

AUG 21 2017

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

**Re: Notice of Preliminary Decision – Title V Permit Renewal
District Facility # S-0377
Project # S-1160316**


Dear Mr. Lee:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Wonderful Pistachios and Almonds at 13646 Highway 33 Lost Hills, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the renewed Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

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 Marjolle
Director of Permit Services

Enclosures

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

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**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
Wonderful Pistachios and Almonds
S-0377**

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TITLE V PERMIT RENEWAL EVALUATION
Tree Nut Processing

Engineer: Robert Gilles
Date: July 26, 2017

Facility Number: S-0377
Facility Name: Wonderful Pistachios and Almonds
Mailing Address: 13646 Highway 33
Lost Hills, CA 93249-9719

Contact Name: Daniel Lee
Phone: (559) 797-6500

Responsible Official: Dave Szeflin
Title: Vice President of Operations

Project # : S-1160316
Deemed Complete: February 16, 2016

I. PROPOSAL

Wonderful Pistachios and Almonds was issued a renewed Title V permit on September 28, 2011. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to determine if the facility will comply with these updated requirements. It also specifically identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

II. FACILITY LOCATION

Wonderful Pistachios and Almonds is located at 13626 Highway 33 in Lost Hills, CA.

III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is included as Attachment C.

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant is requesting to use the following model general permit Templates:

A. Template SJV-UM-0-3 Facility Wide Umbrella

The applicant has requested to utilize template No. SJV-UM-0-3, Facility Wide Umbrella. Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

V. SCOPE OF EPA AND PUBLIC REVIEW

Certain segments of the proposed Renewed Operating Permit are based on a model general permit template that has been previously subject to EPA and public review. The terms and conditions from the model general permit template is included in the proposed permit and is not subject to further EPA and public review.

For permit applications utilizing model general permit templates, public and agency comments on the District's proposed actions are limited to the applicant's eligibility for the model general permit template, applicable requirements not covered by the model general permit template, and the applicable procedural requirements for issuance of Title V Operating Permits.

The following permit conditions, including their underlying applicable requirements, originate from a model general permit template and are not subject to further EPA or public review.

- Conditions 1 through 40 of the requirements for permit unit S-377-0-4.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated and Evaluated

The following rules are updated since the previous renewed Title V permit was issued on September 28, 2011 or are evaluated in this renewal.

- District Rule 2020, Exemptions (amended August 18, 2011 ⇒ amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended April 21, 2011 ⇒ amended February 18, 2016)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001)
- District Rule 4701, Internal Combustion Engines – Phase 1 (amended August 21, 2003)
- District Rule 4702, Internal Combustion Engines (amended November 14, 2013)
- 40 CFR Part 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (amended February 16, 2012)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended January 30, 2013 ⇒ amended July 7, 2016)
- 40 CFR Part 60, Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (amended January 30, 2013 ⇒ amended August 30, 2016)
- 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended January 30, 2013 ⇒ amended March 6, 2013 ⇒ amended February 27, 2014)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (adopted October 22, 1997)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended June 25, 2013)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended May 23, 2014 ⇒ amended October 28, 2014 ⇒ amended November 11, 2016 ⇒ amended December 1, 2016)

B. Rules Removed

There are no applicable rules that were removed since the previous renewed Title V permit was issued on September 28, 2011.

C. Rules Added

The following rules have been added since the previous renewed Title V permit was issued on September 28, 2011.

- District Rule 2410, Prevention of Significant Deterioration (adopted June 16, 2011; effective November 26, 2012)

D. Rules Not Updated

The following rules have not been updated since the previous renewed Title V permit was issued on September 28, 2011.

- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate (amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment (amended December 17, 1992)
- District Rule 4305, Boilers, Steam Generators, and Process Heaters - Phase 2 (amended August 21, 2003)

- District Rule 4306, Boilers, Steam Generators, and Process Heaters - Phase 3 (amended October 16, 2008)
- District Rule 4309, Dryers, Dehydrators, and Ovens (adopted December 15, 2005)
- District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr (adopted October 16, 2008)
- District Rule 4601, Architectural Coatings (amended December 17, 2009)
- District Rule 4603, Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts (amended September 17, 2009)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)
- District Rule 8011, Fugitive Dust General Requirements (amended August 19, 2004)
- District Rule 8021, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Construction, Demolition, Excavation, and Extraction Activities (amended August 19, 2004)
- District Rule 8031, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Handling and Storage of Bulk Materials (amended August 19, 2004)
- District Rule 8041, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Open Area (amended August 19, 2004)
- District Rule 8061, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Unpaved Vehicle/Equipment Areas (amended September 16, 2004)

- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)
- 40 CFR Part 68, Chemical Accident Prevention Provisions (amended April 9, 2004)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating Permits. The terms and conditions that are part of the facility's Title V permit are designated as "Federally Enforceable Through Title V Permit".

For this facility, the following are not federally enforceable and will not be discussed in further detail.

A. Rules Added/Updated

There are no applicable rules that were added or updated since the previous renewed Title V permit was issued on September 28, 2011.

B. Rules Not Updated

The following rules have not been updated since the previous renewed Title V permit was issued on September 28, 2011.

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 4102, Nuisance (amended December 17, 1992)
- California Code of Regulations (CCR) Title 14, Division 6, Chapter 3, Sections 15000-15387 (CEQA)
- California Code of Regulations (CCR) Title 17, Division 3, Chapter 1, Subchapter 7.5, Section 93115, Airborne Toxic Control Measure for Stationary Compression Ignition Engines (amended May 19, 2011)

VIII. PERMIT REQUIREMENTS

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will address rules that have been amended or added since the issuance of the most recently renewed Title V operating permit. Additionally, rules that were not thoroughly discussed in the previous Title V renewal evaluation will be addressed in this renewal evaluation.

A. District Rule 2020 – Exemptions

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions.

District Rule 2020 was last amended on December 18, 2014. The primary purpose of the amendments was to: clarify alignment of District Rule 2020 with the California Air Resources Board's (ARB) Portable Equipment Registration Program (PERP); exempt certain oilfield tanks with insignificant emissions; and, update standardized testing provisions. Since the amendments to District Rule 2020 do not affect the requirements for the permit units at this site and no additional conditions are required, the changes will not be addressed further in this evaluation.

B. District Rule 2201 – New and Modified Stationary Source Review (NSR) Rule

District Rule 2201 has been amended since this Title V permit was last renewed. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit. Therefore, no further discussion of GHG in this evaluation is required.

C. District Rule 2410 – Prevention of Significant Deterioration (PSD)

District Rule 2410 has been newly adopted since this Title V permit was last renewed. However the requirements of this rule are only triggered at the time the source undergoes a modification. This source has never been subject to this rule, therefore there are no PSD permit applicable requirements to include in the Title V permit.

D. District Rule 2520 – Federally Mandated Operating Permits

This rule has not be amended since this Title V permit was last renewed; however, greenhouse gas emissions were not addressed previously and will therefore be addressed during this renewal.

Greenhouse Gas Discussion

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting Rule (40 CFR Part 98) is not included in the definition of an applicable requirement within Title V (per 40 CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

E. District Rule 4701 – Internal Combustion Engines – Phase 1

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. Except as provided in Section 4.0, the provisions of this rule apply to any internal combustion engine, rated greater than 50 bhp that requires a Permit to Operate (PTO).

Compliance with the requirements of this rule for permit units S-377-35, -37, -54, and, -56 was not demonstrated with the last Title V renewal; therefore, this rule will be evaluated with this renewal.

Pursuant to Section 2.0 of District Rule 4701, the two natural gas-fired emergency standby IC engines (PTOs S-377-35 and -56) and the two diesel-fired emergency standby IC engines (PTOs S-377-37 and -54) are subject to the requirements of this rule. Additionally, the four engines are subject to the requirements of District Rule 4702 – Internal Combustion Engines. Since the emissions limits of District Rule 4702 and all other requirements are equivalent to or more stringent than District Rule 4701 requirements, compliance with the requirements of District Rule 4702 satisfies requirements of District Rule 4701. Compliance with Rule 4702 is discussed in the following section (Section F) of this evaluation. No further discussion is required for Rule 4701.

F. District Rule 4702 – Internal Combustion Engines

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SO_x) from internal combustion engines. This rule applies to any internal combustion engine rated at 25 brake horsepower or greater. Compliance with the requirements of this rule for permit units S-377-35 -37, -54, -56 was evaluated previously and applicable requirements were incorporated into Title V permit.

This rule has been amended since this Title V permit was last renewed. The amendments to this rule affected Sections 3.37, 5.2, 5.10.2, 7.5.2.1, and 7.6.2.2 and were administrative clarifications of existing rule requirements and did not result in

new, more stringent, or relaxed regulatory controls and did not affect air quality or emissions limitations.

