



**OCT 27 2016**

Mr. Chris Kaji  
Sensient Natural Ingredients LLC  
Attn: Sr. Corporate EHS Engineer  
P. O. Box 279  
Cressey, CA 95312

**Re: Notice of Preliminary Decision – Title V Permit Renewal  
District Facility # N-1657  
Project # N-1151197**


Dear Mr. Kaji:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Sensient Natural Ingredients LLC at 9984 West Walnut Avenue, Livingston, 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. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,



Arnaud Marjollet  
Director of Permit Services

Enclosures

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

Seyed Sadredin  
Executive Director/Air Pollution Control Officer

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4800 Enterprise Way  
Modesto, CA 95356-8718  
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# SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

Title V Permit Renewal Evaluation  
Sensient Natural Ingredients, Inc.  
N-1657

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**TITLE V PERMIT RENEWAL EVALUATION**  
DEHYDRATION OF VEGETABLES

**Engineer:** Rupi Gill  
**Lead Engineer:** Nick Peirce  
**Date:** October 17, 2016

**Facility Number:** N-1657  
**Facility Name:** Sensient Natural Ingredients, LLC  
**Mailing Address:** P O Box 279  
Cressey, CA 95312  
**Contact Name:** Chris Kaji  
**Phone:** 209-656-5826

**Responsible Official:** Joseph F. Martins  
**Title:** Director of Operations

**Project # :** N-1151197  
**Deemed Complete:** August 10, 2015

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**I. PROPOSAL**

Sensient Natural Ingredients submitted a permit application to renew their Title V permit. During this renewal process, the existing permits will be reviewed and revised to include up to date requirements of all applicable District, State and Federal rules that were adopted or amended since the issuance of the previous Title V permit on October 07, 2010.

The purpose of this document 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**

Sensient Natural Ingredients vegetable dehydration facility is located at 9984 West Walnut Avenue, Livingston, California.

### 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 has requested to use the following model general permit templates:

#### A. Template SJV-UM-03 Facility-wide Umbrella

The applicant has requested to utilize template 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 Operating Permit are based on model general permit templates that have been previously subject to EPA and public review. The terms and conditions from the model general permit templates are included in the proposed permit and are 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 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.

- Conditions 1 through 40 of permit unit N-1657-0-3, including their underlying applicable requirements, originate from the model general permit template and are not subject to further EPA and Public review.

### VI. FEDERALLY ENFORCEABLE REQUIREMENTS

#### Rules Addressed by General Permit Template

- District Rule 1100, Equipment Breakdown, (amended December 17, 1992)
- District Rule 1160, Emission Statements, (adopted November 18, 1992)

- District Rule 2010, Permits Required, (amended December 17, 1992)
- District Rule 2020, Exemptions, (amended July 21, 1994, ⇒ amended December 20, 2007)
- District Rule 2031, Transfer of Permits, (amended December 17, 1992)
- District Rule 2040, Applications, (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 2520, Federally Mandated Operating Permits, Sections 5.2, 9.1.1, 9.4, 9.5, 9.7, 9.8, 9.9, 9.13.1, 9.13.2, 9.16, and 10.0, (amended June 21, 2001 )
- District Rule 4101, Visible Emissions, (amended November 15, 2001 ⇒ amended February 17, 2005)
- District Rule 4601, Architectural Coatings, (amended October 31, 2001 ⇒ amended December 17, 2009)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8031, Bulk Materials, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8041, Carryout and Trackout, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8051, Open Areas, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas, (adopted November 15, 2001; amended September 16, 2004)

- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos, (amended September 18, 2003)
- 40 CFR Part 82, Subpart B, Stratospheric Ozone, (amended November 9, 2007)
- 40 CFR Part 82, Subpart F, Stratospheric Ozone, (amended June 8, 2008)

### **Rules Not Addressed by General Permit Template**

#### **A. Rules Updated**

- District Rule 2020, Exemptions (amended August 18, 2011; amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended February 18, 2016)
- District Rule 4702, Internal Combustion Engines (amended November 14, 2013)
- District Rule 4612, Motor Vehicle and Mobile Equipment Coating Operations (amended October 21, 2010)
- 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 February 27, 2014)
- 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (Amended February 27, 2014)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (Amended June 25, 2013)
- 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction (Amended June 25, 2013)

