during each milking. [District Rules 2201 and 4570]
5. Permittee shall provide verification that milk parlors are flushed or hosed prior to, immediately after, or during each milking. [District Rules 2201 and 4570]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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**  
C-5524-1-2; Jan 7 2013 4:28PM - AIYABEJ : Joint Inspection Required with AIYABEJ

6. 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 Rules 2201 and 4570]
7. 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:** C-5524-2-3

**ISSUANCE DATE:** 01/07/2013

**LEGAL OWNER OR OPERATOR:** RIVER RANCH DAIRY  
**MAILING ADDRESS:** 6127 JACKSON AVE  
HANFORD, CA 93230

**LOCATION:** 6127 JACKSON AVE  
HANFORD, CA 93230

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF COW HOUSING - 1,525 MILK COWS, 200 DRY COWS, 1,500 LARGE HEIFERS (15-24 MONTHS), 1,000 MEDIUM HEIFERS (7-14 MONTHS), 500 SMALL HEIFERS (4-6 MONTHS), 1,000 CALVES (UNDER 3 MONTHS), AND 50 BULLS INCLUDING SPECIAL NEEDS HOUSING AND CALF HOUSING; INCREASE HERD BY 188 MILK COWS, 176 DRY COWS, AND 234 LARGE HEIFERS; DECREASE BY 1,000 MEDIUM HEIFERS, 164 SMALL HEIFERS, 1,000 CALVES AND 15 MATURE BULLS; IMPLEMENT RULE 4570 PHASE II MITIGATION MEASURES

### CONDITIONS

1. 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 1070]
2. 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 1070]
3. 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]
4. The total number of cattle for this permit unit shall not exceed any of the following limits: 1,713 milk cows, not to exceed a combined total of 2,089 mature cows (milk and dry cows); and 2,105 total support stock (heifers, calves and bulls). [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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  
C-5524-2-3, Jan 7 2013 4:28PM - AIYABEU : Joint Inspection Required with AIYABEU

5. 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 Rules 2201 and 4570]
6. The feed lanes and walkways for milk cows and dry cows at this dairy shall be flushed at least four times per day. The feed lanes and walkways in the corrals for the heifers shall be flushed at least two times per day. [District Rules 2201 and 4570]
7. Permittee shall use non-manure-based bedding and non-separated solids based bedding for at least 90% of the bedding material, by weight, for freestalls (e.g. rubber mats, almond shells, sand, or waterbeds). [District Rule 4570]
8. 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]
9. 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]
10. Permittee shall clean concreted lanes such that the depth of manure does not exceed twelve (12) inches at any point or time. [District Rule 4570]
11. Permittee shall measure and document the depth of manure on the concrete lanes at least once every ninety (90) days. [District Rule 4570]
12. Calf housing shall consist of aboveground hutches with manure removal by flushing. [District Rule 2201]
13. Open corrals for mature cows shall be equipped with shade structures. Shade structures shall be installed in a North/South orientation. [District Rules 2201 and 4570]
14. Permittee shall 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. [District Rules 2201 and 4570]
15. Permittee shall maintain records to demonstrate that the surfaces of the corrals are sloped properly. [District Rules 2201 and 4570]
16. Corrals and exercise pens shall be scraped weekly using a pull-type scraper in the morning hours, except when this is prevented by wet conditions. [District Rule 2201]
17. 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]
18. 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]
19. Corral fencelines shall be inspected weekly to remove any ridges or build-up of manure that form under them. Manure buildup under fencelines shall not exceed twelve (12) inches at any time or point, except when accessibility is limited due to rain events. Records of fenceline inspection and fence line manure build-up removal shall be maintained. [District Rules 1070, 2201 and 4570]
20. Inspection for potholes and other sources of emissions shall be done on a monthly basis. [District Rule 2201]
21. Firm, stable, soil that is not easily eroded shall be used for the corral and exercise pen surfaces. A supply of fill soil shall be kept on site in order to fill areas where erosion and gouging occurs. [District Rule 2201]
22. Clean rainfall runoff shall be diverted around corrals and exercise pens to reduce the amount of water that is potentially detained on the corral and exercise pen surfaces. [District Rule 2201]
23. The permittee shall maintain all water systems such as pipes, troughs and misters in proper operating condition. Inspection of such water systems shall be conducted at least once every 7 days. Any broken or malfunctioning water systems shall be repaired or replaced promptly. Holes and wallows near watering troughs and feeding areas shall be filled in promptly. [District Rules 2201 and 4570]