Further, pursuant to Section 4.2 of District Rule 4702, except for the requirements of Sections 5.9 and 6.2.3, the requirements of this rule do not apply to an emergency standby engine or a low-use engine provided that the engine is operated with an operating nonresettable elapsed time meter. Since the four engines at this facility (units -35, -37, -54, and -56) are emergency engines and are equipped with elapsed time meters, the engines are not subject to any of the amended sections of the rule.

a. S-377-35-5: 99.5 BHP EMERGENCY STANDBY NATURAL GAS-FIRED IC ENGINE POWERING AN ELECTRICAL GENERATOR

- Condition 2 of the requirements for the draft renewed Title V operating permit ensures compliance with the requirements of this rule.

b. S-377-37-5: 188 BHP CLARKE MODIFIED DETROIT MODEL #DDFP-04AT DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

- Condition 5 of the requirements for the draft renewed Title V operating permit replaces condition 5 of the requirements for the previous Title V operating permit and ensures compliance with the requirements of this rule.

c. S-377-54-2: 305 BHP JOHN DEERE MODEL JU6H-UFADX8 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

- Condition 5 of the requirements for the draft renewed Title V operating permit replaces condition 5 of the requirements for the previous Title V operating permit and ensures compliance with the requirements of this rule.

d. S-377-56-1: 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

- Condition 6 of the requirements for the draft renewed Title V operating permit ensures compliance with the requirements of this rule.

G. 40 CFR Part 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

Per §60.40c(a), the provisions of this subpart are applicable to any steam generating unit, except as provided in paragraphs (d), (e), (f), and (g), for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 MMBtu per hour or less but greater than or equal to 10 MMBtu per hour. This subpart has been amended since this Title V permit was last renewed; therefore, this subpart be evaluated with this renewal.

The permit S-377-34 boiler unit was constructed after June 9, 1989 and has a maximum design heat input rating of greater than 10 MMBtu/hr and less than 100 MMBtu/hr. Additionally, there are no applicable exemptions listed in paragraphs 60.40c(d), (e), (f), or (g); therefore, the boiler is subject to the provisions of this subpart pursuant to §60.40c(a).

§60.42c – Standard for sulfur dioxide (SO₂):

The requirements of this paragraph are applicable to units which combust only coal or combust coal in combination with other fuels. The permit unit S-377-34 boiler combusts neither coal nor coal in combination with other fuels; therefore, the requirements of this paragraph are not applicable.

§60.43c – Standard for particulate matter (PM):

The requirements of this paragraph are applicable to units which combust coal or combust mixtures of coal with other fuels. The permit unit S-377-34 boiler combusts neither coal nor any mixtures of coal with other fuels; therefore, the requirements of this paragraph are not applicable.

§60.44c – Compliance and performance test methods and procedures for sulfur dioxide:

This paragraph outlines the compliance and performance test methods and procedures for sulfur dioxide for units that are subject to an SO₂ emission standard from §60.42c. The permit unit S-377-34 boiler is not subject to an SO₂ emission standard from this subpart; therefore, SO₂ testing is not required.

§60.45c – Compliance and performance test methods and procedures for particulate matter:

This paragraph outlines the compliance and performance test methods and procedures for particulate matter for units subject to a PM emission standard from §60.43c. The permit unit S-377-34 boiler is not subject to a PM emission standard from this subpart; therefore, PM testing is not required.

§60.46c – Emission monitoring for sulfur dioxide:

This paragraph outlines the emission monitoring requirements for sulfur dioxide for units that are subject to an SO₂ emission standard from §60.42c. The permit unit S-377-34 boiler is not subject to an SO₂ emission standard from this subpart; therefore, SO₂ monitoring is not required.

§60.47c – Emission monitoring for particulate matter:

This paragraph outlines the emission monitoring requirements for particulate matter for units that are subject to a PM emission standard from §60.43c. The permit unit S-377-34 boiler is not subject to a PM emission standard from this subpart; therefore, PM monitoring is not required.

§60.48c – Reporting and recordkeeping requirements:

Section 60.48c(a) states that the owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by §60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

The design heat input capacity and type of fuel combusted at the facility will be listed on the unit's equipment description. No additional conditions are required to ensure compliance with this requirement.

- (2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c or §60.43c.

The permit unit S-377-34 boiler will not be fired on any fuel or mixture of fuels listed under §60.42c or §40.43c; therefore, this requirement is not applicable.

- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Annual capacity factor is defined in §60.41c as "...the ratio between the actual heat input to a steam generating unit from an individual fuel or combination of fuels during a period of 12 consecutive calendar months and the potential heat input to the steam generating unit from all fuels had the steam generating unit been operated for 8,760 hours during that 12-month period at the maximum design heat input capacity..."

The permit unit S-377-34 boiler will not be fired on any fuel or mixture of fuels listed under §60.42c or §60.43c; therefore, this requirement is not applicable.

- (4) Notification if an emerging technology will be used for controlling SO₂ emissions. The Administrator will examine the description of the control device and will determine whether the technology qualifies as an emerging technology. In making this determination, the Administrator may require the owner or operator of the affected facility to submit additional information concerning the control device. The affected facility is subject to the provisions of §60.42c(a) or (b)(1), unless and until this determination is made by the Administrator.

This requirement is not applicable since the permit unit S-377-34 boiler will not be equipped with an emerging technology used to control SO₂ emissions.

§60.48c(b) through (e) are applicable to units subject to the SO₂ and PM standards of §60.42c and §60.43c. Since the permit unit S-377-34 boiler is not subject to §60.42c or §60.43c, the requirements of §60.48(b) through (e) are not applicable.

§60.48c(f) outlines the reporting and recordkeeping requirements for fuel supplier certifications, as required by §60.42c and §60.44c. The permit unit S-377-34 boiler is not subject to either §60.42c or §60.44c; therefore, this paragraph is not applicable.

§60.48c(g) requires the owner or operator to record and maintain records of the daily amount of fuel combusted except as provided in paragraphs §60.48c(g)(2) or §60.48c(g)(3). §60.48c(g)(2) allows the owner/operator to keep monthly records for units which combust only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emission standard (excluding opacity), or a mixture of fuels.

The permit unit S-377-34 boiler is not subject to an emission standard of this subpart; therefore, the owner/operator may keep monthly records of the amounts of fuel combusted.

§60.48c(h) outlines a requirement to calculate the annual capacity factor for each fuel under §60.42c and §60.43c that is combusted in units subject to a federally enforceable requirement limiting the annual capacity factor. The permit unit S-377-34 boiler will not be fired on any fuel or mixture of fuels listed under §60.42c or §60.43c; therefore, this requirement is not applicable.

§60.48c(i) states that all records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

a. *S-377-34-7: 21 MMBTU/HR CLEAVER BROOKS MODEL CB700X (500 HP) NATURAL GAS-FIRED BOILER WITH A NT1700-500 ULTRA LOW NOX BURNER*

- Conditions 4 of the requirements for the draft renewed Title V operating permit ensures compliance with the requirements of this subpart.
- Condition 24 and 25 have been added to the requirements for the draft renewed Title V operating permit and ensure compliance with the requirements of this subpart.
- Condition 27 of the requirements for the draft renewed Title V operating permit replaces condition 25 of the requirements for the previous Title V operating permit.

H. 40 CFR Part 60, Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

This subpart is applicable to owners and operators of stationary compression ignition (CI) internal combustion (IC) engines that commence construction after July 11, 2005 where the engine is either manufactured after April 1, 2006, (except for fire pump engines) or manufactured as a National Fire Protection Association (NFPA) fire pump engine after July 1, 2006. This subpart has been amended since this Title V permit was last renewed; therefore, this subpart be evaluated with this renewal.

§60.4205(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants. The permit unit S-377-54 CI fire pump IC engine is rated at 305 bhp and was manufactured in 2012; per Table 4 to Subpart III of Part 60, the applicable emission standards are:

NO _x +NMHC	3.0 g/bhp-hr
CO	2.6 g/bhp-hr
PM	0.15 g/bhp-hr

§60.4207(a) provides minimum fuel standards for CI ICE that use diesel fuel. The fuel standard requirements of District Rule 4702 and Title 17 CCR 93115 are more stringent or equivalent to the fuel standards of 40 CFR 80.510(a) as required in this section.

§60.4209(a) requires the use of a non-resettable hour meter on emergency CI IC engines that do not meet the standards applicable to non-emergency engines.

§60.4211(a) requires owners and operators subject to an emission standard of this subpart to meet all of the requirements from §60.4211(a)(1) through (3), outlined as follows:

- (1) Operate and maintain the engine according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the applicable requirements of 40 CFR Parts 89, 94, and/or 1068.

For a CI fire pump engine that is manufactured prior to the applicable model year in Table 3 to Subpart IIII (2009 for the permit unit S-377-54 CI IC engine), §60.4211(c) requires demonstration of compliance with the emission standards in §60.4205(c) by the installation of an engine that is certified to the applicable emission standards in §60.4205(c) for the same model year and engine power. The permit unit S-377-54 emergency fire pump CI IC engine is certified to Tier 3 emission standards for the same power rating and year of the engine and meets the emission limits specified in Table 3 to Subpart IIII to Part 60.

§60.4211(f) outlines non-emergency operating limits for emergency CI IC engines. No limit in §60.4211(f)(1) through (3) is more stringent than the limits from either District Rule 4702 or Title 17 CCR 93115.

- a. *S-377-37-5: 188 BHP CLARKE MODIFIED DETROIT MODEL #DDFP-04AT DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP*

Construction for this engine (the date the engine was ordered by the owner or operator) commenced prior to July 11, 2005 and the engine was manufactured prior to April 1, 2006. Therefore, the provisions of this subpart are not applicable to this engine.