- 40 CFR Part 64, Compliance Assurance Monitoring (CAM)

**B. Rules Not Updated**

- District Rule 1070, Inspections, (amended December 17, 1992)
- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling, (amended December 16, 1993)
- District Rule 1100, Equipment Breakdown, (amended December 17, 1992)
- 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 2520, Federally Mandated Operating Permits, (amended June 21, 2001 )
- District Rule 4101, Visible Emissions (amended November 15, 2001, 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 4305, Boilers, Steam Generators, and Process Heaters – Phase 2, (amended August 21, 2003)
- District Rule 4305, 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 4351, Boilers, Steam Generators, and Process Heaters – Phase I, (amended August 21, 2003)
- District Rule 4701, Internal Combustion Engines – Phase I, (amended August 21, 2003)
- District Rule 4801, Sulfur compounds, (amended December 17, 1992) (Non SIP replacement for Stanislaus County Rule 407)

**C. Rules Added**

- District Rule 2410, Prevention of Significant Deterioration (Effective November 26, 2012)

**D. Rules Deleted**

None

## **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**

None

**B. Rules Not Updated**

- 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)
- Title 17 California Code of Regulations (CCR) Section 93115, Airborne Toxic Control Measure for Stationary Compression Ignition Engines  
(Adopted February 26, 2004)

## VIII. PERMIT REQUIREMENTS

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will only address rules that have been amended or added since the issuance of the initial Title V permit.

### **District Rule 2020: Exemptions**

This rule was amended on August 18, 2011 and December 18, 2014, and these most current versions of rule have not yet been approved into the State Implementation Plan (SIP). However, these amendments to this rule do not affect any of the permits for this facility. Therefore, no further discussion is necessary.

### **District Rule 2201: New and Modified Stationary Source Review Rule**

This rule applies to all new stationary sources and all modifications to existing stationary sources which are subject to the District permit requirements and after construction emit or may emit one or more affected pollutant. The requirements of this rule in effect on the date the application is determined to be complete by the Air Pollution Control Officer (APCO) shall apply to such application.

This rule's applicability and requirements (e.g., BACT, Offsets, public notice, compliance assurance, etc.) were evaluated while processing each project received from the facility since the previous Title V renewal. The applicable requirements were already incorporated into Title V permit either via Certificate of

Conformity (COC), Minor Modification, or Significant Modification. Therefore, the requirements for new and modified units to which this version of the rule applies are up-to-date, and no additional conditions are required.

Following is the list of Authority to Construct (ATC) projects issued since the previous TV renewal 10/07/2010 & the associated TV modification project and Permit to Operate (PTO) status:

<b>Date Final</b>	<b>ATC Project</b>	<b>TV Modification</b>	<b>Description</b>	<b>Status</b>
02/17/11	N-1110269 (ATC - 36-1)	N-1110270	Modification to add an additional baghouse	PTO
03/05/12	N-1113831 (-15-8)	N-1121931	Modification to boiler to limit NOx from 15 to 9 ppmvd	PTO
02/12/13	N-1130095 (-37-0 & -38-0)	N-1132524	Vacuum cleaning operation	PTO
11/25/13	N-1133128 (-40-0 & -41-0)	N-1141278	Central vacuum system	PTO
10/28/13	N-1133165 (-43-0)	N-1141278	New emergency fire pump	PTO
03/03/15	N-1150335 (-15-9)	N-1150216	Change monitoring plan for the boiler	PTO

#### **District Rule 2410, Prevention of Significant Deterioration**

The provisions of this rule shall apply to any source and the owner or operator of any source subject to any requirement under Title 40 Code of Federal Regulations (40 CFR) Part 52.21 as incorporated into this rule.

Section 4.1 of the rule states that an owner or operator must obtain a PSD permit pursuant to this Rule before beginning actual construction of a new major stationary source, a major modification, or a plant wide applicability limitation (PAL) major modification, as defined in 40 CFR 52.21(b).

