



October 13, 2023

Mr. George Borba
Bellanave Corp
14461 Highway 119
Bakersfield, CA, 93311

Re: Notice of Final Action - Title V Permit Renewal
Facility Number: S-4692
Project Number: S-1231430

Dear Mr. Borba:

The District has issued the Final Renewed Title V Permit for Bellanave Corp (see enclosure). The preliminary decision for this project was made on August 8, 2023.

The public notice for issuance of the Final Title V Permit will be posted on the District's website (www.valleyair.org).

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

Sincerely,



Brian Clements
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email
cc: Laura Yannayon, EPA (w/enclosure) via EPS

Samir Sheikh
Executive Director/Air Pollution Control Officer

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

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

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

San Joaquin Valley Air Pollution Control District

FACILITY: S-4692-0-3

EXPIRATION DATE: 07/31/2023

FACILITY-WIDE REQUIREMENTS

1. 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]
2. S-4692 and S-4693 are part of the same stationary source. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (San Joaquin); and 109 (Merced)] Federally Enforceable Through Title V Permit
4. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (San Joaquin); and 109 (Merced)] Federally Enforceable Through Title V Permit
5. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
6. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
7. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
8. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
9. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
10. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: BELLANAVE CORP
Location: 14461 HIGHWAY 119, BAKERSFIELD, CA 93311
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11. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
12. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
13. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
14. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
15. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
16. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
17. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
18. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
19. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
22. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
23. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

24. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
25. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
26. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
31. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
32. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
33. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
34. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
35. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

36. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
37. The owner or operator shall comply with Sections 5.1 through 5.3 of District Rule 8081 and shall sufficiently implement at least one of the control measures indicated in each section of Table 8081-1 to limit Visible Dust Emissions to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011, unless specifically exempted under Section 4.0 of Rule 8081 (9/16/2004) or Rule 8011 (8/19/2004). The owner or operator shall also comply with all applicable requirements of Regulation VIII unless specifically exempted by the applicable rules. [District Rule 8081 and 8011] Federally Enforceable Through Title V Permit
38. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
39. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
40. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
41. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (San Joaquin), Rule 109 (Merced), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
43. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. The owner or operator shall implement the applicable conservation management practices (CMP) selected in the approved CMP plan pursuant Section 6.2 of District Rule 4550 (8/19/04). The owner or operator shall submit a CMP application to the APCO prepared pursuant to Section 6.1 of District Rule 4550 (8/19/04) within 90 days for an agricultural operation site or an agricultural parcel that is acquired or becomes subject to District Rule 4550 and within 60 days of any operational, administrative, or other modification that necessitates revision of the CMP Plan. The owner or operator shall maintain a copy of each CMP application, CMP plan, and any supporting information necessary to confirm the implementation of the CMPs for a minimum of five (5) years. [District Rule 4550] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

45. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
46. On January 31, 2014, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-1-6

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

8,880 COW MILKING OPERATION WITH TWO DOUBLE 35 PARALLEL (140 STALLS) MILKING PARLOR AND ONE 90 STALL ROTARY MILKING PARLOR

PERMIT UNIT REQUIREMENTS

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. 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]
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] Federally Enforceable Through Title V Permit
5. Permittee shall flush or hose milk parlor immediately prior to, immediately after, or during each milking. [District Rule 4570] Federally Enforceable Through Title V Permit
6. Permittee shall provide verification that milk parlors are flushed or hosed prior to, immediately after, or during each milking. [District Rule 4570] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-2-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

COW HOUSING - 8,880 MILK COWS NOT TO EXCEED A COMBINED TOTAL OF 10,105 MATURE COWS (MILK AND DRY COWS); 6,915 TOTAL SUPPORT STOCK (HEIFERS AND BULLS); AND 11 FREESTALLS WITH VACUUM SYSTEM