- b. *S-377-54-2: 305 BHP JOHN DEERE MODEL JU6H-UFADX8 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP*

This engine is manufactured as a NFPA fire pump engine and construction for this engine (the date the engine was ordered by the owner or operator) commenced after to July 11, 2005, and the engine was manufactured after July 1, 2006. Therefore, the provisions of this subpart are applicable to this engine.

- Condition 3 has been added to the requirements for the draft renewed Title V operating permit and ensures compliance with requirements of this subpart.
- Conditions 4, 5, 6, 7, and 8 of the requirements for the draft renewed Title V operating permit replace conditions 4, 5, 6, 7, and 8 of the requirements for the previous Title V operating permit and ensure compliance with requirements of this subpart.

I. 40 CFR Part 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

The provisions of this subpart are applicable to owners and operators of stationary spark-ignition (SI) internal combustion (IC) engines that commence construction (the date the engine was ordered by the owner or operator) after June 12, 2006, where the stationary SI ICE are manufactured on or after January 1, 2009, for emergency engines with a maximum engine power greater than 25 bhp. This subpart has been amended since this Title V permit was last renewed; therefore, this subpart be evaluated with this renewal.

§60.4233(e) requires owners and operators of engines with a maximum engine power greater than or equal to 100 bhp (except gasoline and rich burn engines that use LPG) to comply with the emission standards in Table 1 to Subpart JJJJ.

The permit unit S-377-56 SI emergency IC engine is rated at 189 bhp; per Table 1 to Subpart JJJJ of Part 60, the applicable emission standards are:

NOx	2.0 g/bhp-hr
CO	4.0 g/bhp-hr
VOC	1.0 g/bhp-hr

§60.4243(b) requires owners and operators of engines that are required to meet the emission standards in §60.4233(e) to demonstrate compliance by either purchasing an engine certified for the model year and demonstrating compliance according to one of the methods in §60.4243(a). The permit unit S-377-56 emergency IC engine is certified according to the procedures of this subpart and the owner/operator meets §60.4243(a)(1) by operating the certified engine and control device according to the manufacturer's emission-related written instructions.

§60.4243(d) outlines non-emergency operating limits for emergency SI IC engines. No limit in §60.4243(d)(1) through (3) is more stringent than the limit from District Rule 4702.

a. *S-377-35-5: 99.5 BHP EMERGENCY STANDBY NATURAL GAS-FIRED IC ENGINE POWERING AN ELECTRICAL GENERATOR*

Construction for this engine (the date the engine was ordered by the owner or operator) commenced prior to June 12, 2006 and the engine was manufactured prior to January 1, 2009. Therefore, the provisions of this subpart are not applicable to this engine.

b. *S-377-56-1: 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*

This engine is an SI emergency IC engine with a maximum power rating greater than 25 bhp and construction of the engine (the date the engine was ordered by the owner or operator) commenced after June 12, 2006 and the engine was manufactured after January 1, 2009. Therefore, the provisions of this subpart are applicable to this engine.

- Conditions 2, 3, and 10 of the requirements for the draft renewed Title V operating permit replace conditions 2, 4, and 11 of the requirements for the previous Title V operating permit and ensure compliance with requirements of this subpart.
- Condition 14 has been added to the requirements for the draft renewed Title V operating permit and ensures compliance with requirements of this subpart.

J. 40 CFR Part 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

This subpart applies to owners and operators of new and existing stationary reciprocating internal combustion engines (RICE) operated at a major or area source of Hazardous Air Pollutant (HAP) emissions. Per §63.6590(a)(1)(iii), an engine at an area source that commenced construction prior to June 12, 2006, is an existing engine and per §63.6590(a)(2)(iii), an engine at an area source that commenced construction on or after June 12, 2006, is a new engine. This subpart has been amended since this Title V permit was last renewed; therefore, this rule be evaluated with this renewal.

a. *S-377-35-5: 99.5 BHP EMERGENCY STANDBY NATURAL GAS-FIRED IC ENGINE POWERING AN ELECTRICAL GENERATOR*

Per §63.6590(a)(1)(iii), this engine is an existing RICE since construction was commenced prior to June 12, 2006.

- Conditions 2, 5, and 17 of the requirements for the draft renewed Title V operating permit replace conditions 2, 5, and 10 of the requirements for the previous Title V operating permit and ensure compliance with the requirements of this subpart.
- Conditions 10 through 16 have been added to the requirements for the draft renewed Title V operating permit and ensure compliance with the requirements of this subpart.

b. *S-377-37-5: 188 BHP CLARKE MODIFIED DETROIT MODEL #DDFP-04AT DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP*

Per §63.6590(a)(1)(iii), this engine is an existing RICE since construction commenced prior to June 12, 2006.

- Conditions 5, 8, and 18 of the requirements for the draft renewed Title V operating permit replace conditions 5, 8, and 11 of the requirements for the previous Title V operating permit and ensure compliance with the requirements of this subpart.
- Conditions 12 through 17 have been added to the requirements for the draft renewed Title V operating permit and ensure compliance with the requirements of this subpart.

c. *S-377-54-2: 305 BHP JOHN DEERE MODEL JU6H-UFADX8 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP*

Per §63.6590(a)(2)(iii), this engine is a new engine since construction commenced after June 12, 2006. Per §63.6590(c)(1), a new RICE must meet the requirements of this subpart by meeting requirements of 40 CFR Part 60, Subpart IIII, for compression-ignition engines. No further requirements apply.

- Condition 3 has been added to the requirements for the draft renewed Title V operating permit and ensures compliance with requirements of 40 CFR 60, Subpart IIII.

- Conditions 4, 5, 6, 7, and 8 of the requirements for the draft renewed Title V operating permit replace conditions 4, 5, 6, 7, and 8 of the requirements for the previous Title V operating permit and ensure compliance with requirements of 40 CFR 60, Subpart IIII.

d. *S-377-56-1: 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*

Per §63.6590(a)(2)(iii), this engine is a new engine since construction was commenced after June 12, 2006. Per §63.6590(c)(1), a new RICE must meet the requirements of this subpart by meeting requirements of 40 CFR Part 60, Subpart JJJJ, for spark-ignition engines. No further requirements apply

- Conditions 2, 3, and 10 of the requirements for the draft renewed Title V operating permit replace conditions 2, 4, and 11 of the requirements for the previous Title V operating permit and ensure compliance with requirements of 40 CFR 60, Subpart JJJJ.
- Condition 13 has been added to the requirements for the draft renewed Title V operating permit and ensures compliance with requirements of 40 CFR 60, Subpart JJJJ.

K. 40 CFR Part 64 – Compliance Assurance Monitoring(CAM)

Per 40 CFR §64.2, Compliance Assurance (CAM) Monitoring is required for units at a major source that are required to obtain a Part 70 or Part 71 permit that meet all of the following three criteria:

- 1) The unit must have an emission limit for the pollutant;
- 2) The unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
- 3) The unit must have a pre-control Potential to Emit of greater than the major source threshold for the specific pollutant.

Pollutant	Major Source Threshold (lb/year)
NO _x	20,000
SO _x	140,000
PM ₁₀	140,000
CO	200,000
VOC	20,000

Each permit unit at this facility was previously evaluated for compliance with CAM requirements. The requirements of 40 CFR Part 64 have not been amended since this Title V permit was last renewed; however, to ensure continued compliance with the requirements of this subpart, compliance with CAM will be evaluated with this renewal for each permit unit at this facility.

a. *S-377-3-26: 720 MMBTU/HR NATURAL GAS-FIRED PISTACHIO HULLING AND DRYING OPERATION #1*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for NO_x, SO_x, CO, or VOC. Therefore, this permit unit cannot be subject to CAM for these pollutants.

This unit is equipped with an add-on control for PM₁₀ (cyclone) so it may be subject to CAM for this pollutant. The following calculation determines whether the pre-control PE for this unit is greater than the major source threshold.

$$\text{Pre-control PE PM}_{10} = (\text{PE}_{\text{Controlled, lb-PM}_{10}/\text{hr}} \times \text{Operation, hr/year}) \div (1-\text{CE})$$

Where,

PE _{Controlled}	= 0.08 lb-PM ₁₀ /hr (current PTO limit)
CE	= 80% for high-efficiency cyclones (reasonable value from AP 42, Appendix B.2, Table B.2-3, 9/90)
Operation	= 1,440 hr/year (current PTO limit)

$$\begin{aligned} \text{Pre-control PE PM}_{10} &= 0.08 \text{ lb-PM}_{10}/\text{hr} \times 1,440 \text{ hr/year} \div (1-0.8) \\ &= 576 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Since the pre-control PE for PM₁₀ for this permit unit is not greater than the major source threshold of 140,000 lb-PM₁₀/year, this unit is not subject to CAM for PM₁₀.

b. *S-377-9-8: PROPYLENE OXIDE FUMIGATION OPERATION WITH A WET SCRUBBER*

This permit unit may be subject to CAM for VOC since there is an emission limit for VOC and the unit is equipped with add-on control for VOC (wet scrubber). The following calculation determines whether the pre-control PE for this unit is greater than the major source threshold.

$$\text{Pre-control PE PM}_{10} = \text{PE}_{\text{Controlled, lb-VOC}/\text{year}} \div (1-\text{CE})$$

Where,

$$\begin{aligned} PE_{\text{Controlled}} &= 782 \text{ lb-VOC/year (current PTO limit)} \\ CE &= 98\% \text{ (per current PTO)} \end{aligned}$$

$$\begin{aligned} \text{Pre-control PE PM}_{10} &= PE_{\text{Controlled, lb-VOC/year}} \div (1-CE) \\ &= 39,100 \text{ lb-VOC/year} \end{aligned}$$

$$\begin{aligned} \text{Post-control PE PM}_{10} &= PE_{\text{Controlled, lb-VOC/year}} \\ &= 782 \text{ lb-VOC/year} \end{aligned}$$

Since the pre-control PE for VOC is greater than the major source threshold of 20,000 lb-VOC/year, this unit is subject to CAM for VOC. However, since the post-control PE does not exceed the major source threshold for VOC, a once-daily monitoring interval is sufficient for compliance with CAM.

