



OCT 09 2017

Mr. Daniel Lee  
Wonderful Pistachios and Almonds  
13646 Highway 33  
Lost Hills, CA 93249-9719

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # S-377  
Project # S-1160316**

Dear Mr. Lee:

The District has issued the Final Renewed Title V Permit for Wonderful Pistachios and Almonds (see enclosure). The preliminary decision for this project was made on August 21, 2017. No comments were received subsequent to the District preliminary decision.

The public notice for issuance of the Final Title V Permit will be published approximately three days from the date of this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Errol Villegas, Permit Services Manager, at (559) 230-5900.

Sincerely,



Arnaud Marjollet  
Director of Permit Services

Enclosures

cc: Tung Le, CARB (w/enclosure) via email  
cc: Gerardo C. Rios, EPA (w/enclosure) via email

Seyed Sadredin  
Executive Director/Air Pollution Control Officer

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

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

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



Facility # S-377  
WONDERFUL PISTACHIOS & ALMONDS  
13646 HIGHWAY 33  
LOST HILLS, CA 93249

### Notice of Permit Issuance

The enclosed permit unit requirements authorize the operation of the equipment as described. These permit unit requirements supersede any and all previous permits for the specified equipment.\* Please insert these documents into the Facility Permit to Operate, and post copies on or near the equipment as required by District Rule 2010.

Please contact any of our Small Business Assistance (SBA) staff at the numbers below if you have any questions:

Modesto:	(209) 557-6446
Fresno:	(559) 230-5888
Bakersfield:	(661) 392-5665

\*Failure to comply with the permit unit requirements may result in enforcement action.

Seyed Sadredin  
Executive Director/Air Pollution Control Officer

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

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
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**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585



# Permit to Operate

**FACILITY:** S-377

**EXPIRATION DATE:** 10/31/2022

**LEGAL OWNER OR OPERATOR:**

WONDERFUL PISTACHIOS & ALMONDS

**MAILING ADDRESS:**

13646 HIGHWAY 33  
LOST HILLS, CA 93249

**FACILITY LOCATION:**

3.5 MILES NORTH OF HWY 46 ON HWY 33  
LOST HILLS, CA

**FACILITY DESCRIPTION:**

TREE NUT PROCESSING FACILITY

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**Seyed Sadredin**  
Executive Director / APCO

**Arnaud Marjollet**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: S-377-0-4

EXPIRATION DATE: 10/31/2022

## FACILITY-WIDE REQUIREMENTS

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1. 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 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. 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 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. 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
4. 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
5. 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
6. 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
7. 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
8. 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
9. 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

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: WONDERFUL PISTACHIOS & ALMONDS  
Location: 3.5 MILES NORTH OF HWY 46 ON HWY 33, LOST HILLS, CA  
S-377-0-4 - Oct 3 2017 5:25PM - GILLESR

10. 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
11. 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
12. 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
13. 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
14. 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
15. 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
16. 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
17. 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
18. 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
19. 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
20. 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
21. 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
22. 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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. 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
24. 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
25. 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
26. 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
27. 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
28. 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
29. 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
30. 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
31. 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
32. 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
33. 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
34. 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
35. 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

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

36. 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
37. 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
38. 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
39. 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 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), 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
40. 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); 4601 (12/17/09); 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
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [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-377-3-26

**EXPIRATION DATE:** 10/31/2022

**SECTION:** 23 **TOWNSHIP:** 26S **RANGE:** 19E

## **EQUIPMENT DESCRIPTION:**

720 MMBTU/HR NATURAL GAS-FIRED PISTACHIO HULLING AND DRYING OPERATION #1 WITH TWENTY FOUR 27.0 MMBTU/HR DRYERS AND FOUR 18.0 MMBTU/HR DRYERS WITH PERMIT-EXEMPT WET PROCESSING EQUIPMENT (PISTACHIO HULLER/PEELER(S), WASH DECK(S), FLOAT TANK(S), WET ASPIRATOR(S) WITH CYCLONE(S) AND/OR EXPANSION BOX(S), GRAVITY DECK(S) AND CLASSIFYING DECK(S) EACH WITH A HIGH EFFICIENCY CYCLONE, ASSOCIATED ELEVATOR(S), HOPPER(S), AUGER(S), AND CONVEYOR(S))