CONDITIONS CONTINUE ON NEXT PAGE

24. The permittee shall maintain records to demonstrate that water systems such as pipes, troughs and misters are inspected, repaired, or replaced. [District Rules 1070 and 4570]
25. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rules 2201 and 4570]
26. 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 Rules 1070 and 2201]
27. Refused feed shall be removed from the feed bunks on a daily basis and reused or disposed of appropriately to prevent decomposition. [District Rules 2201 and 4570]
28. The permittee shall maintain records sufficient to demonstrate that refused feed was removed from the feed bunks and properly disposed on a daily basis. [District Rules 2201 and 4570]
29. At least one of the feedings of the heifers shall be near (within one hour of) dusk. [District Rule 2201]
30. Permittee shall maintain windbreaks along the southern and eastern boundaries of the dairy site. The first continuous stretch of the windbreaks shall cover 2,973 feet along the southern boundary of the dairy site and 716 feet along the eastern boundary. The second stretch, which is not directly connected to the first, shall cover a further 2,140 feet along the eastern boundary. The windbreaks shall consist of two rows. The first row (closest to the dairy) shall consist of Arizona cypress trees spaced ten feet apart. The second row shall consist of Chinese pistache or walnut trees spaced fourteen feet apart. Each row should be offset from the adjacent row. Spacing between rows shall be sufficient to accommodate cultivation equipment. This spacing shall not exceed 24 feet. Any alternative windbreak proposal must be approved by the District. [District Rule 2201]
31. Windbreaks shall be irrigated and maintained for survivability and rapid growth. Dead trees and shrubs shall be replaced as necessary to maintain a windbreak density of 65%. Windbreak density is the percentage of the background view that is obscured or hidden when viewing through the windbreak from 60 ft to 100 ft upwind of the rows. [District Rule 2201]
32. The permittee shall maintain records of: (1) number of times feed lanes and feed aprons are flushed per day; (2) the frequency of scraping corral and exercise pen surfaces; (3) a schedule listing the times when heifers are fed at or near dusk; and (4) a log of pothole inspections performed at the dairy. [District Rules 1070, 2201 and 4570]
33. Permittee shall maintain a record of the number of animals of each species and production group at the facility and shall maintain quarterly records of any changes to this information. [District Rules 2201 and 4570]
34. 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 Rules 1070 and 4570]
35. 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:** C-5524-3-2

**ISSUANCE DATE:** 01/07/2013

**LEGAL OWNER OR OPERATOR:** RIVER RANCH DAIRY  
**MAILING ADDRESS:** 6127 JACKSON AVE  
HANFORD, CA 93230

**LOCATION:** 6127 JACKSON AVE  
HANFORD, CA 93230

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF LIQUID MANURE HANDLING SYSTEM CONSISTING OF TWO WEEPING WALLS, ONE LAGOON (400X40X18), AND TWO STORAGE PONDS (900X240X18, 900X240X18); ALLOW INCREASE IN EMISSIONS DUE TO DAIRY HERD INCREASE; IMPLEMENT RULE 4570 PHASE II MITIGATION MEASURES

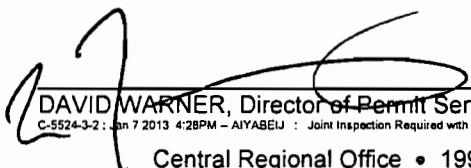
### CONDITIONS

1. 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 1070]
2. 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 1070]
3. 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]
4. This liquid manure handling system for this permit unit shall handle flush manure from no more than 1,713 milk cows, not to exceed a combined total of 2,089 mature cows (milk and dry cows); and 2,105 total support stock (heifers, calves and bulls). [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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  
C-5524-3-2 : Jan 7 2013 4:28PM - AIYABEU : Joint Inspection Required with AIYABEU  
Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726 • (559) 230-5900 • Fax (559) 230-6061

5. Permittee shall remove solids with a solid separator system, prior to the manure entering the lagoon. [District Rule 4570]
6. Permittee shall not allow liquid manure to stand in the fields for more than twenty-four (24) hours after irrigation. [District Rule 4570]
7. 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]
8. 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]
9. 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:** C-5524-4-2