- Condition 13 has been added to requirements for the draft renewed Title V operating permit and ensures compliance with the requirements of this subpart.
- Condition 14 of the requirements for the draft renewed Title V operating permit replaces condition 14 of the requirements for the previous Title V operating permit and ensures compliance with the requirements of this subpart.

c. *S-377-19-31: 631.5 MMBTU/HR NATURAL GAS-FIRED PISTACHIO HULLING AND DRYING OPERATION #2*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for NO_x, SO_x, CO, or VOC. Therefore, this permit unit cannot be subject to CAM for these pollutants.

This unit is equipped with an add-on control for PM₁₀ (cyclone) so it may be subject to CAM for this pollutant. The following calculation determines whether the pre-control PE for this unit is greater than the major source threshold.

$$\text{Pre-control PE PM}_{10} = (PE_{\text{Controlled, lb-PM}_{10}/\text{hr}} \times \text{Operation, hr/year}) \div (1-CE)$$

Where,

$$\begin{aligned} PE_{\text{Controlled}} &= 0.08 \text{ lb-PM}_{10}/\text{hr (current PTO limit)} \\ CE &= 80\% \text{ for high-efficiency cyclones (reasonable value} \\ &\quad \text{from AP 42, Appendix B.2, Table B.2-3, 9/90)} \\ \text{Operation} &= 1,500 \text{ hr/year (current PTO limit)} \end{aligned}$$

$$\begin{aligned}\text{Pre-control PE PM}_{10} &= 0.08 \text{ lb-PM}_{10}/\text{hr} \times 1,500 \text{ hr/year} \div (1-0.80) \\ &= 600 \text{ lb-PM}_{10}/\text{year}\end{aligned}$$

Since the pre-control PE for PM₁₀ for this permit unit is not greater than the major source threshold of 140,000 lb-PM₁₀/year, this unit is not subject to CAM for PM₁₀.

- d. *S-377-21-16: 528 MMBTU/HR PISTACHIO STORAGE OPERATION WITH ONE HUNDRED SEVENTY SIX 3 MMBTU/HR NATURAL GAS-FIRED HEATERS*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for any pollutant. Therefore, this permit unit cannot be subject to CAM.

- e. *S-377-34-7: 21 MMBTU/HR CLEAVER BROOKS MODEL CB700X (500 HP) NATURAL GAS-FIRED BOILER WITH A NT1700-500 ULTRA LOW NOX BURNER*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for any pollutant. Therefore, this permit unit cannot be subject to CAM.

- f. *S-377-35-5: 99.5 BHP EMERGENCY STANDBY NATURAL GAS-FIRED IC ENGINE POWERING AN ELECTRICAL GENERATOR*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for NO_x, SO_x, PM₁₀, or CO. Therefore, this permit unit cannot be subject to CAM for these pollutants.

This unit is equipped with an add-on control for VOC (positive crankcase ventilation (PCV) system) so it may be subject to CAM for this pollutant. The following calculation determines whether the pre-control PE for this unit is greater than the major source threshold.

$$\text{Pre-control PE VOC} = (\text{EF}_{\text{Uncontrolled}}, \text{ lb-VOC/bhp-hr} \times \text{Power Rating, bhp} \times \text{Annual Operation, hr/year})$$

Where,

$$\begin{aligned}\text{EF}_{\text{Uncontrolled}} &= 0.0296 \text{ lb/MMBtu (AP 42, Table 3.2-3, 7/00)} \\ \text{Conversion:} &= 7,000 \text{ Btu/bhp-hr (AP 42, Table 3.3-1, 10/96)} \\ \text{Operation} &= 100 \text{ hr/year (current PTO limit)}\end{aligned}$$

$$\begin{aligned}\text{Pre-control PE VOC} &= 0.0296 \text{ lb-VOC/MMBtu} \times 7,000 \text{ Btu/bhp-hr} \times \\ &\text{MMBtu}/1\text{E6 Btu} \times 99.5 \text{ bhp} \times 100 \text{ hr/year} \\ &= 2 \text{ lb-VOC/year}\end{aligned}$$

Since the pre-control PE for VOC for this permit unit is not greater than the major source threshold of 20,000 lb-VOC/year, this unit is not subject to CAM for PM₁₀.

- g. S-377-37-5: 188 BHP CLARKE MODIFIED DETROIT MODEL #DDFP-04AT DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for any pollutant. Therefore, this permit unit cannot be subject to CAM.

- h. S-377-39-6: 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*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for any pollutant. Therefore, this permit unit cannot be subject to CAM.

- i. S-377-40-16: 18.62 MMBTU/HR NATURAL GAS-FIRED ALMOND FINISHING, FLAVORING, AND PACKAGING OPERATION*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for NO_x, SO_x, CO, or VOC. Therefore, this permit unit cannot be subject to CAM for these pollutants.

Each unit is equipped with an add-on control for PM₁₀ (cyclone) so they may be subject to CAM for this pollutant. The following calculation determines whether the pre-control PE for these units is greater than the major source threshold.

$$\text{Pre-control PE PM}_{10} = \text{EF, lb-PM}_{10}\text{/MMBtu} \times \text{Heat Input Limit, MMBtu/year}$$

Aeroglide Nut Dryer #2 (3.6 MMBtu/hr)

Where,
 $\text{EF} = 7.6 \text{ lb-PM}_{10}\text{/MMscf (current PTO limit)}$

$$\begin{aligned}\text{Heat Input} &= 31.54 \text{ MMscf/year (based on maximum input heat} \\ &\text{rating (MMBtu/hr) and full-time operation: } 3.6 \\ &\text{MMBtu/hr} \times 24 \text{ hr/year} \times 365 \text{ day/year} \div 1,000 \\ &\text{MMBtu/MMscf} = 31.54 \text{ MMscf/year)}\end{aligned}$$

$$\begin{aligned}\text{Pre-control PE PM}_{10} &= 7.6 \text{ lb-PM}_{10}\text{/MMscf} \times 31.54 \text{ MMscf/year} \\ &= 240 \text{ lb-PM}_{10}\text{/year}\end{aligned}$$

Aeroglides Nut Dryer #3 (4.0 MMBtu/hr)

Where,

$$\begin{aligned}\text{EF} &= 2.8 \text{ lb-PM}_{10}\text{/MMscf (current PTO limit)} \\ \text{Input Limit} &= 30 \text{ MMscf/year (current PTO limit)}\end{aligned}$$

$$\begin{aligned}\text{Pre-control PE PM}_{10} &= 2.8 \text{ lb-PM}_{10}\text{/MMscf} \times 30 \text{ MMscf/year} \\ &= 84 \text{ lb-PM}_{10}\text{/year}\end{aligned}$$

Total (Aeroglides Nut Dryers #2 and #3)

$$\begin{aligned}\text{Total Pre-Control PE PM}_{10} &= (\text{Pre-Control PE PM}_{10})_{\text{Aeroglides \#2}} + (\text{Pre-} \\ &\text{Control PE PM}_{10})_{\text{Aeroglides \#3}} \\ &= 240 \text{ lb-PM}_{10}\text{/year} + 84 \text{ lb-PM}_{10}\text{/year} \\ &= 324 \text{ lb-PM}_{10}\text{/year}\end{aligned}$$

Since the pre-control PE for PM₁₀ for the Aeroglides Nut Dryer #2 and Aeroglides Nut Dryer #3 are not greater than the major source threshold of 140,000 lb-PM₁₀/year, these units are not subject to CAM for PM₁₀.

- j. *S-377-41-5: HYDROGEN PHOSPHIDE (PHOSPHINE GAS) AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION OPERATION CONDUCTED IN SILOS, BIN STACKS, AND FUMIGATION BUILDING*

This permit unit has emissions limits for hydrogen phosphide (phosphine gas) and sulfuranyl fluoride (profume); however, the unit does not have add-on control for hydrogen phosphide or sulfuranyl fluoride. Therefore, this permit unit cannot be subject to CAM.