## **PERMIT UNIT REQUIREMENTS**

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1. Column dryers shall be equipped with staggered heaters and fans with premium efficiency electric motors powering fans and augers. [CCR Title 14, Division 6, Chapter 3, Sections 15000-15387 (CEQA)]
2. Operation shall be equipped with seven receiving pits, each with metering conveyors and precleaner feed conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Operation shall be equipped with seven precleaning leaf blowers, each with a 44-inch high-efficiency cyclone, trash discharge conveyor, sampler, and nut discharge conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
4. There shall be no visible emissions in excess of 5% opacity at elevators, augers, conveyors, conveyor transfer points. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Units may only be fired on PUC regulated natural gas. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Annual natural gas consumption for four 18 MMBtu/hr column dryers and twenty four 27 MMBtu/hr column dryers shall not exceed 305 MMscf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Emission rates from dryers listed above shall not exceed any of the following limits: PM10: 0.0025 lb/MMBtu, SO<sub>x</sub> (as SO<sub>2</sub>): 0.00285 lb/MMBtu, NO<sub>x</sub> (as NO<sub>2</sub>): 0.0832 lb/MMBtu, VOC: 0.0038 lb/MMBtu, or CO: 0.021 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Operation shall be equipped with an operational totalizing fuel flow meter serving column type dryers listed above. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Maximum emission rate of PM10 from each of the 44-inch high-efficiency precleaning cyclones listed above shall not exceed 0.08 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Precleaning operation shall not operate more than 1,440 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Disposal of solid and liquid wastes shall not result in odors nor constitute a nuisance. [District Rule 4102]
12. Source with non-combustion particulate emission sampling limit shall be demonstrated by District witnessed sample collection by independent testing laboratory if precleaner cyclones exhibit visible emissions in excess of 5% opacity. [District Rules 1081 and 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. Source testing for particulate emissions shall be performed within 60 days of District determination of excess visible emissions, test results shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
14. Permittee shall maintain records of the volume of fuel used each day and each year. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
15. Permittee shall maintain records of hours of operation of the precleaning cyclones. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Visible emissions at precleaner cyclones shall be inspected quarterly during operation. If visible emissions are observed to be in excess of 5% opacity, corrective action shall be taken to reduce opacity. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
17. Source testing to measure the concentration of particulate matters shall be conducted using EPA Method 5. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
19. Visible emissions at elevators, augers, conveyors, conveyor transfer points shall be inspected annually under material and environmental conditions, such as dry and windy, where high emissions are expected. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance with this requirement is assured by only using PUC regulated natural gas. [Kern County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
22. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520] Federally Enforceable Through Title V Permit
23. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 2201] 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-377-9-8

**EXPIRATION DATE:** 10/31/2022

**SECTION:** 23 **TOWNSHIP:** 26S **RANGE:** 19E

**EQUIPMENT DESCRIPTION:**

PROPYLENE OXIDE FUMIGATION OPERATION WITH ONE 3,428 CUBIC FOOT STERILIZATION CHAMBER EXHAUSTING TO A WET SCRUBBER

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Propylene oxide (PPO) shall be the only fumigant used in this fumigation chamber unless otherwise approved by the District. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All fumigant shall be vented only to the scrubber. [District Rule 2201] Federally Enforceable Through Title V Permit
4. During fumigation operations, the chamber shall be tightly sealed or shall maintain negative pressure sufficient to prevent fumigant leakage. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The control efficiency of the scrubber serving this fumigation operation shall be at least 98% for volatile organic compound (VOC) emissions from propylene oxide. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The scrubber shall be adjusted and maintained to achieve optimum control efficiency according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The scrubber liquid pH shall not exceed 2.0 during all fumigation chamber venting. [District Rule 2201] Federally Enforceable Through Title V Permit
8. 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]
9. The amount of fumigant used in this chamber shall not exceed 270 lb-PPO/cycle. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC emissions from the exhaust of the scrubber, when serving this fumigation chamber, shall not exceed 7.6 lb/day, equivalent to the maximum use of 540 lb-PPO fumigant/day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. VOC emissions from the exhaust of the scrubber, when serving this fumigation chamber and equivalent to a maximum use of 55,750 lb-PPO fumigant/year, shall not exceed 782 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The amount of nuts fumigated in this chamber shall not exceed 50 tons in any one day (equivalent to 25 tons (50,000 pounds) nutmeats/cycle and 2 cycles/day). [District Rule 2201] Federally Enforceable Through Title V Permit
13. The permittee shall monitor the scrubber liquid pH on a daily basis. [40 CFR 64] 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.

14. The permittee shall maintain a record of the daily and cumulative annual (for the calendar year) usage of propylene oxide, and all scrubber pH measurements made. [District Rules 1070 and 2201, and 40 CFR 64] Federally Enforceable Through Title V Permit
15. Records of the amount of nuts (in pounds) fumigated shall be maintained and updated daily. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. 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 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-377-19-31