**ISSUANCE DATE:** 01/07/2013

**LEGAL OWNER OR OPERATOR:** RIVER RANCH DAIRY  
**MAILING ADDRESS:** 6127 JACKSON AVE  
HANFORD, CA 93230

**LOCATION:** 6127 JACKSON AVE  
HANFORD, CA 93230

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF SOLID MANURE HANDLING CONSISTING OF OPEN MANURE STOCK PILES WITH MANURE BEING HAULED OFFSITE. IMPLEMENT RULE 4570 PHASE II MITIGATION MEASURES

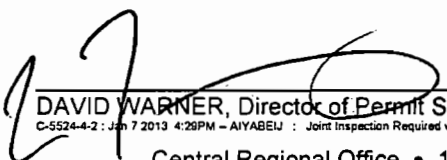
### CONDITIONS

1. 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 1070]
2. 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 1070]
3. 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]
4. Within seventy two (72) hours of removal of solid manure from housing, permittee shall either 1) remove dry manure from the facility, or 2) cover dry manure outside the housing with a weatherproof covering from October through May, except for times when wind events remove the covering, not to exceed twenty-four (24) hours per event. [District Rule 4570]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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  
C-5524-4-2 : Jan 7 2013 4:29PM - AIYABEU : Joint Inspection Required with AIYABEU

5. Permittee shall keep records of dates when manure is removed from the facility or permittee shall maintain records to demonstrate that dry manure piles outside the pens are covered with a weatherproof covering from October through May. [District Rule 4570]
6. If weatherproof coverings are used, permittee shall maintain records, such as manufacturer warranties or other documentation, demonstrating that the weatherproof covering over dry manure are installed, used, and maintained in accordance with manufacturer recommendations and applicable standards listed in NRCS Field Office Technical Guide Code 313 or 367, or any other applicable standard approved by the APCO, ARB, and EPA. [District Rule 4570]
7. Within seventy two (72) hours of removal of separated solids from the drying process, permittee shall either 1) remove separated solids from the facility, or 2) cover separated solids outside the housing with a weatherproof covering from October through May, except for times when wind events remove the covering, not to exceed twenty-four (24) hours per event. [District Rule 4570]
8. Permittee shall keep records of dates when separated solids are removed from the facility or permittee shall maintain records to demonstrate that separated solids piles outside the pens are covered with a weatherproof covering from October through May. [District Rule 4570]
9. Permittee shall maintain records, such as manufacturer warranties or other documentation, demonstrating that the weatherproof covering over separated solids are installed, used, and maintained in accordance with manufacturer recommendations and applicable standards listed in NRCS Field Office Technical Guide Code 313 or 367, or any other applicable standard approved by the APCO, ARB, and EPA. [District Rule 4570]
10. 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]
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]



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** C-5524-7-1

**ISSUANCE DATE:** 01/07/2013

**LEGAL OWNER OR OPERATOR:** RIVER RANCH DAIRY  
**MAILING ADDRESS:** 6127 JACKSON AVE  
HANFORD, CA 93230

**LOCATION:** 6127 JACKSON AVE  
HANFORD, CA 93230

**EQUIPMENT DESCRIPTION:**  
MODIFICATION OF FEED STORAGE AND HANDLING CONSISTING OF COMMODITY BARNs AND SILAGE PILES:  
IMPLEMENT RULE 4570 PHASE II MITIGATION MEASURES

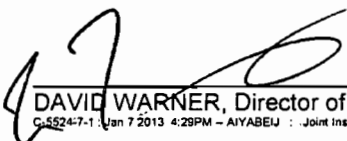
### CONDITIONS

1. 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 1070]
2. 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 1070]
3. 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]
4. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rule 4570]
5. 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 4570]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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  
C:5524-7-1 Jan 7 2013 4:29PM - AIYABEU : Joint Inspection Required with AIYABEU