PERMIT UNIT REQUIREMENTS

1. If a licensed veterinarian or a certified nutritionist determines that any VOC mitigation measure will be required to be suspended as a detriment to animal health or necessary for the animal to molt, the owners/operators must notify the District in writing within forty-eight (48) hours of the determination including the duration and the specific health condition requiring the mitigation measure to be suspended. If the situation is expected to exist longer than a thirty-day (30) period, the owner/operator shall submit a new emission mitigation plan designating a mitigation measure to be implemented in lieu of the suspended mitigation measure. [District Rule 4570] Federally Enforceable Through Title V Permit
2. Permittee shall pave feedlanes, where present, for a width of at least 8 feet along the corral side of the feedlane fence for milk and dry cows and at least 6 feet along the corral side of the feedlane for heifers. [District Rule 4570] Federally Enforceable Through Title V Permit
3. Permittee shall flush, scrape or vacuum freestall lanes immediately prior to, immediately after or during each milking. [District Rule 4570] Federally Enforceable Through Title V Permit
4. Permittee shall maintain records sufficient to demonstrate that freestall lanes are flushed, scraped or vacuumed immediately prior to, immediately after or during each milking. [District Rule 4570] Federally Enforceable Through Title V Permit
5. Permittee shall remove manure that is not dry from individual cow freestall beds or rake, harrow, scrape, or grade freestall bedding at least once every seven (7) days. [District Rule 4570] Federally Enforceable Through Title V Permit
6. Permittee shall record the date that manure that is not dry is removed from individual cow freestall beds or raked, harrowed, scraped, or freestall bedding is graded at least once every seven (7) days. [District Rule 4570] Federally Enforceable Through Title V Permit
7. Permittee shall inspect water pipes and troughs and repair leaks at least once every seven (7) days. [District Rule 4570] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records demonstrating that water pipes and troughs are inspected and leaks are repaired at least once every seven (7) days. [District Rule 4570] Federally Enforceable Through Title V Permit
9. Permittee shall clean manure from corrals at least four (4) times per year with at least sixty (60) days between each cleaning, or permittee shall clean corrals at least once between April and July and at least once between September and December. [District Rule 4570] Federally Enforceable Through Title V Permit
10. Permittee shall demonstrate that manure from corrals are cleaned at least four (4) times per year with at least sixty (60) days between each cleaning or demonstrate that corrals are cleaned at least once between April and July and at least once between September and December. [District Rule 4570] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. Permittee shall implement at least one of the following corral mitigation measures: 1) slope the surface of the corrals at least 3% where the available space for each animal is 400 square feet or less and shall slope the surface of the corrals at least 1.5% where the available space for each animal is more than 400 square feet per animal; 2) maintain corrals to ensure proper drainage preventing water from standing more than forty-eight hours; or 3) harrow, rake, or scrape pens sufficiently to maintain a dry surface except during periods of rainy weather. [District Rule 4570] Federally Enforceable Through Title V Permit
12. Permittee shall either 1) maintain sufficient records to demonstrate that corrals are maintained to ensure proper drainage preventing water from standing for more than forty-eight hours or 2) maintain records of dates pens are groomed (i.e., harrowed, raked, or scraped, etc.). [District Rule 4570] Federally Enforceable Through Title V Permit
13. Permittee shall scrape, vacuum or flush concrete lanes in corrals at least once every day for mature cows and every seven (7) days for support stock. [District Rule 4570] Federally Enforceable Through Title V Permit
14. Permittee shall maintain records demonstrating that concrete lanes in corrals are scraped, vacuumed, or flushed at least once every day for mature cows and at least once every seven (7) days for support stock. [District Rule 4570] Federally Enforceable Through Title V Permit
15. Shade structures shall be installed in any of the following ways: 1) constructed with a light permeable roofing material; 2) uphill of any slope in the corral; 3) installed so that the structure has a North/South orientation. OR Permittee shall clean manure from under corral shades at least once every fourteen (14) days, when weather permits access into the corral. [District Rule 4570] Federally Enforceable Through Title V Permit
16. Permittee shall manage corrals such that the manure depth in the corral does not exceed twelve (12) inches at any time or point, except for in-corral mounding. Manure depth may exceed 12 inches when corrals become inaccessible due to rain events. However, permittee must resume management of the manure depth of 12 inches or lower immediately upon the corral becoming accessible. [District Rule 4570] Federally Enforceable Through Title V Permit
17. Permittee shall measure and document the depth of manure in the corrals at least once every ninety (90) days. [District Rule 4570] Federally Enforceable Through Title V Permit
18. 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] Federally Enforceable Through Title V Permit
19. 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] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-3-7

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

LIQUID MANURE HANDLING SYSTEM CONSISTING OF SETTLING BASIN(S) AND 1 TRANSFER PIT; 4 STORAGE PONDS; LIQUID MANURE IS SENT TO A COVERED DIGESTER LAGOON OPERATED BY S-8965; MANURE IS LAND APPLIED THROUGH FLOOD IRRIGATION, LIQUID INJECTION, SPRINKLER IRRIGATION, AND FURROW IRRIGATION

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. 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] Federally Enforceable Through Title V Permit
3. Permittee shall remove solids with a solid separator system, prior to the manure entering the lagoon. [District Rule 4570] Federally Enforceable Through Title V Permit
4. Permittee shall not allow liquid manure to stand in the fields for more than twenty-four (24) hours after irrigation. [District Rule 4570] Federally Enforceable Through Title V Permit
5. 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] Federally Enforceable Through Title V Permit
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 Rule 4570] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. 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] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-4-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

SOLID MANURE HANDLING CONSISTING OF MANURE STOCK PILES; AERATED STATIC PILE COMPOSTING;
SOLID MANURE APPLICATION TO LAND AND/OR HAULED OFFSITE