**EXPIRATION DATE:** 10/31/2022

**SECTION:** 23 **TOWNSHIP:** 25S **RANGE:** 19E

**EQUIPMENT DESCRIPTION:**

631.5 MMBTU/HR NATURAL GAS-FIRED PISTACHIO HULLING AND DRYING OPERATION #2

## PERMIT UNIT REQUIREMENTS

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1. Disposal of solid and liquid wastes shall not result in odors nor constitute a nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. There shall be no visible emissions in excess of 5% opacity at receiving pits, stickreels, conveyors, conveyor transfer points, or trash disposal operations. [District Rule 2201] Federally Enforceable Through Title V Permit
4. There shall be no visible emissions at dryers conveyors aspirators cyclones exhausts. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall be equipped with seven receiving pits, seven receiving discharge conveyors, seven pit discharge conveyors, seven cleated belt stickreel conveyors, and seven 60-inch stickreels. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Operation shall be equipped with seven precleaner leaf blowers, each with one 44-inch high-efficiency cyclone preceded by expansion box. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Operation shall be equipped with precleaner discharge conveyors, incline discharge conveyors, trash conveyors, transfer conveyors, and distribution conveyors. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Operation may be equipped with the following permit exempt equipment: pistachio huller/peelers, wash decks, float tanks, gravity decks each with a high efficiency cyclone, size graders, detwiggers, product reclaim line, wet aspirators with cyclones and/or expansion boxes, electric air compressors, electric compressed air dryers, and associated conveyors, hoppers, and elevators. [District Rule 2010] Federally Enforceable Through Title V Permit
9. Operation shall be equipped with four 28.5 MMBtu/hr bed type pistachio dryers, each equipped with: four modified 5.5 MMBtu/hr burners, one modified 6.5 MMBtu/hr burner, four 40 hp blowers, and one 50 hp blower. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall be equipped with two 28.5 MMBtu/hr bed type pistachio dryers, each equipped with four modified 5.5 MMBtu/hr burners, one modified 6.5 MMBtu/hr burner, two 40 hp blowers, and eight 25 hp blowers. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Operation shall be equipped with one 28.5 MMBtu/hr bed type pistachio dryer equipped with four modified 5.5 MMBtu/hr burners, one modified 6.5 MMBtu/hr burner, two 40 hp blowers, eight 25 hp blowers, and two 40 hp suction fans. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Operation shall be equipped with sixteen 27.0 MMBtu/hr natural gas-fired column type pistachio dryers. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Operation shall be equipped with an operational totalizing fuel flow meter serving bed type dryers listed above. [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.

14. Operation shall be equipped with an operational totalizing fuel flow meter serving column type dryers listed above. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Operation shall be equipped with dryer discharge conveyors, up to two aspirators each with cyclone and 25 hp blower, and incline conveyors. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All stacks shall remain open during normal operation of four 28.5 MMBtu/hr bed type pistachio dryers. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Maximum emission rate of PM10 from each of the precleaner cyclones listed above shall not exceed 0.08 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All combustion equipment shall be fired with PUC regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Maximum daily natural gas consumption of bed type dryers listed above shall not exceed 5.25 MMscf/day. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Maximum annual natural gas consumption of bed type dryers listed above shall not exceed 165 MMscf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Emission rates for bed type dryers listed above shall not exceed any of the following limits: PM10: 23.5 lb/MMscf, SOx (as SO2): 2.85 lb/MMscf, NOx (as NO2): 83.20 lb/MMscf, VOC: 3.8 lb/MMscf or CO: 65.31 lb/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Maximum daily natural gas consumption of column type dryers listed above shall not exceed 7.0 MMscf/day. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Maximum annual natural gas consumption of column type dryers listed above shall not exceed 225 MMscf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Emission rates for column type dryers listed above shall not exceed any of the following limits: PM10: 2.5 lb/MMscf, SOx (as SO2): 2.85 lb/MMscf, NOx (as NO2): 83.20 lb/MMscf, VOC: 3.8 lb/MMscf or CO: 21.0 lb/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
25. The bed type pistachio dryers shall be operated and maintained according to manufacturer's specifications. [District Rule 4309] Federally Enforceable Through Title V Permit
26. Operation of each pre-cleaning line cyclone shall not exceed 1,500 hours per calendar year. [District Rule 4102]
27. The operator shall maintain daily records showing the bed type pistachio dryers are fired exclusively on PUC quality natural gas, and operation and maintenance records demonstrating operation and maintenance according to manufacturer's specifications. [District Rule 4309] Federally Enforceable Through Title V Permit
28. The operator shall maintain on-site during normal business hours a copy of the manufacturer's operation specifications and maintenance instruction manual for the bed-type dryers, or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records of the volume of fuel used each day and each year, and records of pre-cleaner cyclone operation per calendar year. Written documentation shall be made readily available to District for a period of five years. [District Rules 1070 and 4102] Federally Enforceable Through Title V Permit
30. The unit shall be inspected for visible emissions once during the quarter in which the unit operates. If any visible emissions are observed, corrective action shall be taken. If visible emissions cannot be corrected within 2 hours, a visible emissions test using EPA Method 9 shall be conducted within 48 hours. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rules 2201 and 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-377-21-16

**EXPIRATION DATE:** 10/31/2022

**SECTION:** NE23 **TOWNSHIP:** 26S **RANGE:** 19E

## **EQUIPMENT DESCRIPTION:**

528 MMBTU/HR PISTACHIO STORAGE OPERATION WITH ONE HUNDRED SEVENTY SIX 3 MMBTU/HR NATURAL GAS-FIRED HEATERS WITH PERMIT-EXEMPT WET PROCESSING EQUIPMENT (STORAGE BIN(S), SILO(S), BUCKET ELEVATOR(S), SILO DISTRIBUTION CONVEYOR(S), BRIDGE CONVEYOR(S), AND BLANK SHELL STORAGE SILO(S) WITH AUGER(S))