Each project undertaken by the District since November 26, 2012 (effective date of Rule 2410) addresses the requirements of Rule 2410 by evaluating facility's potential and project's potential emissions for each pollutant and comparing those potentials to the applicable major source thresholds under PSD. The requirements (if any) are already included in the permits. Therefore, the current permits are up-to-date, and no additional permit conditions are required.

**District Rule 4702: Internal Combustion Engines**

The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SOx) from internal combustion engines. The rule applies to any internal combustion engine rated at 25 brake horsepower or greater.

The most current version of this rule (11/14/13) has not been approved into the SIP. However, the requirements for emergency standby internal combustion engine from the SIP approved version to the latest non-SIP approved version of this rule have not been changed. Requirements are detailed below:

**Emergency firepump engine:**

The following table summarizes the permit # and equipment description of the fire pump engine at this facility.

Permit	Description
<b>Emergency Fire Pump IC Engine</b>	
N-1657-43-2	204 BHP CUMMINS MODEL CFP7E-F30 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A FIRE PUMP

Section 4.3 of this rule states that except for the administrative requirements of Section 6.2.3, the requirements of this rule shall not apply to an internal combustion engine that meets the following conditions:

1. The engine is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as fire or flood; and
2. Except for operations associated with Section 4.3.1.1, the engine is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine; and
3. The engine is operated with an operational nonresettable elapsed time meter.

The above engine meets the criteria of this exemption and the following administrative requirements are applicable.

<b>District Rule 4702 Requirements Emergency Fire Pumps Engine</b>
Records of the total hours of operation of the emergency standby engine, type of fuel used, purpose for operating the engine, all hours of non-emergency and emergency operation, and support documentation must be maintained. All records shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request.

Following table shows the corresponding permit condition # for the permit unit which enforces the above requirements.

<b>Permit</b>	<b>Conditions that enforces the above exemption and applicable requirements</b>
<b>Emergency Firepump Engines</b>	
N-1657-43-2	6 & 9 through 12

#### **District Rule 4612: Motor Vehicle and Mobile Equipment Coating Operations**

The purpose of this rule is to limit volatile organic compound (VOC) emissions from coatings associated with the coatings of motor vehicles, mobile equipment, and associated parts and components. It also limits the VOC emissions from the organic solvent cleaning, storage, and disposal associated with such operations.