6. Permittee shall push feed so that it is within three feet of feedlane fence within two hours of putting out the feed or use a feed trough or other feeding structure designed to maintain feed within reach of the animals. [District Rule 4570]
7. Permittee shall maintain an operating plan/record that requires feed to be pushed within three feet of feedlane fence within two hours of putting out the feed, or use of a feed trough or other structure designed to maintain feed within reach of the animals. [District Rule 4570]
8. Permittee shall begin feeding total mixed rations within two hours of grinding and mixing rations. [District Rule 4570]
9. Permittee shall maintain an operating plan/record of when feeding of total mixed rations began within two hours of grinding and mixing rations. [District Rule 4570]
10. Permittee shall store grain in a weatherproof storage structure or under a weatherproof covering from October through May. [District Rule 4570]
11. Permittee shall maintain records demonstrating grain is/was stored in a weatherproof storage structure or under a weatherproof covering from October through May. [District Rule 4570]
12. Permittee shall feed steam-flaked, dry rolled, cracked or ground corn or other steam-flaked, dry rolled, cracked or ground cereal grains. [District Rule 4570]
13. Permittee shall maintain records to demonstrate animals are fed steam-flaked, dry rolled, cracked or ground corn or other steam-flaked, dry rolled, cracked or ground cereal grains. Records such as feed company guaranteed analyses (feed tags), ration sheets, or feed purchase records may be used to meet this requirement. [District Rule 4570]
14. For bagged silage/feedstuff, permittee shall utilize a sealed feed storage system (e.g., ag bag). [District Rule 4570]
15. Permittee shall cover all silage piles, except for the area where feed is being removed from the pile, with a plastic tarp that is at least five (5) mils (0.005 inches) thick, multiple plastic tarps with a cumulative thickness of at least 5 mils (0.005 inches), or an oxygen barrier film covered with a UV resistant material. Silage piles shall be covered within seventy-two (72) hours of last delivery of material to the pile. Sheets of material used to cover silage shall overlap so that silage is not exposed where the sheets meet. [District Rule 4570]
16. Permittee shall maintain records of the thickness and type of cover used to cover each silage pile. Permittee shall also maintain records of the date of the last delivery of material to each silage pile and the date each pile is covered. [District Rule 4570]
17. Permittee shall select and implement one of the following mitigation measures for building each silage pile at the facility: Option 1) build the silage pile such that the average bulk density is at least 44 lb/cu ft for corn silage and 40 lb/cu ft for other silage types, as measured in accordance with Section 7.11 of District Rule 4570; Option 2). Adjust filling parameters when creating the silage pile to achieve an average bulk density of at least 44 lb/cu ft for corn silage and at least 40 lb/cu ft for other silage types as determined using a District-approved spreadsheet; or Option 3) build silage piles using crops harvested with the applicable minimum moisture content, maximum Theoretical Length of Chop (TLC), and roller opening identified in District Rule 4570, Table 4.1, 1.d and manage silage material delivery such that the thickness of the layer of un-compacted material delivered on top of the pile is no more than six (6) inches. Records of the option chosen as a mitigation measure for building each silage pile shall be maintained. [District Rule 4570]
18. For each silage pile that Option 1 (Measured Bulk Density) is chosen as a mitigation measure for building the pile, records of the measured bulk density shall be maintained. [District Rule 4570]
19. For each silage pile that Option 2 (Bulk Density Determined by Spreadsheet) is chosen as a mitigation measure for building the pile, records of the filling parameters entered into the District-approved spreadsheet to determine the bulk density shall be maintained. [District Rule 4570]
20. For each silage pile that Option 3 (Moisture, TLC, Roller Opening, & Material Delivery) is chosen as a mitigation measure for building the pile, the permittee shall harvest corn used for the pile at an average moisture content of at least 65% and harvest other silage crops for the pile at an average moisture content of at least 60%. [District Rule 4570]
21. For each silage pile that Option 3 (Moisture, TLC, Roller Opening, & Material Delivery) is chosen as a mitigation measure for building the pile, records of the average percent moisture of crops harvested for silage shall be maintained. [District Rule 4570]