## **PERMIT UNIT REQUIREMENTS**

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1. There shall be no visible emissions in excess of 5% opacity at conveyors, conveyor transfer points or storage equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Maximum daily natural gas consumption of all combustion equipment listed on this permit shall not exceed 3.8 MMscf/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Maximum annual natural gas consumption of all combustion equipment listed on this permit shall not exceed 25.0 MMscf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Emission rates for all heaters listed on this permit shall not exceed any of the following limits: PM10: 2.5 lb/MMscf, SOx (as SO2): 2.85 lb/MMscf, NOx (as NO2): 83.20 lb/MMscf, VOC: 3.8 lb/MMscf or CO: 21.0 lb/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Heaters shall be equipped with an operational totalizing fuel meter as required to demonstrate compliance with fuel consumption limits. [District Rule 2201] Federally Enforceable Through Title V Permit
6. All combustion equipment shall be fired with natural gas, consisting primarily of methane and ethane, with sulfur content no higher than 1.0 grains/100 scf. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Visible emissions at conveyors, conveyor transfer points, and storage equipment shall be inspected annually under material and environmental conditions, such as dry and windy, where high emissions are expected. [District Rule 2520] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
9. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance with this requirement is assured by only using PUC quality natural gas. [Kern County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
10. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520] Federally Enforceable Through Title V Permit
11. Permittee shall maintain records of the volume of fuel used each day and each year. [District Rules 1070 and 2520] 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 Rules 1070 and 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-377-34-7

**EXPIRATION DATE:** 10/31/2022

**SECTION:** NE23 **TOWNSHIP:** 26S **RANGE:** 19E

**EQUIPMENT DESCRIPTION:**

21 MMBTU/HR CLEAVER BROOKS MODEL CB700X (500 HP) NATURAL GAS-FIRED BOILER WITH A NT1700-500 ULTRA LOW NOX BURNER

## PERMIT UNIT REQUIREMENTS

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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. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rules 4201 and 4301] Federally Enforceable Through Title V Permit
4. Unit shall be only fired on PUC-regulated natural gas. [District Rules 2201 and 4301 and 40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit
5. The duration of start-up or shutdown shall not exceed two hours each per occurrence. During start-up or shutdown, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. The operator shall maintain daily records of the duration of start-up and shutdown periods. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. Start-up is defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. Shutdown is defined as the period of time during which a unit is taken from an operational to a non-operational status by allowing it to cool down from its operating temperature to ambient temperature as the fuel supply to the unit is completely turned off. [District Rule 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
7. Except during startup and shutdown periods emissions rates from the natural gas-fired unit shall not exceed any of the following limits: 7 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.008 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.005 lb-PM<sub>10</sub>/MMBtu, 50 ppmv CO @ 3% O<sub>2</sub> or 0.037 lb-CO/MMBtu, or 0.0028 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
8. Operator shall provide that fuel h<sub>h</sub>v be certified by third party fuel supplier or determined annually by: ASTM D 240 or D 2382 for liquid hydrocarbon fuels; ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rules 2520, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
9. The source plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306, and 4320] 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.

10. This unit shall be tested for compliance with the NO<sub>x</sub> and CO emissions limits at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
11. Nitrogen oxide (NO<sub>x</sub>) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O<sub>2</sub> and lb/MMBtu rates shall be calculated as lb NO<sub>2</sub>/MMBtu of heat input (hhv). [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 1081, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
14. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
15. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
16. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rules 1081, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
17. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
19. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306, and 4320] 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.



21. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
23. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520] Federally Enforceable Through Title V Permit
24. The permittee shall install and maintain an operational non-resettable, totalizing mass or volumetric fuel flow meter to measure the quantity of natural gas combusted in this unit. Volumetric flow measurements shall be periodically compensated for temperature and pressure. [District Rule 2080 and 40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit
25. The permittee shall maintain monthly records of the volume (scf) of natural gas combusted in this unit. [District Rule 1070 and 40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit
26. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
27. 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 Rules 2520, 1070, 4305, 4306, and 4320 and 40 CFR 60, Subpart Dc] Federally Enforceable Through Title V Permit
28. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 405 (Madera), 408 and 409 (Kern), and 408 (all six remaining counties in the San Joaquin Valley); Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
29. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
30. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). [District Rule 2520] Federally Enforceable Through Title V Permit
31. The requirements of 40 CFR 72.6(b) are not applicable because this is not an affected unit under the acid rain provisions. The requirements of 40 CFR 60.40c do not apply to this source because it is not used to produce electricity for sale. A permit shield is granted from these requirements. [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-377-35-5

**EXPIRATION DATE:** 10/31/2022

**SECTION:** NE23 **TOWNSHIP:** 26S **RANGE:** 19E

**EQUIPMENT DESCRIPTION:**

99.5 BHP EMERGENCY STANDBY NATURAL GAS-FIRED IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with an operational non-resettable elapsed operating time meter. [District Rule 4702 and 40 CFR 63, Subpart ZZZZ] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The engine shall burn only PUC regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
5. 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 Rules 2201 and 4702 and 40 CFR 63, Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance with this requirement is assured by only using PUC regulated natural gas. [Kern County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. 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
9. 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] 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 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
12. 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
13. The engine's spark plugs 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]
14. 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
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. [40 CFR 63, Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63, Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. 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-377-37-5

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

188 BHP CLARKE MODIFIED DETROIT MODEL #DDFP-04AT DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] 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 operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Emissions shall not exceed 17.3 g-NOx/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115 and 40 CFR 63, Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. 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] 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 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115 and 40 CFR 63, Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. 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, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). 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 Rules 2520 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. 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.