- k. *S-377-43-4: METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)*

This permit unit has emissions limits for profume (sulfuranyl fluoride); however, the unit does not have add-on control for profume. Therefore, this permit unit cannot be subject to CAM.

l. S-377-44-4: METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)

This permit unit has emissions limits for profume (sulfuryl fluoride); however, the unit does not have add-on control for profume. Therefore, this permit unit cannot be subject to CAM.

m. S-377-45-4: METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)

This permit unit has emissions limits for profume (sulfuryl fluoride); however, the unit does not have add-on control for profume. Therefore, this permit unit cannot be subject to CAM.

n. S-377-46-4: METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)

This permit unit has emissions limits for profume (sulfuryl fluoride); however, the unit does not have add-on control for profume. Therefore, this permit unit cannot be subject to CAM.

o. S-377-47-7: 3.0 MMBTU/HR NATURAL GAS-FIRED ARTIFICIAL PISTACHIO OPENING OPERATION

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for any pollutant. Therefore, this permit unit cannot be subject to CAM.

p. S-377-49-4: COATING OPERATION FOR CARBON STEEL SUBSTRATES USING ELECTROSTATIC SPRAY GUN

This permit unit has emissions limits for PM₁₀ and VOC; however, the unit does not have add-on control for VOC. Therefore, this permit unit cannot be subject to CAM for VOC.

This unit is equipped with an add-on control for PM₁₀ (paint spray booth) so it may be subject to CAM for this pollutant. The following calculation determines whether the pre-control PE for this unit is greater than the major source threshold.

$$\text{Pre-control PE PM}_{10} = \text{PE}_{\text{Controlled}}, \text{ lb-PM}_{10}/\text{year} \div (1-\text{CE})$$

Where,

$PE_{\text{Controlled}} = 501 \text{ lb-PM}_{10}/\text{year}$ (from current PTO; including painting and priming)

$CE = \text{Dry exhaust filter removal efficiency (RE) is 95\%}$ (March 26, 2006 Memorandum to EPA, 'Review of Spray Booth Filter Information for the Area Source Motor Vehicle and Mobile Equipment Refinishing National Emission Standards for Hazardous Air Pollutants (NESHAP)').

$$\begin{aligned} \text{Pre-control PE PM}_{10} &= 501 \text{ lb-PM}_{10}/\text{year} \div (1-0.95) \\ &= 10,020 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Since the pre-control PE for PM_{10} for this permit unit is not greater than the major source threshold of 140,000 lb- PM_{10} /year, this unit is not subject to CAM for PM_{10} .

q. *S-377-50-5: 41.0 MMBTU/HR NATURAL GAS-FIRED PISTACHIO NUT FLAVORING AND DRYING OPERATION*

This permit unit has emissions limits for NO_x , SO_x , PM_{10} , CO, and VOC; however, the unit does not have add-on control for NO_x , SO_x , CO, or VOC. Therefore, this permit unit cannot be subject to CAM for these pollutants.

The roasters in this operate are equipped with add-on control for PM_{10} (cyclones and wet scrubber for the 6.0 MMBtu/hr rotary roasters and a baghouse for the 5.0 MMBtu/hr bed roaster) so they may be subject to CAM for this pollutant. The following calculations determine whether the pre-control PE for the emissions units is greater than the major source threshold.

Note that all rotary roasters and the bed roaster are part of a continuous operation that has an annual fuel usage limit on the current PTO; therefore, emissions from each emissions unit are determined using the fuel usage limit and total heat input rating for all burners combined.

Each Rotary Roaster

$$\text{Pre-Control PE PM}_{10} = PE_{\text{Controlled, lb-PM}_{10}/\text{hr}} \times \text{Operation, hr/year} \div (1-CE_1) \div (1-CE_2)$$

Where,

$PE_{\text{Controlled}} = 0.04 \text{ lb-PM}_{10}/\text{hr}$ (combustion and non-combustion PM_{10} limit from the current PTO)

$$\begin{aligned} \text{Operation} &= 4,024 \text{ hr/year (based on the limit of } 165 \text{ MMscf/year} \\ &\quad + 41.0 \text{ MMBtu/hr} \times 1,000 \text{ MMBtu/MMscf} = 4,024 \text{ hr/year)} \\ \text{CE}_1 &= 80\% \text{ for high-efficiency cyclones (reasonable value} \\ &\quad \text{from AP 42, Appendix B.2, Table B.2-3, 9/90)} \\ \text{CE}_2 &= 90\% \text{ for high-efficiency wet scrubbers (reasonable} \\ &\quad \text{value from AP 42, Appendix B.2, Table B.2-3, 9/90)} \end{aligned}$$

$$\begin{aligned} \text{Pre-Control PE PM}_{10} &= 0.04 \text{ lb-PM}_{10}/\text{hr} \times 4,024 \text{ hr/year} \div (1-0.80) \div (1- \\ &\quad 0.90) \\ &= 8,048 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Bed Roaster

$$\begin{aligned} \text{Pre-Control PE PM}_{10} &= [\text{Controlled EF}_{\text{Non-combustion}}, \text{ lb-PM}_{10}/\text{hr} \times \\ &\quad \text{Operation, hr/year} \div (1-\text{CE})] + [\text{Controlled} \\ &\quad \text{EF}_{\text{Combustion}}, \text{ lb-PM}_{10}/\text{MMscf} \div 1,000 \\ &\quad \text{MMBtu/MMscf} \times \text{Heat Input, MMBtu/hr} \times \\ &\quad \text{Operation, hr/year} \div (1-\text{CE})] \end{aligned}$$

Where,

$$\begin{aligned} \text{Controlled EF}_{\text{Non-combustion}} &= 0.01 \text{ lb-PM}_{10}/\text{hr (current PTO)} \\ \text{Controlled EF}_{\text{Combustion}} &= 2.8 \text{ lb-PM}_{10}/\text{MMscf (current PTO)} \\ \text{Operation} &= 4,024 \text{ hr/year} \\ \text{CE} &= 99\% \text{ for fabric filter type of collector} \\ &\quad \text{(reasonable value from AP 42,} \\ &\quad \text{Appendix B.2, Table B.2-3, 9/90)} \end{aligned}$$

$$\begin{aligned} \text{Pre-Control PE PM}_{10} &= [0.01 \text{ lb-PM}_{10}/\text{hr} \times 4,024 \text{ hr/year} \div (1-0.99)] + \\ &\quad [2.8 \text{ lb-PM}_{10}/\text{MMscf} \div 1,000 \text{ MMBtu/MMscf} \times 5.0 \\ &\quad \text{MMBtu/hr} \times 4,024 \text{ hr/year} \div (1-0.99)] \\ &= 9,658 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Total Operation (Rotary Roasters + Bed Roaster)

$$\begin{aligned} \text{Total Pre-Control PE PM}_{10} &= (\text{Pre-Control PE PM}_{10})_{\text{Rotary Roasters}} + (\text{Pre-} \\ &\quad \text{Control PE PM}_{10})_{\text{Bed Roaster}} \\ &= 8,048 \text{ lb-PM}_{10}/\text{year} + 9,658 \text{ lb-PM}_{10}/\text{year} \\ &= 17,706 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Since the pre-control PE for PM₁₀ is not greater than the major source threshold of 140,000 lb-PM₁₀/year, this unit is not subject to CAM for PM₁₀.

r. S-377-52-1: PISTACHIO SHELLING OPERATION

This permit unit may be subject to CAM for PM₁₀ since there is an emission limit for PM₁₀ and the unit is equipped with add-on control for PM₁₀ (fabric filter dust collector). The following calculation determines whether the pre-control PE for this unit is greater than the major source threshold.

$$\text{Pre-control PE PM}_{10} = \frac{\text{PE}_{\text{Controlled, lb-PM}_{10}/\text{day}} \times \text{Operation, day/year}}{(1-\text{CE})}$$

Where,

$$\text{PE}_{\text{Controlled}} = 15.4 \text{ lb-PM}_{10}/\text{day} \text{ (current PTO limit)}$$

$$\text{Operation} = 365 \text{ day/year} \text{ (worst case)}$$

$$\text{CE} = 99\% \text{ for fabric filter type of collector (reasonable value from AP 42, Appendix B.2, Table B.2-3, 9/90)}$$

$$\begin{aligned} \text{Pre-control PE PM}_{10} &= 15.4 \text{ lb-PM}_{10}/\text{day} \times 365 \text{ day/year} \div (1-0.99) \\ &= 562,100 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

$$\begin{aligned} \text{Post-control PE PM}_{10} &= 15.4 \text{ lb-PM}_{10}/\text{day} \times 365 \text{ day/year} \\ &= 5,621 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Since the pre-control PE for PM₁₀ for this permit unit is greater than the major source threshold of 140,000 lb-PM₁₀/year, this unit is subject to CAM for PM₁₀. However, since the post-control PE does not exceed the major source threshold for PM₁₀, a once-daily monitoring interval is sufficient for compliance with CAM.

- Condition 1 of the requirements for the draft renewed Title V operating permit replaces condition 2 of the requirements for the existing Title V operating permit and ensures compliance with the requirements of this subpart.
- Conditions 2 and 10 have been added to requirements for the draft renewed Title V operating permit and ensure compliance with the requirements of this subpart.
- Condition 11 of the requirements for the draft renewed Title V operating permit replaces condition 10 of the requirements for the previous Title V operating permit and ensures compliance with the requirements of this subpart.
- Condition 12 of the requirements for the draft renewed Title V operating permit replaces condition 11 of the requirements for the previous Title V operating permit and ensures compliance with the requirements of this subpart.