CONDITIONS CONTINUE ON NEXT PAGE

22. For each silage pile that Option 3 (Moisture, TLC, Roller Opening, & Material Delivery) is chosen as a mitigation measure for building the pile, the permittee shall adjust setting of equipment used to harvest crops for the pile to incorporate the following parameters for Theoretical Length of Chop (TLC) and roller opening, as applicable: 1) Corn with no processing: TLC not exceeding 1/2 inch, 2) Processed Corn: TLC not exceeding 3/4 inch and roller opening of 1-4 mm, 3) Alfalfa/Grass: TLC not exceeding 1.0 inch, 4) Other silage crops: TLC not exceeding 1/2 inch. [District Rule 4570]
23. For each silage pile that Option 3 (Moisture, TLC, Roller Opening, & Material Delivery) is chosen as a mitigation measure for building the pile, records that equipment used to harvest crops for the pile was set to the required TLC and roller opening for the type of crop harvested shall be maintained. [District Rule 4570]
24. For each silage pile that Option 3 (Moisture, TLC, Roller Opening, & Material Delivery) is chosen as a mitigation measure for building the pile, the permittee shall manage silage material delivery such that the thickness of the layer of un-compacted material delivered on top of the pile is no more than six (6) inches. [District Rule 4570]
25. For each silage pile that Option 3 (Moisture, TLC, Roller Opening, & Material Delivery) is chosen as a mitigation measure for building the pile, the permittee shall maintain a plan that requires that the thickness of the layer of un-compacted material delivered on top of the pile is no more than six (6) inches. [District Rule 4570]
26. Permittee shall select and implement at least two of the following mitigation measures for management of silage piles at the facility: Option 1) manage silage piles such that only one silage pile has an uncovered face and the total exposed surface area is less than 2,150 square feet, or manage multiple uncovered silage piles such that the total exposed surface area of all uncovered silage piles is less than 4,300 square feet; Option 2) use a shaver/facer to remove silage from the silage pile, or shall use another method to maintain a smooth vertical surface on the working face of the silage pile; or Option 3) inoculate silage with homolactic lactic acid bacteria in accordance with manufacturer recommendations to achieve a concentration of at least 100,000 colony forming units per gram of wet forage, apply propionic acid, benzoic acid, sorbic acid, sodium benzoate, or potassium sorbate at the rate specified by the manufacturer to reduce yeast counts when forming silage piles, or apply other additives at rates that have been demonstrated to reduce alcohol concentrations in silage and/or VOC emissions from silage and have been approved by the District and EPA. Records of the options chosen for managing each silage pile shall be maintained. [District Rule 4570]
27. If Option 1 (Limiting Exposed Area of Silage) is chosen as a mitigation measure for managing silage piles, the permittee shall calculate and record the maximum (largest part of pile) total exposed area of each silage pile. Records of the maximum calculated area shall be maintained. [District Rule 4570]
28. For each silage pile that Option 2 (Shaver/Facer or Smooth Face) is chosen as a mitigation measure for building the pile, the permittee shall maintain records that a shaver/facer was used to remove silage from the pile or shall visually inspect the pile at least daily to verify that the working face was smooth and maintain records of the visual inspections. [District Rule 4570]
29. For each silage pile that Option 3 (Silage Additives) is chosen as a mitigation measure for building the pile, records shall be maintained of the type additive (e.g. inoculants, preservative, other District & EPA-approved additive), the quantity of the additive applied to the pile, and a copy of the manufacturers instructions for application of the additive. [District Rule 4570]
30. 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]
31. 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:** C-5524-12-1

**ISSUANCE DATE:** 01/07/2013

**LEGAL OWNER OR OPERATOR:** RIVER RANCH DAIRY  
**MAILING ADDRESS:** 6127 JACKSON AVE  
HANFORD, CA 93230

**LOCATION:** 6127 JACKSON AVE  
HANFORD, CA 93230

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 3,404 COW MILKING OPERATION WITH AN 80-STALL ROTARY MILKING PARLOR: INCREASE NUMBER OF MILK COWS BY 421; IMPLEMENT RULE 4570 PHASE II MITIGATION MEASURES

### CONDITIONS

1. 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 1070]
2. 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 1070]
3. 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]
4. Permittee shall flush or hose down milk parlor immediately after each milking. [District Rules 2201 and 4570]
5. Permittee shall provide verification that milk parlor is flushed or hosed down immediately after each milking. [District Rules 2201 and 4570]
6. 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 Rules 2201 and 4570]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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  
C-5524-12-1: Jan 7 2013 4:29PM - AIYABEU : Joint Inspection Required with AIYABEU



7. 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:** C-5524-13-1

**ISSUANCE DATE:** 01/07/2013

**LEGAL OWNER OR OPERATOR:** RIVER RANCH DAIRY  
**MAILING ADDRESS:** 6127 JACKSON AVE  
HANFORD, CA 93230

**LOCATION:** 6127 JACKSON AVE  
HANFORD, CA 93230

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF COW HOUSING - 3,404 MILK AND 662 DRY COWS HOUSED IN 5 FREESTALL BARNs AND 1 MATERNITY/HOSPITAL BARN WITH A FLUSH SYSTEM; 1,052 LARGE HEIFERS (15-24 MONTHS), 980 MEDIUM HEIFERS (7-14 MONTHS), AND 665 SMALL HEIFERS (3-6 MONTHS) HOUSED IN OPEN CORRALS WITH A FLUSH SYSTEM AND SHADE STRUCTURES; AND 638 CALVES (0-3 MONTHS) HOUSED IN CALF HUTCHES: INCREASE HERD BY 421 MILK COWS, 1,588 MEDIUM HEIFERS, 617 SMALL HEIFERS, 1,762 CALVES, AND 40 MATURE BULLS; DECREASE BY 122 DRY COWS AND 188 LARGE HEIFERS; IMPLEMENT RULE 4570 PHASE II MITIGATION MEASURES