12. 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
13. 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
14. 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
15. 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
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. [40 CFR 63, Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63, Subpart ZZZZ] 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 Rules 2520 and 4702 and 17 CCR 93115 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-377-39-6

**EXPIRATION DATE:** 10/31/2022

**SECTION:** NE23 **TOWNSHIP:** 26S **RANGE:** 19E

**EQUIPMENT DESCRIPTION:**

3.2 MMBTU/HR NATURAL GAS-FIRED SAMPLE DRYING OPERATION WITH FOUR MODULAR SAMPLE DRYERS EACH EQUIPPED WITH ONE 0.8 MMBTU/HR NP-LE AIRFLOW BURNER

## PERMIT UNIT REQUIREMENTS

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1. Total annual natural gas consumption for all dryers listed on this permit shall not exceed 6.0 MMscf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Emission rates for each dryer listed on this permit shall not exceed any of the following limits: PM10: 5.0 lb/MMscf, SOx (as SO2): 2.85 lb/MMscf, NOx (as NO2): 83.20 lb/MMscf, VOC: 5.8 lb/MMscf or CO: 21.0 lb/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Dryers shall be equipped with an operational totalizing fuel flow meter to demonstrate compliance with fuel consumption limits. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall maintain records of the volume of fuel used each day and each year. [District Rule 2520] Federally Enforceable Through Title V Permit
5. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance with this requirement is assured by only using PUC regulated natural gas. [District Rules 2201 and 4801 and Kern County Rule 407] Federally Enforceable Through Title V Permit
6. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
7. Operator shall maintain copies of fuel invoices and supplier certifications. [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-377-40-16

**EXPIRATION DATE:** 10/31/2022

**SECTION:** NE23 **TOWNSHIP:** 26S **RANGE:** 19E

## **EQUIPMENT DESCRIPTION:**

18.62 MMBTU/HR NATURAL GAS-FIRED ALMOND FINISHING, FLAVORING, AND PACKAGING OPERATION WITH ONE 0.32 MMBTU/HR PLASTICIZER (WITH 32 BURNERS), THREE INCUS 2.5 MMBTU/HR DIRECT-FIRED DRYERS, ONE 3.6 MMBTU/HR PROCTOR SCHWARTZ DRYER #2 (WITH TWO BURNERS), ONE 3.6 MMBTU/HR AEROGLIDE NUT DRYER #2 (WITH TWO BURNERS) VENTED TO A CYCLONE, ONE 4.0 MMBTU/HR AEROGLIDE NUT DRYER #3 VENTED TO TWO CYCLONE ASSEMBLIES, AND ASSOCIATED PERMIT-EXEMPT EQUIPMENT

## **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. Almond finishing and packaging operation shall be equipped with two operational non-resettable totalizing fuel meters: one serving the plasticizer and dryer serving the slicer/sliver line and one serving the two roasters, to show compliance with the fuel usage limits set forth in this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Combustion equipment shall be equipped with operational non-resettable, totalizing fuel meters to demonstrate compliance with fuel consumption limits. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All burners shall only be fired on PUC regulated natural gas. [Kern County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
5. Emissions from the Incus dryers shall not exceed any of the following limits: 10.9 lb-NOX/MMscf (as NO<sub>2</sub>), 2.85 lb-SOX/MMscf (as SO<sub>2</sub>), 2.8 lb-PM<sub>10</sub>/MMscf, 147.8 lb-CO/MMscf, or 3.8 lb-VOC/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from the Proctor Schwartz #2 and Aeroglide #2 dryers shall not exceed any of the following limits: 36.0 lb-NOX/MMscf (as NO<sub>2</sub>), 2.85 lb-SOX/MMscf (as SO<sub>2</sub>), 7.6 lb-PM<sub>10</sub>/MMscf, 21.0 lb-CO/MMscf, or 5.5 lb-VOC/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Proctor Schwartz #2 and Aeroglide Dryer #2 natural gas usage shall not exceed either of the following limits: 163,200 scf/day or 37.15 MMscf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from 4 MMBtu/hr Aeroglide #3 dryer shall not exceed any of the following limits: 83.2 lb-NOX/MMscf (as NO<sub>2</sub>), 2.85 lb-SOX/MMscf (as SO<sub>2</sub>), 2.8 lb-PM<sub>10</sub>/MMscf, 21.0 lb-CO/MMscf, or 3.8 lb-VOC/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Aeroglide # 3 natural gas usage shall not exceed either of the following limits: 96,000 scf/day or 30 MMscf/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the plasticizer and dryer serving the slicer/sliver line shall not exceed any of the following limits: 44.0 lb-NOx/MMscf, 2.85 lb-SOx/MMscf, 5.0 lb-PM<sub>10</sub>/MMscf, 8.6 lb-CO/MMscf, or 5.8 lb-VOC/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Slicer and sliver lines (two plasticizers and two dryers) natural gas usage shall not exceed either of the following limits: 103,500 scf/day and 10.0 MMscf/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. Three 2.5 MMBtu Incus dryers' combined natural gas usage shall not exceed either of the following limits: 180,000 scf/day or 56.31 MMscf/year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of daily and annual natural gas consumption shall be maintained. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
14. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070 and 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-377-41-5

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

HYDROGEN PHOSPHIDE (PHOSPHINE GAS) AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION OPERATION CONDUCTED IN SILOS, BIN STACKS, AND FUMIGATION BUILDING