- s. *S-377-54-2: 305 BHP JOHN DEERE MODEL JU6H-UFADX8 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP*

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for any pollutant. Therefore, this permit unit cannot be subject to CAM.

- t. *S-377-55-1: INDOOR PROPYLENE OXIDE OFF-GASSING OPERATION*

This permit unit has emissions limits for VOC; however, the unit does not have add-on control for VOC. Therefore, this permit unit cannot be subject to CAM.

- u. *S-377-56-1: 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*

This permit unit has emissions limits for NO_x, PM₁₀, CO, and VOC; however, the unit does not have add-on control for PM₁₀. Therefore, this permit unit cannot be subject to CAM for this pollutant.

The IC engine is equipped with add-on control for NO_x, CO, and VOC emissions (non-selective catalytic reduction (NSCR) system) so the unit may be subject to CAM for these pollutants. The following calculations determine whether the pre-control PE for the emissions unit is greater than the major source threshold.

$$\text{Pre-Control PE} = \frac{\text{EF}_{\text{Controlled}} \text{ g/bhp-hr} \times \text{Power Rating, bhp} \times \text{Operation, hr/year}}{453.6 \text{ g/lb} \div (1-\text{CE})}$$

Where,

NO _x EF _{Controlled}	= 0.05 g-NO _x /bhp-hr (current PTO)
CO EF _{Controlled}	= 0.92 g-NO _x /bhp-hr (current PTO)
VOC EF _{Controlled}	= 0.06 g-NO _x /bhp-hr (current PTO)
Operating Limit	= 100 hr/year (current PTO)
Engine Power	= 189 bhp (current PTO)
NO _x CE	= 90% (<i>Update On Emissions - Form 960, Second Edition, Waukesha Engine Division, Dresser Industries, October, 1991</i>)
CO CE	= 80% (<i>Update On Emissions - Form 960, Second Edition, Waukesha Engine Division, Dresser Industries, October, 1991</i>)

VOC CE = 50% (*Update On Emissions - Form 960*, Second Edition, Waukesha Engine Division, Dresser Industries, October, 1991)

CAM Applicability Determination Unit S-377-56						
Pollutant	EF, g/bhp-hr	Power, bhp	Operation, hr/year	CE, %	Pre-Control PE, lb/year	Major Source Threshold, lb/year
NOx	0.05	189	100	90	21	20,000
CO	0.92	189	100	80	192	200,000
VOC	0.06	189	100	50	5	20,000

Since the pre-control PE for NOx, CO, and VOC are each not greater than the major source thresholds, as shown in the table above, this unit is not subject to CAM for NOx, CO, or VOC.

L. 40 CFR Part 82, Subpart B – Servicing of Motor Vehicle Air Conditioners

The purpose of 40 CFR Part 82 Subpart B is to implement Section 609 of the Clean Air Act, as amended regarding the servicing of motor vehicle air conditioners (MVACs), and to implement section 608 of the Clean Air Act regarding certain servicing, maintenance, repair, and disposal of air conditioners in MVACs and MVAC-like appliances.

These regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

This subpart has been amended since this Title V permit was last renewed but the amendments do not have any effect on current permit requirements and will therefore not be addressed further in this evaluation.

a. S-377-0-4: Facility-Wide Requirements

- Condition 28 of the requirements for the draft renewed Title V operating permit ensures compliance with this subpart.

M. 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction

The purpose of 40 CFR Part 82 Subpart F is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the service, maintenance, repair, and disposal of appliances and restricting the sale of

refrigerants consisting in whole or in part of a class I and class II ODS in accordance with Title VI of the Clean Air Act.

These regulations apply to any person servicing, maintaining, or repairing appliances. This subpart also applies to persons disposing of appliances, including small appliances and motor vehicle air conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturer of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

This subpart has been amended since this Title V permit was last renewed but the amendments do not have any effect on current permit requirements and will therefore not be addressed further in this evaluation.

a. S-377-0-4: Facility-Wide Requirements

- Condition 27 of the requirements for the draft renewed Title V operating permit ensures compliance with this subpart.

IX. PERMIT SHIELD

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the Title V permit. Compliance with the terms and conditions of the operating permit is considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

A. Requirements Addressed by Model General Permit Templates

1. Model General Permit Template SJV-UM-0-3

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template is included as conditions 39 and 40 of the facility-wide requirements (S-377-0-4).

B. Requirements not Addressed by Model General Permit Templates

The applicant is not requesting a permit shield for any requirements not addressed by the Model General Permit Template.

X. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The purpose of the Title V permit renewal is to update the permit to ensure that any changes to regulations since the issuance of the initial Title V permit or most recent renewal of the Title V permit are incorporated as permit requirements.

Per the California Environmental Quality Act (CEQA) Statute §21080.24, and CEQA Guidelines §15281, the issuance, modification, amendment, or renewal of any permit by an air pollution control district or air quality management district pursuant to Title V is exempt from CEQA, unless the issuance, modification, amendment, or renewal authorizes a physical or operational change to a source or facility. There will be no physical or operational change to the source or facility nor will the Title V permit renewal authorize a physical or operational change to the source or facility. Therefore, this project, a Title V permit renewal, is subject to a ministerial action that is exempt from CEQA.

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

ATTACHMENTS

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Summary List of Facility Permits

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-377-0-4

EXPIRATION DATE: 10/31/2017

FACILITY-WIDE REQUIREMENTS

1. {4362} 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. {4363} 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. {4364} 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. {4365} 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. {4366} 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. {4367} 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. {4368} 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. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: WONDERFUL PISTACHIOS & ALMONDS
Location: 3.5 MILES NORTH OF HWY 46 ON HWY 33, LOST HILLS, CA
S-377-0-4 - Aug 3 2017 9:23AM - GILLESR

9. {4370} 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
10. {4371} 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. {4372} 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. {4373} 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. {4374} 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. {4375} 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. {4376} 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. {4377} 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. {4378} 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. {4379} 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. {4380} 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. {4381} 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. {4382} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

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

22. {4383} 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
23. {4384} 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. {4385} 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. {4386} 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. {4387} 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. {4388} 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. {4389} 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. {4390} 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. {4391} 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. {4392} 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. {4393} 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. {4394} 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

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FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

34. {4395} 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. {4396} 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
36. {4397} 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. {4398} 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. {4399} 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. {4400} 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. {4401} 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. {98} 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: 10/31/2017

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

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, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 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: 10/31/2017

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

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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-19-31

EXPIRATION DATE: 10/31/2017

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

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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: 10/31/2017

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

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 $E=3.59xP^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.31xP^{0.16}$ 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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-34-7

EXPIRATION DATE: 10/31/2017

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

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% CO₂, 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_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.005 lb-PM₁₀/MMBtu, 50 ppmv CO @ 3% O₂ 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 hhv 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

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10. This unit shall be tested for compliance with the NO_x 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_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/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_x (ppmv) - EPA Method 7E or ARB Method 100, NO_x (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_x, CO, and O₂ 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_x or CO concentrations corrected to 3% O₂, 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_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (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: 10/31/2017

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

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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-37-5

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-39-6

EXPIRATION DATE: 10/31/2017

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

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: 10/31/2017

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 NO₂), 2.85 lb-SOX/MMscf (as SO₂), 2.8 lb-PM₁₀/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 NO₂), 2.85 lb-SOX/MMscf (as SO₂), 7.6 lb-PM₁₀/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 NO₂), 2.85 lb-SOX/MMscf (as SO₂), 2.8 lb-PM₁₀/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-PM₁₀/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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-41-5

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. {15} 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: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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: 10/31/2017

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

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, SO_x as (SO₂): 2.85 lb/MMscf, NO_x (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. {3246} 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: 10/31/2017

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

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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-50-5

EXPIRATION DATE: 10/31/2017

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

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: 10/31/2017

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

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

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

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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-54-2

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {1898} 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 III] 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 III] 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 III] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.7 g-NOx/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 III] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.06 g-PM10/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 III] 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 III] 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

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

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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-55-1

EXPIRATION DATE: 10/31/2017

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

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: 10/31/2017

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

1. {1898} 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-NO_x/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

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

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

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

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ATTACHMENT B

Previous Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-377-0-3

EXPIRATION DATE: 10/31/2017

FACILITY-WIDE REQUIREMENTS

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-377-0-3 Jul 28 2017 10:02AM - 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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-3-25

EXPIRATION DATE: 10/31/2017

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

EQUIPMENT DESCRIPTION:

720 MMBTU/HR PISTACHIO HULLING AND DRYING OPERATION #1 WITH TWENTY FOUR 27.0 MMBTU/HR DRYERS AND FOUR 18.0 MMBTU/HR DRYERS, OPERATION MAY BE EQUIPPED WITH THE FOLLOWING 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

