

**MAY 22 2019**

Nathan Heeringa  
Innovative Ag Services, LLC  
1201 Lacey Blvd, Ste 5  
Hanford, CA 93230

**RE: Notice of Final Action - Authority to Construct**  
**Facility Number: S-6473**  
**Project Number: S-1182820**

Dear Mr. Heeringa:

The Air Pollution Control Officer has issued the Authority to Construct permits to Bar VP Heifer Ranch for the construction of a heifer ranch consisting of 4,310 support stock, at 9181 Road 104, Pixley. 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 April 19, 2019. The District's analysis of the proposal was also sent to CARB on April 15, 2019. 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.

Samir Sheikh  
Executive Director/Air Pollution Control Officer

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**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

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

Sincerely,

  
Arnaud Marjollet  
Director of Permit Services

AM:jy

Enclosures

cc: Brian Clerico, CARB (w/enclosure) via email

Joe Vander Poel  
Bar VP Heifer Ranch  
8001 Road 104  
Pixley, CA 93256



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-6473-2-1

**ISSUANCE DATE:** 05/20/2019

**LEGAL OWNER OR OPERATOR:** BAR VP HEIFER RANCH

**MAILING ADDRESS:** 8001 AVENUE 104  
PIXLEY, CA 93256

**LOCATION:** ROAD 104 AND AVENUE 96  
(9181 ROAD 104)  
PIXLEY, CA

**EQUIPMENT DESCRIPTION:**

HEIFER RANCH - 4,310 CATTLE WHICH INCLUDES UP TO 2,810 LARGE HEIFERS (15 TO 24 MONTHS) WITH FLUSH/SCRAPE SYSTEM

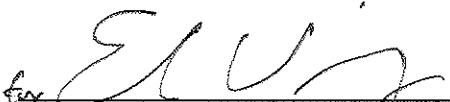
## CONDITIONS

1. Upon implementation of this Authority to Construct (ATC), ATC S-6473-2-0 shall be cancelled. [District Rule 2201]
2. The properties with the following Assessor's Parcel Numbers (APNs) shall be leased or under control by the facility and only used for the production of crops or raising of fowl or animals: 293-150-016 and 293-150-017. [District Rules 2201 and 4102]
3. 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]
4. 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]
5. 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 (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.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

S-6473-2-1 : May 20 2019 4:01PM - YOSHIMUJ : Joint Inspection NOT Required

6. 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 Rule 4570]
7. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rules 2201 and 4570]
8. 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 2201 and 4570]
9. Permittee shall inspect water pipes and troughs and repair leaks at least once every seven (7) days. [District Rules 2201 and 4570]
10. Permittee shall maintain records demonstrating that water pipes and troughs are inspected and leaks are repaired at least once every seven (7) days. [District Rules 2201 and 4570]
11. Permittee shall flush/scrape the feed lanes and walkways of open corrals #1-6, 10-12, 15-20, and 25-27 at least once per day. [District Rule 2201]
12. Permittee shall keep records or maintain an operating plan that requires the feed lanes and walkways of open corrals #1-6, 10-12, 15-20, and 25-27 to be flushed/scraped at least once per day. [District Rule 2201]
13. Permittee shall scrape corrals, excluding the removal of in-corral mounds at least two (2) times per year with at least ninety (90) days between each cleaning. [District Rules 2201 and 4570]
14. Permittee shall maintain records demonstrating that manure from corrals are cleaned at least two (2) times per year with at least ninety (90) days between each cleaning. [District Rules 2201 and 4570]
15. Permittee shall scrape, vacuum or flush concrete lanes in corrals at least once every seven (7). [District Rules 2201 and 4570]
16. Permittee shall maintain records demonstrating that concrete lanes in corrals are scraped, vacuumed, or flushed at least once every seven (7) days. [District Rules 2201 and 4570]
17. Permittee shall clean concreted lanes such that the depth of manure does not exceed twelve (12) inches at any point or time. [District Rules 2201 and 4570]
18. Permittee shall measure and document the depth of manure on the concrete lanes at least once every ninety (90) days. [District Rules 2201 and 4570]
19. 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 open corrals sufficiently to maintain a dry surface except during periods of rainy weather or when the corrals have not held animals in the last thirty days. [District Rules 2201 and 4570]
20. 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 corrals are groomed (i.e. harrowed, raked, or scraped, etc.). [District Rules 2201 and 4570]
21. Except for open corrals #21 and 22, all other corrals at this heifer ranch shall be equipped with at least one shade structure. [District Rule 2201]
22. 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 Rules 2201 and 4570]