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. 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 4102]
3. The fumigation stacks shall be air tight during the fumigation process. [District Rule 4102]
4. Spent fumigant shall be vented in a manner which is adequate to prevent any hazard to human health, plant or animal life. [District Rule 4102]
5. Daily emissions of phosphine (hydrogen phosphide) shall not exceed 350 lbs (equivalent to 1,100 lbs-aluminum phosphide fumigant). [District Rule 4102]
6. Annual emissions of phosphine (hydrogen phosphide) shall not exceed 10,000 lbs (equivalent to 32,000 lbs-aluminum phosphide fumigant). [District Rule 4102]
7. Profume (sulfuryl fluoride) usage shall not exceed either of the following limits: 12,000 lbs/day or 40,000 lbs/year. [District Rule 4102]
8. Daily and annual records of the quantity of fumigant usage shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 1070]
9. Facility compliance with AB 2588 (Air Toxics "Hot Spots" Information and Assessment Act) is required once OEHHA adopts a REL Value for Sulfuryl Fluoride. [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-377-43-4

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)

## PERMIT UNIT REQUIREMENTS

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1. Fumigation chamber is authorized to operate only at the following facilities: S-377 (Lost Hills location) and S-713 (King location). [District Rule 2010] Federally Enforceable Through Title V Permit
2. 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 4102]
3. Profume (sulfuryl fluoride) usage shall not exceed either of the following limits: 12,000 lb/day or 40,000 lb/year. [District Rule 4102]
4. Permittee shall maintain accurate records of fumigations. Records shall include the amount and type of fumigant used, location, and the date of fumigation. Records shall be retained for a period of at least five years and provided to the District upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
5. Facility compliance with AB 2588 (Air Toxics "Hot Spots" Information and Assessment Act) is required once OEHHA adopts a REL Value for Sulfuryl Fluoride. [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-377-44-4

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)

## PERMIT UNIT REQUIREMENTS

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1. Fumigation chamber is authorized to operate only at the following facilities: S-377 (Lost Hills location) and S-713 (King location). [District Rule 2010] Federally Enforceable Through Title V Permit
2. 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 4102]
3. Profume (sulfuryl fluoride) usage shall not exceed either of the following limits: 12,000 lb/day or 40,000 lb/year. [District Rule 4102]
4. Permittee shall maintain accurate records of fumigations. Records shall include the amount and type of fumigant used, location, and the date of fumigation. Records shall be retained for a period of at least five years and provided to the District upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
5. Facility compliance with AB 2588 (Air Toxics "Hot Spots" Information and Assessment Act) is required once OEHHA adopts a REL Value for Sulfuryl Fluoride. [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-377-45-4

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)

## PERMIT UNIT REQUIREMENTS

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1. Fumigation chamber is authorized to operate only at the following facilities: S-377 (Lost Hills location) and S-713 (King location). [District Rule 2010] Federally Enforceable Through Title V Permit
2. 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 4102]
3. Profume (sulfuryl fluoride) usage shall not exceed either of the following limits: 12,000 lb/day or 40,000 lb/year. [District Rule 4102]
4. Permittee shall maintain accurate records of fumigations. Records shall include the amount and type of fumigant used, location, and the date of fumigation. Records shall be retained for a period of at least five years and provided to the District upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
5. Facility compliance with AB 2588 (Air Toxics "Hot Spots" Information and Assessment Act) is required once OEHHA adopts a REL Value for Sulfuryl Fluoride. [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-377-46-4

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)

## PERMIT UNIT REQUIREMENTS

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1. Fumigation chamber is authorized to operate only at the following facilities: S-377 (Lost Hills location) and S-713 (King location). [District Rule 2010] Federally Enforceable Through Title V Permit
2. 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 4102]
3. Profume (sulfuryl fluoride) usage shall not exceed either of the following limits: 12,000 lb/day or 40,000 lb/year. [District Rule 4102]
4. Permittee shall maintain accurate records of fumigations. Records shall include the amount and type of fumigant used, location, and the date of fumigation. Records shall be retained for a period of at least five years and provided to the District upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
5. Facility compliance with AB 2588 (Air Toxics "Hot Spots" Information and Assessment Act) is required once OEHHA adopts a REL Value for Sulfuryl Fluoride. [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-377-47-7

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

3.0 MMBTU/HR NATURAL GAS-FIRED ARTIFICIAL PISTACHIO OPENING OPERATION WITH FOUR 4.0 MMBTU/HR HEATERS DERATED BY ORIFICE DISK TO 0.75 MMBTU/HR EACH, AND WITH PERMIT-EXEMPT WET PROCESSING EQUIPMENT (STORAGE TANK(S), SCALPER(S), DESTONER(S), COLOR SORTER(S), SIZE GRADER(S), PRE-MISTER(S), SPLITTER(S), AIR LEG(S) WITH SOCK FILTER(S), MISTING DRUM(S), NEEDLE PICKER(S), DRYING SILO(S) AND HAND SORTING TABLE(S))

## PERMIT UNIT REQUIREMENTS

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1. Combustion equipment shall be fired on PUC regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
2. Daily natural gas consumption shall not exceed 0.07 MMscf/day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual natural gas consumption shall not exceed 10.0 MMscf/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Emission rate per MMscf gas burned shall not exceed any of the following limits: PM10: 2.8 lb/MMscf, SOx as (SO2): 2.85 lb/MMscf, NOx (as NO2): 83.2 lb/MMscf, VOC: 3.8 lb/MMscf, or CO: 21.0 lb/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Combustion equipment shall be equipped with operational non-resettable, totalizing fuel meters to demonstrate compliance with fuel consumption limits. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Permittee shall maintain daily records of volume of fuel usage and fuel meter identification. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520] Federally Enforceable Through Title V Permit
8. 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 1070]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-377-49-4