District Rule 4612 Requirements	Conditions that enforces compliance & changes made to conform to the current rule																																
<p>Section 5.1 states that no person shall apply to any motor vehicle, mobile equipment, or associated parts and components, any coating with a VOC regulatory content, as calculated pursuant to Section 3.45.1, in excess of an applicable limit in Table 1, except as provided in Section 5.3.</p> <table border="1" data-bbox="237 575 941 1451"> <thead> <tr> <th colspan="2" data-bbox="237 575 941 638">Rule 4612 Emission Limits (Table 1)</th> </tr> <tr> <th data-bbox="237 638 609 737">Coating Category</th> <th data-bbox="609 638 941 737">VOC Regulatory Limit, as applied, in grams/liter (pounds per gallon)</th> </tr> <tr> <td colspan="2" data-bbox="237 737 941 789">Effective after 1/1/2010</td> </tr> </thead> <tbody> <tr> <td data-bbox="237 789 609 842">Adhesion Promoter</td> <td data-bbox="609 789 941 842">540 (4.5)</td> </tr> <tr> <td data-bbox="237 842 609 894">Clear Coating</td> <td data-bbox="609 842 941 894">250 (2.1)</td> </tr> <tr> <td data-bbox="237 894 609 947">Color Coating</td> <td data-bbox="609 894 941 947">420 (3.5)</td> </tr> <tr> <td data-bbox="237 947 609 999">Multi-Color Coating</td> <td data-bbox="609 947 941 999">680 (5.7)</td> </tr> <tr> <td data-bbox="237 999 609 1052">Pretreatment Coating</td> <td data-bbox="609 999 941 1052">660 (5.5)</td> </tr> <tr> <td data-bbox="237 1052 609 1104">Primer</td> <td data-bbox="609 1052 941 1104">250 (2.1)</td> </tr> <tr> <td data-bbox="237 1104 609 1157">Primer Sealer</td> <td data-bbox="609 1104 941 1157">250 (2.1)</td> </tr> <tr> <td data-bbox="237 1157 609 1209">Single-Stage Coating</td> <td data-bbox="609 1157 941 1209">340 (2.8)</td> </tr> <tr> <td data-bbox="237 1209 609 1262">Temporary Protective Coating</td> <td data-bbox="609 1209 941 1262">60 (0.5)</td> </tr> <tr> <td data-bbox="237 1262 609 1314">Truck Bed Liner Coating</td> <td data-bbox="609 1262 941 1314">310 (2.6)</td> </tr> <tr> <td data-bbox="237 1314 609 1367">Underbody Coating</td> <td data-bbox="609 1314 941 1367">430 (3.6)</td> </tr> <tr> <td data-bbox="237 1367 609 1419">Uniform Finish Coating</td> <td data-bbox="609 1367 941 1419">540 (4.5)</td> </tr> <tr> <td data-bbox="237 1419 609 1472">Any other coating type</td> <td data-bbox="609 1419 941 1472">250 (2.1)</td> </tr> </tbody> </table>	Rule 4612 Emission Limits (Table 1)		Coating Category	VOC Regulatory Limit, as applied, in grams/liter (pounds per gallon)	Effective after 1/1/2010		Adhesion Promoter	540 (4.5)	Clear Coating	250 (2.1)	Color Coating	420 (3.5)	Multi-Color Coating	680 (5.7)	Pretreatment Coating	660 (5.5)	Primer	250 (2.1)	Primer Sealer	250 (2.1)	Single-Stage Coating	340 (2.8)	Temporary Protective Coating	60 (0.5)	Truck Bed Liner Coating	310 (2.6)	Underbody Coating	430 (3.6)	Uniform Finish Coating	540 (4.5)	Any other coating type	250 (2.1)	<p>Since the current version of this rule lowered the VOC content requirements for certain type of coatings. Therefore condition #8 from the previous TV permit N-1657-30-2 will be replaced with the following condition #8 to use coatings that will meet the VOC content requirements of this rule. The following condition will be listed on the renewed permit N-1657 -30-3 to ensure compliance:</p> <ul style="list-style-type: none"> <li data-bbox="1013 785 1536 1373">• The VOC Regulatory content of coatings, as applied shall not exceed any of the following limits: adhesion promoter 540 g/l (4.5 lb/gal), clear coating 250 g/l (2.1 lb/gal), color coating 420 g/l (3.5 lb/gal), multi-color coating 680 g/l (5.7 lb/gal), pretreatment coating 660 g/l (5.5 lb/gal), primer 250 g/l (2.1 lb/gal), primer sealer 250 g/l (2.1 lb/gal), single-stage coating 340 g/l (2.8 lb/gal), temporary protective coating 60 g/l (0.5 lb/gal), truck bed liner coating 310 g/l (2.6 lb/gal), underbody coating 430 g/l (3.6 lb/gal), uniform finish coating 540 g/l (4.5 lb/gal), and any other coating type 250 g/l (2.1 lb/gal). The VOC Regulatory content for coatings shall be defined as the VOC in grams per liter of coating (or pounds per gallon of coating), excluding water and exempt compounds. [District Rule 4612, 5.1]</li> </ul>
Rule 4612 Emission Limits (Table 1)																																	
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<p>Section 5.2 requires that if anywhere on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature, any representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in section 5.1, then the lowest applicable VOC content limit in Table 1 shall apply.</p>	<p>Condition #9 will be retained from the current permit.</p>																																
<p>Section 5.4 requires that no person shall possess at any automotive refinishing facility, any automotive coating that is not in compliance with Section 5.1 of the rule.</p>	<p>Condition #10 will be retained from the current permit with revised rule reference section # changed from 5.5 to 5.4.</p>																																