23. If permittee has selected to comply using shades constructed with a light permeable roofing material, then permittee shall maintain records, such as design specifications, demonstrating that the shade structures are equipped with such roofing material or if Permittee has selected to comply by cleaning the manure from under the corral shades, then Permittee shall maintain records demonstrating that manure is cleaned from under the shades at least once every fourteen (14) days, as long as weather permits access to corrals. [District Rules 2201 and 4570]
24. 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 Rules 2201 and 4570]
25. Permittee shall measure and document the depth of manure in the corrals at least once every ninety (90) days. [District Rules 2201 and 4570]
26. Permittee shall pave feed lanes, where present, for a width of at least 6 feet along the corral side of the feed lane for heifers. [District Rules 2201 and 4570]
27. Permittee shall scrape the corrals and exercise pens at least once every two weeks using a pull-type scraper in the morning hours except when prevented by wet conditions. [District Rule 2201]
28. Permittee shall maintain sufficient records to demonstrate that the corrals are scraped at least once every two weeks, except when prevented by wet conditions. [District Rule 2201]
29. Permittee shall sprinkle water over at least 75% of area of the unpaved area of the corrals. Sprinkling rate shall match with the local wet soil evaporation rate (70-80% of the local wet pan evaporation rate) to keep sufficient moisture content in the surface of the corrals. Sprinkling of corrals is not required during wet conditions. [District Rule 2201]
30. Sprinklers or water trucks shall be designed to spray the corrals uniformly to prevent inconsistent distribution of water. [District Rule 2201]
31. Permittee shall maintain records of the daily local evaporation rate/soil evaporation rate and the amount of water (inches or cm) applied to the corral surface. Records of sprinkler run time and flow rate may be used to satisfy this requirement. [District Rule 2201]
32. At least one of the feedings of the heifers shall be within one hour of dusk. [District Rules 2201 and 4570]
33. Permittee shall maintain records of: (1) number of times feed lanes are flushed, vacuumed or scraped per day; (2) the frequency of scraping and manure removal from corral surfaces; and (3) a schedule listing the times when heifers are fed within one hour of dusk. [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 Rule 4570]



# AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-6473-3-2

**ISSUANCE DATE:** 05/20/2019

**LEGAL OWNER OR OPERATOR:** BAR VP HEIFER RANCH

**MAILING ADDRESS:** 8001 AVENUE 104  
PIXLEY, CA 93256

**LOCATION:** ROAD 104 AND AVENUE 96  
(9181 ROAD 104)  
PIXLEY, CA

**EQUIPMENT DESCRIPTION:**

LIQUID MANURE HANDLING SYSTEM CONSISTING OF PROCESSING PIT(S), FLUSH PIT(S), MECHANICAL SEPARATOR(S), ONE ANAEROBIC TREATMENT LAGOON (557' X 303' X 20'), AND ONE STORAGE POND; MANURE IS LAND APPLIED THROUGH FLOOD IRRIGATION AND FURROW IRRIGATION; EVALUATE THE LIQUID MANURE EMISSIONS FROM 4,310 SUPPORT STOCK

## CONDITIONS

1. Upon implementation of this Authority to Construct (ATC), Permit to Operate S-6473-3-0 shall be cancelled. [District Rule 2201]
2. 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]
3. 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]
4. 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

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Samir Sheikh, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

S-6473-3-2 : May 20 2019 10:46AM - YOSHIMUJ : Joint Inspection NOT Required

5. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rules 2201 and 4570]
6. 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 2201 and 4570]
7. Permittee shall use an anaerobic treatment lagoon designed according to NRCS Guideline No. 359. [District Rules 2201, 4102, and 4570]
8. Permittee shall maintain records, such as 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 Rules 2201, 4102, and 4570]
9. Permittee shall test any other 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 Rule 4570]
10. Permittee shall remove solids with a solid separator system, prior to the manure entering the lagoon. [District Rules 2201 and 4570]
11. Permittee shall not allow liquid manure to stand in the fields for more than twenty-four (24) hours after irrigation. [District Rules 2201 and 4570]
12. Permittee shall maintain records to demonstrate liquid manure did not stand in the fields for more than twenty-four (24) hours after irrigation. [District Rules 2201 and 4570]
13. Permittee shall only land apply liquid manure that has been treated with an anaerobic treatment lagoon. [District Rules 2201 and 4570]
14. Permittee shall maintain records that only liquid manure treated with an anaerobic treatment lagoon is applied to fields. [District Rules 2201 and 4570]
15. 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]