PERMIT UNIT REQUIREMENTS

1. If a licensed veterinarian or a certified nutritionist determines that any VOC mitigation measure will be required to be suspended as a detriment to animal health or necessary for the animal to molt, the owners/operators must notify the District in writing within forty-eight (48) hours of the determination including the duration and the specific health condition requiring the mitigation measure to be suspended. If the situation is expected to exist longer than a thirty-day (30) period, the owner/operator shall submit a new emission mitigation plan designating a mitigation measure to be implemented in lieu of the suspended mitigation measure. [District Rule 4570] Federally Enforceable Through Title V Permit
2. 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] Federally Enforceable Through Title V Permit
3. 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] Federally Enforceable Through Title V Permit
4. 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] Federally Enforceable Through Title V Permit
5. Permittee shall incorporate all solid manure within seventy-two (72) hours of land application. [District Rule 4570] Federally Enforceable Through Title V Permit
6. Permittee shall maintain records to demonstrate that all solid manure has been incorporated within seventy-two (72) hours of land application. [District Rule 4570] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-5-3

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

1,720 BHP CATERPILLAR MODEL 3516A S/N 25203650 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be consumed by the engine. [District Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per year. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rules 1070 and 2520 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rules 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
17. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-10-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

375 BHP CATERPILLAR MODEL C-11 S/N GLS00104 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Emissions from this unit shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 0.20 g-VOC/bhp-hr, or 2.6 g-CO/bhp-hr. [District Rule 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. PM10 emissions shall not exceed 0.15 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115]
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. The engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections, change engine oil and filters, replace engine coolant, and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. The permittee shall maintain an engine-operating log that includes, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with Rule 4702. [District Rule 4702]
10. 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 Rule 4702] Federally Enforceable Through Title V Permit
11. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
12. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
13. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-19-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00245 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 3,600 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.82 g-VOC/bhp-hr, or 0.65 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. PM10 emissions shall not exceed 0.075 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections, change engine oil and filters, replace engine coolant, and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain an engine-operating log that includes, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with Rule 4702. [District Rule 4702]
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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 Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-20-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00253 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 3,600 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.82 g-VOC/bhp-hr, or 0.65 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. PM10 emissions shall not exceed 0.075 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections, change engine oil and filters, replace engine coolant, and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain an engine-operating log that includes, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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 Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-21-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00258 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 3,600 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.82 g-VOC/bhp-hr, or 0.65 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. PM10 emissions shall not exceed 0.075 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections, change engine oil and filters, replace engine coolant, and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain an engine-operating log that includes, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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 Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-22-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00261 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 3,600 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.82 g-VOC/bhp-hr, or 0.65 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. PM10 emissions shall not exceed 0.075 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections, change engine oil and filters, replace engine coolant, and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain an engine-operating log that includes, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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 Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-23-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00249 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 3,600 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.82 g-VOC/bhp-hr, or 0.65 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. PM10 emissions shall not exceed 0.075 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections, change engine oil and filters, replace engine coolant, and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain an engine-operating log that includes, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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 Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-24-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00263 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
4. Operation of this engine shall not exceed 3,600 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.82 g-VOC/bhp-hr, or 0.65 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. PM10 emissions shall not exceed 0.075 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections, change engine oil and filters, replace engine coolant, and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain an engine-operating log that includes, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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 Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-25-3

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

AGRICULTURAL GASOLINE DISPENSING OPERATION WITH ONE 500 GALLON PHASE I EXEMPT ABOVEGROUND STORAGE TANK AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE (IMPLEMENTS OF HUSBANDRY)

PERMIT UNIT REQUIREMENTS

1. The storage tank shall be equipped with a permanent submerged fill pipe. [District Rule 4621] Federally Enforceable Through Title V Permit
2. The storage tank shall be used primarily for the fueling of implements of husbandry. [District Rule 4621] Federally Enforceable Through Title V Permit
3. The storage tank shall be maintained and operated such that it is leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
4. All records and data necessary to demonstrate compliance with the requirements of District Rule 4621(12/20/2007) or qualifications for the exemptions allowed in the rule shall be maintained for a minimum of five years and made available onsite during normal business hours to the APCO, ARB, or EPA, and submitted to the APCO, ARB, or EPA upon request. [District Rule 4621] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-26-4