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

COATING OPERATION FOR CARBON STEEL SUBSTRATES USING ELECTROSTATIC SPRAY GUN, A PAINT SPRAY BOOTH WITH DRY EXHAUST FILTERS, AND AN ENCLOSED GUN CLEANER

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] 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. VOC emissions from the coating operation shall not exceed either of the following limits: 23.7 lb/day or 1,539 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter (PM10) emission rate (including painting and priming) shall not exceed either of the following limits: 5.8 lb/day or 376 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The metal parts and products coating operation shall not be operated more than 16 hours/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush or continuous coating application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rule 4603] Federally Enforceable Through Title V Permit
7. Permittee shall demonstrate that HVLP guns manufactured prior to 1/1/96 operate between 0.1 and 10 psig air atomizing pressure, by manufacturer's published technical material or by use of a certified air pressure tip gauge. [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed the following limit: air-dried coating: 340 g/l (2.8 lb/gal). [District Rules 2201 and 4603] Federally Enforceable Through Title V Permit
9. VOC content of solvents used shall not exceed any of the following limits: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning: 25 g/l (0.21 lb/gal), or cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. Cleaning activities that use solvents with a VOC content greater than 25 g/l (0.21 lb/gallon) shall be performed by one or more of the following methods: wipe cleaning; application of solvent from hand-held spray bottles from which solvents are dispensed without a propellant-induced force; non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container; or solvent flushing method in which the cleaning solvent is discharged into a container that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged solvent from the equipment must be collected into containers without atomizing into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4603] 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. All painting, including application of primer, shall be conducted inside the booth with filters in place, fan(s) operating, and doors closed. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall not use VOC containing materials to clean spray equipment unless an enclosed system, or equipment proven to be equally effective at controlling emissions, is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4603] Federally Enforceable Through Title V Permit
13. The permittee shall dispose the fresh or spent solvents, waste solvent cleaning material such as cloth, paper, etc., coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty [District Rule 4603] Federally Enforceable Through Title V Permit
14. Permittee shall maintain daily records of the following: hours of operation of the coating operation and use of the natural gas-fired drying burner; volume of coatings applied; VOC content of each coating as applied; and purchase and usage of each specific solvent, showing the date, type and volume purchased or used. [District Rules 2201 and 4603] Federally Enforceable Through Title V Permit
15. Permittee shall keep the following records for solvent cleaning activities: manufacturers product data sheet or MSDS of solvents used, VOC content of solvents in g/l or lb/gal, and the type of cleaning activity for which each solvent is used. [District Rules 2201 and 4603] Federally Enforceable Through Title V Permit
16. The material safety data sheets (MSDS) that display VOC content of each coating used shall be kept on the premise at all times. [District Rule 4603] Federally Enforceable Through Title V Permit
17. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 2201 and 4603] 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-377-50-5

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

41.0 MMBTU/HR NATURAL GAS-FIRED PISTACHIO NUT FLAVORING AND DRYING OPERATION CONSISTING OF SIX 6 MMBTU/HR ROTARY ROASTERS EACH EQUIPPED WITH A HIGH-EFFICIENCY CYCLONE, ANDERSON 2000 WET SCRUBBER, AND INDUCED DRAFT FAN AND ONE 5.0 MMBTU/HR BED ROASTER SERVED BY A BAGHOUSE

## PERMIT UNIT REQUIREMENTS

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1. Combustion equipment shall be fired on PUC quality natural gas only. [District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
2. Combustion equipment shall be equipped with operational non-resettable, totalizing fuel meters to demonstrate compliance with fuel consumption limits. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse shall be equipped with an operational differential pressure indicator. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
7. The baghouse filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
8. Records of baghouse maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit
9. Roasters shall be operated and maintained in proper operating condition as recommended by the roaster manufacturer or APCO-approved alternative procedures. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Materials removed from the baghouse shall be disposed of in a manner preventing re-entrainment into atmosphere, with an opacity not to exceed 20%. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The exhaust stacks 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. Non-combustion PM10 emission rate from the outlet of the baghouse serving the 5 MMBtu/hr bed roaster shall not exceed 0.01 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
13. PM10 emission rate from the outlet of each scrubber serving the 6.0 MMBtu/hr rotary roasters shall not exceed 0.04 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Daily natural gas consumption shall not exceed 1.83 MMscf/day. [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.