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-6473-4-2

**ISSUANCE DATE:** 05/20/2019

**LEGAL OWNER OR OPERATOR:** BAR VP HEIFER RANCH

**MAILING ADDRESS:** 8001 AVENUE 104  
PIXLEY, CA 93256

**LOCATION:** ROAD 104 AND AVENUE 96  
(9181 ROAD 104)  
PIXLEY, CA

**EQUIPMENT DESCRIPTION:**

SOLID MANURE HANDLING CONSISTING OF MANURE STOCK PILES; SOLID MANURE APPLICATION TO LAND AND/OR HAULED OFFSITE: EVALUATE THE SOLID MANURE EMISSIONS FROM 4,310 SUPPORT STOCK

### CONDITIONS

1. Upon implementation of this Authority to Construct (ATC), Permit to Operate S-6473-4-0 shall be cancelled. [District Rule 2201]
2. 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]
3. 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]
4. 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]
5. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rules 2201 and 4570]

CONDITIONS CONTINUE ON NEXT PAGE

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Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

S-6473-4-2 : May 20 2019 10:46AM - YDSHIMUJ : Joint Inspection NOT Required



6. 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 2201 and 4570]
7. Solid manure applied to fields shall be incorporated into the soil immediately (within two hours) after application. [District Rules 2201 and 4570]
8. Permittee shall maintain records to demonstrate that all solid manure has been incorporated within two hours of land application. [District Rules 2201 and 4570]
9. 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]



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-6473-5-2

**ISSUANCE DATE:** 05/20/2019

**LEGAL OWNER OR OPERATOR:** BAR VP HEIFER RANCH

**MAILING ADDRESS:** 8001 AVENUE 104  
PIXLEY, CA 93256

**LOCATION:** ROAD 104 AND AVENUE 96  
(9181 ROAD 104)  
PIXLEY, CA

**EQUIPMENT DESCRIPTION:**

FEED STORAGE AND HANDLING CONSISTING OF COMMODITY BARNs AND SILAGE PILES AND TOTAL MIXED RATION FEEDING: EVALUATE THE FEED EMISSIONS FROM 4,310 SUPPORT STOCK


### CONDITIONS

1. Upon implementation of this Authority to Construct (ATC), Permit to Operate S-6473-5-0 shall be cancelled. [District Rule 2201]
2. 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]
3. 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]
4. 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]
5. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rules 2201 and 4570]

CONDITIONS CONTINUE ON NEXT PAGE

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Samir Sheikh, Executive Director / APCO

  
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Arnaud Marjollet, Director of Permit Services

S-6473-5-2 : May 20 2019 10:46AM - YOSHIMUJ : Joint Inspection NOT Required

6. 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 2201 and 4570]
7. Permittee shall remove uneaten wet feed from feed bunks within twenty-four (24) hours after the end of a rain event. [District Rules 2201 and 4570]
8. Permittee shall maintain records demonstrating that uneaten wet feed was removed from feed bunks within twenty-four (24) hours after the end of a rain event. [District Rules 2201 and 4570]
9. For bagged silage/feedstuff, permittee shall utilize a sealed feed storage system (e.g. ag bag). [District Rules 2201 and 4570]
10. 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 Rules 2201 and 4570]
11. 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 Rules 2201 and 4570]
12. 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 Rules 2201 and 4570]
13. 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 Rules 2201 and 4570]
14. 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 Rules 2201 and 4570]
15. 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 Rules 2201 and 4570]
16. 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 Rules 2201 and 4570]
17. 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 Rules 2201 and 4570]
18. 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 Rules 2201 and 4570]

CONDITIONS CONTINUE ON NEXT PAGE

19. 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 Rules 2201 and 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 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 Rules 2201 and 4570]
21. Permittee shall select and implement at least one 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 Rules 2201 and 4570]
22. 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 Rules 2201 and 4570]
23. For each silage pile that Option 2 (Shaver/Facer or Smooth Face) is chosen as a mitigation measure for managing 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 Rules 2201 and 4570]
24. For each silage pile that Option 3 (Silage Additives) is chosen as a mitigation measure for managing 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 Rules 2201 and 4570]
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]