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

FEED STORAGE AND HANDLING CONSISTING OF COMMODITY BARNs AND SILAGE PILES

PERMIT UNIT REQUIREMENTS

1. If a licensed veterinarian or a certified nutritionist determines that any VOC mitigation measure will be required to be suspended as a detriment to animal health or necessary for the animal to molt, the owners/operators must notify the District in writing within forty-eight (48) hours of the determination including the duration and the specific health condition requiring the mitigation measure to be suspended. If the situation is expected to exist longer than a thirty-day (30) period, the owner/operator shall submit a new emission mitigation plan designating a mitigation measure to be implemented in lieu of the suspended mitigation measure. [District Rule 4570] Federally Enforceable Through Title V Permit
2. Permittee shall feed all animals according to National Research Council (NRC) guidelines. [District Rule 4570] Federally Enforceable Through Title V Permit
3. 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] Federally Enforceable Through Title V Permit
4. 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] Federally Enforceable Through Title V Permit
5. 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] Federally Enforceable Through Title V Permit
6. Permittee shall begin feeding total mixed rations within two hours of grinding and mixing rations. [District Rule 4570] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. Permittee shall store grain in a weatherproof storage structure or under a weatherproof covering from October through May. [District Rule 4570] Federally Enforceable Through Title V Permit
9. 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] Federally Enforceable Through Title V Permit
10. 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] Federally Enforceable Through Title V Permit
11. 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] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. For bagged silage/feedstuff, permittee shall utilize a sealed feed storage system (e.g., ag bag). [District Rule 4570] Federally Enforceable Through Title V Permit
13. 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] Federally Enforceable Through Title V Permit
14. 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] Federally Enforceable Through Title V Permit
15. 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] Federally Enforceable Through Title V Permit
16. 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] Federally Enforceable Through Title V Permit
17. 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] Federally Enforceable Through Title V Permit
18. 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] Federally Enforceable Through Title V Permit
19. 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] Federally Enforceable Through Title V Permit
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 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] Federally Enforceable Through Title V Permit
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 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] Federally Enforceable Through Title V Permit
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 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] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. 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 uncompacted material delivered on top of the pile is no more than six (6) inches. [District Rule 4570] Federally Enforceable Through Title V Permit
24. 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] Federally Enforceable Through Title V Permit
25. 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] Federally Enforceable Through Title V Permit
26. 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] Federally Enforceable Through Title V Permit
27. 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] Federally Enforceable Through Title V Permit
28. 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] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-27-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00251 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 3,000 hours per year. [District Rules 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.82 g-VOC/bhp-hr, or 0.65 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. PM10 emissions shall not exceed 0.075 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
10. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections, change engine oil and filters, replace engine coolant, and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall maintain an engine-operating log that includes, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
12. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. 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 Rule 4702] Federally Enforceable Through Title V Permit
14. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
19. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-28-5

EXPIRATION DATE: 07/31/2023

SECTION: 11 **TOWNSHIP:** 31S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK17233 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 3,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-29-5

EXPIRATION DATE: 07/31/2023

SECTION: 14 **TOWNSHIP:** 31S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK17236 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 3,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-30-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00262 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-31-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00252 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-32-5

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK00260 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
18. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-33-2

EXPIRATION DATE: 07/31/2023

EQUIPMENT DESCRIPTION:

850 BHP DETROIT DIESEL MODEL 16V92 S/N 16VF07049 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be consumed by the engine. [District Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per year. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
11. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rules 1070 and 2520, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
15. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
16. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-34-4

EXPIRATION DATE: 07/31/2023

SECTION: 4 **TOWNSHIP:** 31S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK17215 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-35-4

EXPIRATION DATE: 07/31/2023

SECTION: 3 **TOWNSHIP:** 31S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK17226 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-36-4

EXPIRATION DATE: 07/31/2023

SECTION: 3 **TOWNSHIP:** 31S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK17220 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 40 CFR 60.4207(b), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4211(a) and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
13. The permittee shall calculate and maintain records of the total annual PM10 emissions at each well. [District Rule 4102]
14. The total PM10 annual emissions generated from all engines operated at well 7 shall not exceed 153 lbs/year. [District Rule 4102]
15. The total PM10 annual emissions generated from all engines operated at wells 1, 2, 8, 9, 10, and 11 shall not exceed 183 lbs/year. [District Rule 4102]
16. The total PM10 annual emissions generated from all engines operated at wells 5 and 6 shall not exceed 306 lbs/year. [District Rule 4102]
17. The total PM10 annual emissions generated from all engines operated at wells 12, 13, 14, 16, 17, 18, and 19 shall not exceed 407 lbs/year. [District Rule 4102]
18. The total PM10 annual emissions generated from all engines operated at well 3 shall not exceed 869 lbs/year. [District Rule 4102]
19. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-4692-37-4

EXPIRATION DATE: 07/31/2023

SECTION: 9 **TOWNSHIP:** 31S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

385 BHP CATERPILLAR MODEL C13 S/N LGK17225 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201 and 4701] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rules 2201 and 4702, 40 CFR 60.4201(a), 40 CFR 63 Subpart ZZZZ and 17 CCR 93115] Federally Enforceable Through Title V Permit
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