15. Annual natural gas consumption shall not exceed 165.0 MMscf/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Rotary roaster emission rate per MMscf gas burned shall not exceed any of the following limits: PM10: 2.8 lb/MMscf, SOx as (SO2): 2.85 lb/MMscf, NOx (as NO2): 83.2 lb/MMscf, VOC: 3.8 lb/MMscf, or CO: 21.0 lb/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Bed roaster emission rate per MMscf gas burned shall not exceed any of the following limits: PM10: 2.8 lb/MMscf, SOx as (SO2): 2.85 lb/MMscf, NOx (as NO2): 36.0 lb/MMscf, VOC: 3.8 lb/MMscf, or CO: 21.0 lb/MMscf. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
19. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.31 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
20. The permittee shall maintain daily records of the volume of fuel usage for any one day (in MMscf) and the fuel meter identification. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The permittee shall maintain cumulative annual records of the volume of fuel usage for any one calendar year (in MMscf) and the fuel meter identification. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Permittee shall maintain daily operation and maintenance records that demonstrate that roasters are operated within the limits of the manufacturer's specification, and maintenance is performed according to the manufacturer's recommendation or APCO-approved alternative procedures. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
23. A copy of the manufacturer's operation specifications and maintenance instruction manual or APCO-approved alternative procedures shall be maintained on-site during normal business hours. [District Rule 1070]
24. 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 1070]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-377-52-1

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

PISTACHIO SHELLING OPERATION WITH A BIN DUMPER(S), DESTONER(S), DETWIGGER(S), SIZERS/SCALPERS, SOFT SHELL CRACKERS, HARD SHELL CRACKERS, CLOSED LOOP AIR HANDLING SYSTEMS DISCHARGING THROUGH CYCLONE ASSEMBLIES SERVING CLASSIFICATION DECKS, 83,000 CFM FABRIC DUST COLLECTOR SERVING ASPIRATORS, AND ASSOCIATED ELEVATORS, AND AUGERS, AND CONVEYORS

## PERMIT UNIT REQUIREMENTS

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1. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
2. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of inspection. [40 CFR Part 64] Federally Enforceable Through Title V Permit
3. Visible emissions from baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2080] Federally Enforceable Through Title V Permit
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2080] Federally Enforceable Through Title V Permit
7. Material removed from the dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions shall not exceed 15.4 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed 0.0009 grains/dscf in concentration. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Visible emissions from the baghouse shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once during each day that the baghouse is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions as expeditiously as possible. Corrective action shall include the following: inspecting the baghouse for any tears, abrasions, or holes in the filters; inspecting the baghouse for damage; and repairing or replacing any defective or damaged material. [40 CFR Part 64] Federally Enforceable Through Title V Permit
11. During each day the baghouse operates, the permittee shall record the differential pressure of the baghouse and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. Records of all baghouse maintenance (including all change outs of filter media), inspections, and repair shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
13. Daily and annual records of pistachio nuts processed shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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-377-54-2

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

305 BHP JOHN DEERE MODEL JU6H-UFADX8 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE  
POWERING A FIREWATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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]
3. 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 60, Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115 and 40 CFR 60, Subpart IIII] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115 and 40 CFR 60, Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.7 g-NO<sub>x</sub>/bhp-hr, 0.4 g-CO/bhp-hr, or 0.1 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115 and 40 CFR 60, Subpart IIII] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.06 g-PM<sub>10</sub>/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115 and 40 CFR 60, Subpart IIII] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and to preserve or protect property, human life, or public health during a fire. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115 and 40 CFR 60, Subpart IIII] Federally Enforceable Through Title V Permit
9. 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, emergency firefighting, 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
10. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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11. 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 17 CCR 93115] 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-377-55-1

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

INDOOR PROPYLENE OXIDE OFF-GASSING OPERATION WITH TWO EXHAUST FANS IN A BUILDING  
APPROXIMATELY 59 FT (L) X 39 FT (W) X 23 FT (H)

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. All off-gassing for the propylene oxide (PPO) fumigation operation shall be conducted inside the enclosed off-gas warehouse with exhaust fan operating and doors closed when not transferring nuts to and from the warehouse. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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]
4. The amount of fumigant used in the fumigation chamber shall not exceed 270 lb-PPO/cycle. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The amount of fumigated nuts transferred to this warehouse from the fumigation chamber shall not exceed 50 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The amount of fumigated nuts stored in this warehouse for off-gassing shall not exceed 10,324,104 pounds in one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC (PPO) emissions from this operation shall not exceed 39.6 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Records of the amount of nuts (in pounds) transferred to the post-fumigation off-gassing warehouse shall be maintained and updated daily. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
9. 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 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-377-56-1

**EXPIRATION DATE:** 10/31/2022

**EQUIPMENT DESCRIPTION:**

189 BHP (INTERMITTENT) OLYMPIAN MODEL G130LG RICH-BURN NATURAL GAS-FIRED EMERGENCY STANDBY IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. 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]
2. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 40 CFR 60, Subpart JJJJ] Federally Enforceable Through Title V Permit
3. Emissions from this IC engine shall not exceed any of the following limits: 0.05 g-NOx/bhp-hr, 0.022 g-PM10/bhp-hr, 0.92 g-CO/bhp-hr, or 0.06 g-VOC/bhp-hr. [District Rule 2201 and 40 CFR 60, Subpart JJJJ] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
7. 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
8. 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
9. This IC engine shall be equipped with a three-way catalyst and shall be fired on natural gas fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
10. 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 60, Subpart JJJJ] Federally Enforceable Through Title V Permit
11. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. 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
13. The permittee shall maintain records if all maintenance conducted on the engine and shall maintain documentation from the engine manufacturer that the engine is a certified engine. [40 CFR 60, Subpart JJJJ] Federally Enforceable Through Title V Permit
14. 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

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