1. Column dryers shall be equipped with staggered heaters and fans with premium efficiency electric motors powering fans and augers. [CEQA]
2. Operation shall be equipped with seven receiving pits, each with metering conveyors and precleaner feed conveyor. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall be equipped with seven precleaning leaf blowers, each with a 44" high-efficiency cyclone, trash discharge conveyor, sampler, and nut discharge conveyor. [District NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
5. Units may only be fired on PUC regulated natural gas. [District Rule 2520, 9.3.2] 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 NSR Rule] Federally Enforceable Through Title V Permit
7. Emission rates from dryers listed above shall not exceed any of the following: PM10: 0.0025 lb/MMBtu, SO_x (as SO₂): 0.00285 lb/MMBtu, NO_x (as NO₂): 0.0832 lb/MMBtu, VOC: 0.0038 lb/MMBtu, or CO: 0.021 lb/MMBtu. [District NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
9. Maximum emission rate of PM10 from each of the 44" high-efficiency precleaning cyclones listed above shall not exceed 0.08 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Precleaning operation shall not operate more than 1440 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 Rule 1081 & NSR Rule] 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 Rule 1081 & NSR Rule] 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 Rule NSR Rule & 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Source testing to measure the concentration of particulate matters shall be conducted using EPA Method 5. [District NSR Rule & Rule 4201, 4.1] 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, 9.3.2] 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] Federally Enforceable Through Title V Permit
22. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] 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-377-9-7

EXPIRATION DATE: 10/31/2017

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

EQUIPMENT DESCRIPTION:

PROPYLENE OXIDE FUMIGATION OPERATION WITH 3,428 CU FT STERILIZATION CHAMBER EXHAUSTING TO A WET SCRUBBER

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
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. 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
4. All fumigant shall be vented only to the scrubber. [District Rule 2201] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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
8. The scrubber liquid pH shall not exceed 2.0 during all fumigation chamber venting. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
10. The amount of fumigant used in this chamber shall not exceed 270 lb-PPO/cycle. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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
12. 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
13. The amount of nuts fumigated in this chamber shall not exceed 50 ton in any one day (equivalent to 25 ton (50,000 lb) nutmeats/cycle and 2 cycles/day). [District Rule 2201] Federally Enforceable Through Title V Permit
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] 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. 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-377-19-30

EXPIRATION DATE: 10/31/2017

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

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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 NSR Rule] Federally Enforceable Through Title V Permit
4. There shall be no visible emissions at dryers conveyors aspirators cyclones exhausts. [District NSR Rule] 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 in. stickreels. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Operation shall be equipped with seven precleaner leaf blowers, each with one 44" high-efficiency cyclone preceded by expansion box. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
21. Emission rates for bed type dryers listed above shall not exceed any of the following: 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
24. Emission rates for column type dryers listed above shall not exceed any of the following: 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 NSR Rule] 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 1500 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 Rule NSR Rule & 2520, 9.3.2] 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-377-21-15

EXPIRATION DATE: 10/31/2017

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

EQUIPMENT DESCRIPTION:

PISTACHIO STORAGE OPERATION WITH 176-3 MMBTU/HR HEATERS, OPERATION MAY BE EQUIPPED WITH THE FOLLOWING 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

1. There shall be no visible emissions in excess of 5% opacity at conveyors, conveyor transfer points or storage equipment. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
4. Emission rates for all heaters listed on this permit shall not exceed any of the following: PM10: 2.5 lb/MMscf, SO_x (as SO₂): 2.85 lb/MMscf, NO_x (as NO₂): 83.20 lb/MMscf, VOC: 3.8 lb/MMscf or CO: 21.0 lb/MMscf. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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, 9.3.2] 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 $E=3.59xP^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.31xP^{0.16}$ 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, 9.4.2] 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, 9.4.2] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520, 9.4] 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-377-34-6

EXPIRATION DATE: 10/31/2017

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

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 NSR Rule] 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% CO₂, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
4. Unit shall be only fired on PUC-regulated natural gas. [District NSR Rule, District Rule 4301, 5.2.1 and 40 CFR § 60.42c(d)] 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_x @ 3% O₂ or 0.008 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.005 lb-PM₁₀/MMBtu, 50 ppmv CO @ 3% O₂ or 0.037 lb-CO/MMBtu, or 0.0028 lb-VOC/MMBtu. [District NSR Rule and District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
8. Operator shall provide that fuel hhv 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, 9.3.2, 4305, 6.2.1, 4306, 6.2.1, and 4320, 6.2.1] 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_x 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_x) emission concentrations in ppmv referenced at dry stack emissions shall be corrected to 3% O₂ and lb/MMBtu rates shall be calculated as lb NO₂/MMBtu of heat input (hhv). [District Rules 4305, 8.1, 4306, 8.1, and 4320, 8.1] 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_x (ppmv) - EPA Method 7E or ARB Method 100, NO_x (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_x, CO, and O₂ 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_x or CO concentrations corrected to 3% O₂, 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_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (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, 9.4.2] Federally Enforceable Through Title V Permit
24. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. 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, 9.4.2, 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
26. 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, 13.2] Federally Enforceable Through Title V Permit
27. 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, 13.2] Federally Enforceable Through Title V Permit
28. 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, 13.2] Federally Enforceable Through Title V Permit
29. 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, 13.2] 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-377-35-4

EXPIRATION DATE: 10/31/2017

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

EQUIPMENT DESCRIPTION:

99.5 BHP EMERGENCY STANDBY NATURAL GAS FIRED IC ENGINE WITH DRIVING A 60 KW GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with an operational non-resettable elapsed operating time meter. [District Rule 4702, 5.7] 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 NSR Rule] Federally Enforceable Through Title V Permit
4. The engine shall burn only PUC regulated natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
5. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours per year, as determined by an operational non-resettable elapsed operating time meter. [District Rules 2201, and 4702, 4.3] 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] 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, 5.7] 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, 5.7] 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, 6.2] Federally Enforceable Through Title V Permit
10. 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, 6.2] 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-377-37-4

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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, 5.1] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] 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 NSR Rule] Federally Enforceable Through Title V Permit
4. Emissions shall not exceed 17.3 g-NOx/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 5.7.4 and 17 CCR 93115] 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, 5.7.2] 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, 4.3 and 17 CCR 93115] 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 4702, 6.2 and 2520, 9.4.2 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, 9.4.2 and 17 CCR 93115] 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 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 4702, 6.2 and 2520, 9.4.2 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-377-39-5

EXPIRATION DATE: 10/31/2017

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

EQUIPMENT DESCRIPTION:

3.2 MMBTU/HR SAMPLE DRYING OPERATION WITH 4 MODULAR SAMPLE DRYERS EACH EQUIPPED WITH A 0.8 MMBTU/HR NP-LE AIRFLOW BURNER

PERMIT UNIT REQUIREMENTS

1. Total annual natural gas consumption for all dryers listed on this permit shall not exceed 6.0 MMscf/year. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Emission rates for each dryer listed on this permit shall not exceed any of the following: 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 NSR Rule] 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 NSR Rule] 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, 9.4] 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 Rule 2201 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, 3.0] Federally Enforceable Through Title V Permit
7. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.4] 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-377-40-11

EXPIRATION DATE: 10/31/2017

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

EQUIPMENT DESCRIPTION:

18.62 MMBTU/HR (TOTAL) NATURAL GAS-FIRED ALMOND FINISHING, FLAVORING AND PACKAGING OPERATION INCLUDING: A 0.32 MMBTU/HR PLASTICIZER (WITH 32 BURNERS), THREE INCUS 2.5 MMBTU/HR DIRECT-FIRED DRYERS, 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 CYLONE, 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 NSR Rule] 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 NO₂), 2.85 lb-SOX/MMscf (as SO₂), 2.8 lb-PM₁₀/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 NO₂), 2.85 lb-SOX/MMscf (as SO₂), 7.6 lb-PM₁₀/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 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 NO₂), 2.85 lb-SOX/MMscf (as SO₂), 2.8 lb-PM₁₀/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 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-PM₁₀/MMscf, 8.6 lb-CO/MMscf, or 5.8 lb-VOC/MMscf. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Slicer and sliver lines (two plasticizers and two dryers) natural gas usage shall not exceed 103,500 scf/day and 10.0 MMscf/year. [District NSR Rule] 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 180,000 scf/day and 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 Rule 1070 and 2520, 9.4] 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 Rule 1070 and 2520, 9.4] 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-377-41-4

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
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]
3. 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]
4. The fumigation stacks shall be air tight during the fumigation process. [District Rule 4102]
5. 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]
6. Daily emissions of phosphine (hydrogen phosphide) shall not exceed 350 lbs (equivalent to 1,100 lbs-aluminum phosphide fumigant). [District Rule 4102]
7. Annual emissions of phosphine (hydrogen phosphide) shall not exceed 10,000 lbs (equivalent to 32,000 lbs-aluminum phosphide fumigant). [District Rule 4102]
8. Profume (sulfuryl fluoride) usage shall not exceed 12,000 lbs/day or 40,000 lbs/year. [District Rule 4102]
9. 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]
10. 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-377-43-3

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Fumigation chamber is authorized to operate only at the following Paramount Farms' 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 12,000 lbs/day or 40,000 lbs/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-377-44-3

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Fumigation chamber is authorized to operate only at the following Paramount Farms' 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 12,000 lbs/day or 40,000 lbs/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-377-45-3

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Fumigation chamber is authorized to operate only at the following Paramount Farms' 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 12,000 lbs/day or 40,000 lbs/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-377-46-3

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Fumigation chamber is authorized to operate only at the following Paramount Farms' 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 12,000 lbs/day or 40,000 lbs/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-377-47-6