### CONDITIONS

1. 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 1070]
2. 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 1070]
3. 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]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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  
C-5524-13-1 : Jan 7 2013 4:28PM - AIYABEU : Joint Inspection Required with AIYABEU

4. The total number of cattle for this permit unit shall not exceed any of the following limits: 3,825 milk cows, not to exceed a combined total of 4,365 mature cows (milk and dry cows); and 7,154 total support stock (heifers, calves and bulls). [District Rule 2201]
5. 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 Rules 2201 and 4570]
6. The feed lanes and walkways for milk cows and dry cows at this dairy shall be flushed at least four times per day. The feed lanes and walkways in the corrals for the heifers shall be flushed at least two times per day. [District Rules 2201 and 4570]
7. Permittee shall use non-manure-based bedding and non-separated solids based bedding for at least 90% of the bedding material, by weight, for freestalls (e.g. rubber mats, almond shells, sand, or waterbeds). [District Rule 4570]
8. 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]
9. 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]
10. Permittee shall clean concreted lanes such that the depth of manure does not exceed twelve (12) inches at any point or time. [District Rule 4570]
11. Permittee shall measure and document the depth of manure on the concrete lanes at least once every ninety (90) days. [District Rule 4570]
12. Calf housing shall consist of aboveground hutches with manure removal by flushing. [District Rule 2201]
13. Open corrals shall be equipped with shade structures. Shade structures shall be installed in a North/South orientation. [District Rules 2201 and 4570]
14. Permittee shall 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. [District Rules 2201 and 4570]
15. Permittee shall maintain records to demonstrate that the surfaces of the corrals are sloped properly. [District Rules 2201 and 4570]
16. Corrals and exercise pens shall be scraped weekly using a pull-type scraper in the morning hours, except when this is prevented by wet conditions. [District Rule 2201]
17. 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]
18. 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]
19. Corral fencelines shall be inspected weekly to remove any ridges or build-up of manure that form under them. Manure buildup under fencelines shall not exceed twelve (12) inches at any time or point , except when accessibility is limited due to rain events. Records of fenceline inspection and fence line manure build-up removal shall be maintained. [District Rules 1070, 2201 and 4570]
20. Inspection for potholes and other sources of emissions shall be done on a monthly basis. [District Rule 2201]
21. Firm, stable, soil that is not easily eroded shall be used for the corral and exercise pen surfaces. A supply of fill soil shall be kept on site in order to fill areas where erosion and gouging occurs. [District Rule 2201]
22. Clean rainfall runoff shall be diverted around corrals and exercise pens to reduce the amount of water that is potentially detained on the corral and exercise pen surfaces. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