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

3.0 MMBTU/HR GAS FIRED ARTIFICIAL PISTACHIO OPENING OPERATION WITH FOUR 4.0 MMBTU/HR HEATERS DERATED BY ORIFICE DISK TO 0.75 MMBTU/HR EACH, OPERATION MAY BE EQUIPPED WITH THE FOLLOWING 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

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: 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, 9.4.2] 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-377-49-5

EXPIRATION DATE: 10/31/2017

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

1. No air contaminant shall be released into the atmosphere which causes a public 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. VOC emissions from the coating operation shall not exceed 42.0 lb/day or 3,000 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter (PM10) emission rate (including painting and priming) shall not exceed 7.0 lb/day or 501 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. 1.0 MMBtu/hr heater shall not be operated more than 16 hours/day. [District Rule 2020] 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), and 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 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: manufacturer's 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) or safety data sheets (SDS) 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-377-50-3

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

41.0 MMBTU/HR 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 A 5.0 MMBTU/HR BED ROASTER SERVED BY A BAGHOUSE

PERMIT UNIT REQUIREMENTS

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 dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. 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. Dust collector 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 dust collector 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 dust collectors 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: 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: 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-377-52-0

EXPIRATION DATE: 10/31/2017

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 ASSEMBLYS SERVING CLASSIFICATION DECKS, 83,000 CFM FABRIC COLLECTOR SERVING ASPIRATORS, AND ASSOCIATED ELEVATORS, AND AUGERS, AND CONVEYORS

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102] Federally Enforceable Through Title V Permit
2. 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] 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] 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] Federally Enforceable Through Title V Permit
7. Material removed from the dust collector(s) 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. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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-377-54-1

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
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. 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]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
6. Emissions from this IC engine shall not exceed any of the following limits: 2.7 g-NOx/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]
7. Emissions from this IC engine shall not exceed 0.06 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115]
8. This engine shall be operated only for testing and maintenance of the engine, 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". 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]
9. 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 and 17 CCR 93115]
10. 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 Rule 4702 and 17 CCR 93115]
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]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-377-55-0

EXPIRATION DATE: 10/31/2017

EQUIPMENT DESCRIPTION:

PROPYLENE OXIDE OFF-GASSING OPERATION CONDUCTED INSIDE BUILDING [APPROX. SIZE 59 FT (L) X 39 FT (W) X 23 FT (H)] WITH TWO EXHAUST FANS

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
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. 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
4. 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]
5. 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
6. The amount of fumigated nuts transferred to this warehouse from the fumigation chamber shall not exceed 50 ton in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The amount of fumigated nuts stored in this warehouse for off-gassing shall not exceed 10,324,104 lb in one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. VOC (PPO) emissions from this operation shall not exceed 39.6 lb in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. 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
10. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 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-377-56-0

EXPIRATION DATE: 10/31/2017

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

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] Federally Enforceable Through Title V Permit
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. 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, 0.92g-CO/bhp-hr, or 0.06 g-VOC/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
6. 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
7. 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
8. 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
9. 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
10. This IC engine shall be equipped with a three-way catalyst and shall be fired on natural gas fuel only. [District Rule 2201]
11. 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
12. 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

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

13. 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
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

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

ATTACHMENT C

Detailed Summary List of Facility Permits

Detailed Facility Report

For Facility=377 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

WONDERFUL PISTACHIOS & ALMONDS		FAC #	S 377	TYPE:	TitleV	EXPIRE ON:
3.5 MILES NORTH OF HWY 46 ON HWY 33		STATUS:	A	TOXIC ID:	60335	AREA:
LOST HILLS, CA		TELEPHONE:				INSP. DATE:
						10/31/2017
						3 / 09/17

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-377-3-25	396 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	720 MMBTU/HR PISTACHIO HULLING AND DRYING OPERATION #1 WITH TWENTY FOUR 27.0 MMBTU/HR DRYERS AND FOUR 18.0 MMBTU/HR DRYERS, OPERATION MAY BE EQUIPPED WITH THE FOLLOWING 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)
S-377-9-7	50 -100 hp	3020-01 C	1	217.00	217.00	A	PROPYLENE OXIDE FUMIGATION OPERATION WITH 3,428 CU FT STERILIZATION CHAMBER EXHAUSTING TO A WET SCRUBBER
S-377-19-30	631.5 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	631.5 MMBTU/HR NATURAL GAS-FIRED PISTACHIO HULLING AND DRYING OPERATION #2
S-377-21-15	555 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	PISTACHIO STORAGE OPERATION WITH 176-3 MMBTU/HR HEATERS, OPERATION MAY BE EQUIPPED WITH THE FOLLOWING 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)
S-377-34-6	21 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	21 MMBTU/HR CLEAVER BROOKS MODEL CB700X (500 HP) NATURAL GAS-FIRED BOILER WITH A NT1700-500 ULTRA LOW NOX BURNER
S-377-35-4	99.5 bhp	3020-10 A	1	88.00	88.00	A	99.5 BHP EMERGENCY STANDBY NATURAL GAS FIRED IC ENGINE WITH DRIVING A 60 KW GENERATOR
S-377-37-4	188 bhp IC engine	3020-10 B	1	129.00	129.00	A	188 BHP CLARKE MODIFIED DETROIT MODEL #DDFP-04AT DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP
S-377-39-5	3.2 MM Btu/hr	3020-02 F	1	666.00	666.00	A	3.2 MMBTU/HR SAMPLE DRYING OPERATION WITH 4 MODULAR SAMPLE DRYERS EACH EQUIPPED WITH A 0.8 MMBTU/HR NP-LE AIRFLOW BURNER
S-377-40-11	18.6 MMBtu	3020-02 G	1	893.00	893.00	A	18.62 MMBTU/HR (TOTAL) NATURAL GAS-FIRED ALMOND FINISHING, FLAVORING AND PACKAGING OPERATION INCLUDING: A 0.32 MMBTU/HR PLASTICIZER (WITH 32 BURNERS), THREE INCUS 2.5 MMBTU/HR DIRECT-FIRED DRYERS, 3.6 MMBTU/HR PROCTOR SCHWARTZ DRYER #2 (WITH TWO BURNERS), ONE 3.6 MMBTU/HR AEROGELIDE NUT DRYER #2 (WITH TWO BURNERS) VENTED TO A CYCLONE, ONE 4.0 MMBTU/HR AEROGELIDE NUT DRYER #3 VENTED TO TWO CYCLONE ASSEMBLIES, AND ASSOCIATED PERMIT-EXEMPT EQUIPMENT
S-377-41-4	18 bhp	3020-01 A	1	97.00	97.00	A	HYDROGEN PHOSPHIDE (PHOSPHINE GAS) AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION OPERATION CONDUCTED IN SILOS, BIN STACKS, AND FUMIGATION BUILDING

Detailed Facility Report
For Facility=377 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	TOTAL FEE	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-377-43-3	3 HP	3020-01 A	1	97.00	97.00	A	METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)
S-377-44-3	3 HP	3020-01 A	1	97.00	97.00	A	METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)
S-377-45-3	3 HP	3020-01 A	1	97.00	97.00	A	METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)
S-377-46-3	3 HP	3020-01 A	1	97.00	97.00	A	METHYL BROMIDE AND SULFURYL FLUORIDE (PROFUME GAS) FUMIGATION CHAMBER (OPERATED AT VARIOUS SPECIFIED LOCATIONS)
S-377-47-6	7.0 MMBtu/hr	3020-02 G	1	893.00	893.00	A	3.0 MMBTU/HR GAS FIRED ARTIFICIAL PISTACHIO OPENING OPERATION WITH FOUR 4.0 MMBTU/HR HEATERS DERATED BY ORIFICE DISK TO 0.75 MMBTU/HR EACH, OPERATION MAY BE EQUIPPED WITH THE FOLLOWING 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)
S-377-49-5	30 hp	3020-01 B	1	129.00	129.00	A	COATING OPERATION FOR CARBON STEEL SUBSTRATES USING ELECTROSTATIC SPRAY GUN, A PAINT SPRAY BOOTH WITH DRY EXHAUST FILTERS, AND AN ENCLOSED GUN CLEANER
S-377-50-3	41.0 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	41.0 MMBTU/HR 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 A 5.0 MMBTU/HR BED ROASTER SERVED BY A BAGHOUSE
S-377-52-0	960 HP	3020-01 G	1	893.00	893.00	A	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 ASSEMBLYS SERVING CLASSIFICATION DECKS, 83,000 CFM FABRIC COLLECTOR SERVING ASPIRATORS, AND ASSOCIATED ELEVATORS, AND AUGERS, AND CONVEYORS
S-377-54-1	305 bhp	3020-10 C	1	264.00	264.00	A	305 BHP JOHN DEERE MODEL JU6H-UFADX8 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A FIREWATER PUMP
S-377-55-0	miscellaneous	3020-06	1	116.00	116.00	A	PROPYLENE OXIDE OFF-GASSING OPERATION CONDUCTED INSIDE BUILDING [APPROX. SIZE 59 FT (L) X 39 FT (W) X 23 FT (H)] WITH TWO EXHAUST FANS
S-377-56-0	189 bhp IC engine	3020-10 B	1	129.00	129.00	A	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