23. The permittee shall maintain all water systems such as pipes, troughs and misters in proper operating condition. Inspection of such water systems shall be conducted at least once every 7 days. Any broken or malfunctioning water systems shall be repaired or replaced promptly. Holes and wallows near watering troughs and feeding areas shall be filled in promptly. [District Rules 2201 and 4570]
24. The permittee shall maintain records to demonstrate that water systems such as pipes, troughs and misters are inspected, repaired, or replaced. [District Rules 1070 and 4570]
25. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rules 2201 and 4570]
26. 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 Rules 1070 and 2201]
27. Refused feed shall be removed from the feed bunks on a daily basis and reused or disposed of appropriately to prevent decomposition. [District Rules 2201 and 4570]
28. The permittee shall maintain records sufficient to demonstrate that refused feed was removed from the feed bunks and properly disposed on a daily basis. [District Rules 2201 and 4570]
29. At least one of the feedings of the heifers shall be near (within one hour of) dusk. [District Rule 2201]
30. Permittee shall maintain windbreaks along the southern and eastern boundaries of the dairy site. The first continuous stretch of the windbreaks shall cover 2,973 feet along the southern boundary of the dairy site and 716 feet along the eastern boundary. The second stretch, which is not directly connected to the first, shall cover a further 2,140 feet along the eastern boundary. The windbreaks shall consist of two rows. The first row (closest to the dairy) shall consist of Arizona cypress trees spaced ten feet apart. The second row shall consist of Chinese pistache or walnut trees spaced fourteen feet apart. Each row should be offset from the adjacent row. Spacing between rows shall be sufficient to accommodate cultivation equipment. This spacing shall not exceed 24 feet. Any alternative windbreak proposal must be approved by the District. [District Rule 2201]
31. Windbreaks shall be irrigated and maintained for survivability and rapid growth. Dead trees and shrubs shall be replaced as necessary to maintain a windbreak density of 65%. Windbreak density is the percentage of the background view that is obscured or hidden when viewing through the windbreak from 60 ft to 100 ft upwind of the rows. [District Rule 2201]
32. The permittee shall maintain records of: (1) number of times feed lanes and feed aprons are flushed per day; (2) the frequency of scraping corral and exercise pen surfaces; (3) a schedule listing the times when heifers are fed at or near dusk; and (4) a log of pothole inspections performed at the dairy. [District Rules 1070, 2201 and 4570]
33. Permittee shall maintain a record of the number of animals of each species and production group at the facility and shall maintain quarterly records of any changes to this information. [District Rules 2201 and 4570]
34. 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 Rules 1070 and 4570]
35. 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:** C-5524-14-1

**ISSUANCE DATE:** 01/07/2013

**LEGAL OWNER OR OPERATOR:** RIVER RANCH DAIRY  
**MAILING ADDRESS:** 6127 JACKSON AVE  
HANFORD, CA 93230

**LOCATION:** 6127 JACKSON AVE  
HANFORD, CA 93230

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF LIQUID MANURE HANDLING SYSTEM CONSISTING OF THREE WEEPING WALL SEPARATION BASINS, ONE ANAEROBIC TREATMENT LAGOON (800' X 330' X 20'), AND ONE STORAGE POND (2,810' X 150' X 20'); ALLOW INCREASE IN EMISSIONS DUE TO DAIRY HERD INCREASE; IMPLEMENT RULE 4570 PHASE II MITIGATION MEASURES

### CONDITIONS

1. 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 1070]
2. 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 1070]
3. 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]
4. This liquid manure handling system for this permit unit shall handle flush manure from no more than 3,825 milk cows, not to exceed a combined total of 4,365 mature cows (milk and dry cows); and 7,154 total support stock (heifers, calves and bulls). [District Rule 2201]
5. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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

C-5524-14-1: Jan 7 2013 4:29PM - AIYABEJ - Joint Inspection Required with AIYABEJ

6. Permittee shall remove solids with a solid separator system, prior to the manure entering the lagoon. [District Rules 2201 and 4570]
7. All liquid manure shall be treated in an anaerobic treatment lagoon that is designed and operated according to the Natural Resources Conservation Service (NRCS) technical guide No. 359. [District Rules 2201 and 4570]
8. The permittee shall maintain records of design specifications and calculations for the anaerobic treatment lagoon system, such as Minimum Treatment Volume (MTV) and Hydraulic Retention Time (HRT), in order to demonstrate that the system has been designed and is operating according to the applicable Natural Resources Conservation Service (NRCS) technical guide. [District Rules 1070, 2201 and 4570]
9. The permittee shall test any other anaerobic treatment lagoon system parameters determined necessary by the APCO, ARB, and EPA to demonstrate compliance with rule requirements as frequently as determined necessary by the APCO, ARB, and EPA [District Rules 2201 and 4570]
10. Liquid manure used for irrigation of cropland shall only be taken from the storage pond/secondary lagoon after treatment in the primary lagoon. [District Rules 2201 and 4570]
11. Liquid manure that is applied to cropland shall be mixed with irrigation water at a ratio in compliance with the facility nutrient management plan and applied at agronomic rates in accordance with the requirements of Regional Water Quality Control Board. [District Rule 2201]
12. Permittee shall maintain records to demonstrate that only liquid animal waste treated with an anaerobic treatment lagoon is applied to fields. [District Rules 2201 and 4570]
13. Permittee shall not allow liquid manure to stand in the fields for more than twenty-four (24) hours after irrigation. [District Rule 4570]
14. 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]
15. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 4570]
16. 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]
17. 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 Rules 2201 and 4570]
18. 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]