<p>Section 5.7, Coating Application Methods, states that except for underbody coatings, graphic arts operations, truck bed liner coatings, or any coating use of less than one fluid ounce, no person shall apply any coating to any motor vehicle, mobile equipment, or associated parts or components unless of one of the following application methods is used:</p> <ol style="list-style-type: none"> <li>1. Brush, dip or roller.</li> <li>2. Electrostatic spray.</li> <li>3. High-volume Low-pressure (HVLP) spray equipment.</li> </ol>	<p><i>Condition #11 &amp; 12 will be retained from the current permit with revised rule reference section # changed from 5.8 to 5.7.</i></p>
<p>Section 5.8 requires that, for solvent cleaning operations other than for bug and tar removal, a person shall not use solvents that have VOC content greater than 25 grams VOC per liter of cleaning material. This section also requires that for bug and tar removal, a person shall not use any material other than bug and tar remover regulated under the Consumer Products Regulation (California Code of Regulations Section 94507 et seq.).</p>	<p><i>Condition #13 will be retained from the current permit with revised rule reference section # changed from 5.9 to 5.8.</i></p>
<p>Section 5.9 requires that a person shall store or dispose of fresh or spent solvents, waste solvent cleaning materials such as cloth, paper, etc., coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers; and that the containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty.</p>	<p><i>Condition #14 will be retained from the current permit with revised rule reference section # changed from 5.10 to 5.9.</i></p>
<p>Sections 6.3, 6.4, &amp; 6.5 lists the record keeping requirements for motor vehicle and mobile equipment coating operations.</p>	<p><i>Conditions #15, 16 &amp; 17 will be retained from the current permit.</i></p>

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

This subpart applies to steam generating units that are constructed, reconstructed, or modified after 6/9/89 and have a maximum design heat input capacity of 100 MMBtu/hr or less, but greater than or equal to 10 MMBtu/hr. Subpart Dc has standards for SO<sub>x</sub> and PM<sub>10</sub> emissions.

The boiler permit N-1657-15 is rated at 14.7 MMBtu/hr and is subject to the requirements of this subpart.

*60.42c – Standards for Sulfur Dioxide*

Since coal is not combusted in the boiler, the requirements of this section are not applicable.

*60.43c – Standards for Particulate Matter*

The boiler is not fired on coal, combusts mixtures of coal with other fuels, combusts wood, combusts mixture of wood with other fuels, or oil; therefore they will not be subject to the requirements of this section.

*60.44c – Compliance and Performance Tests Methods and Procedures for Sulfur Dioxide*

The boiler is not subject to the sulfur dioxide requirements of this subpart. Therefore, this section is not applicable to this unit.

*60.45c – Compliance and Performance Test Methods and Procedures for Particulate Matter*

The boiler is not subject to the particulate matter requirements of this subpart. Therefore, this section is not applicable to this unit.

*60.46c – Emission Monitoring for Sulfur Dioxide*

The boiler is not subject to the sulfur dioxide requirements of this subpart. Therefore, this section is not applicable to this unit.

*60.47c – Emission Monitoring for Particulate Matter*

The boiler is not subject to the particulate matter requirements of this subpart. Therefore, this section is not applicable to this unit.

*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 is listed in the permit. No additional conditions are required for on-going compliance with this requirement.

- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel mixture of fuels under §60.42c or §40.43c.

This requirement is not applicable since the unit is not subject to §60.42c or §60.43c.

- (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.

The facility is not proposing to establish an annual capacity factor for the boiler.

- (4) Notification if an emerging technology will be used for controlling SO<sub>2</sub> 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 unit is not equipped with emerging technology used to control SO<sub>2</sub> emissions.

Section 60.48 (g)(1) states that except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day. Section 60.48 (g)(2) states that as an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO<sub>2</sub> standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

The permit for this boiler has the following condition:

- *Records of the monthly and annual heat input of the unit shall be maintained.*  
*[District Rule 4001 and 40 CFR Part 60 Subpart Dc Paragraph 60.48c(g)(2)]*  
Y

Compliance is expected with this subpart.



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

§ 60.4200 *Am I subject to this subpart?*

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) Manufacturers of stationary CI ICE with a displacement of less than 30 liters per cylinder where the model year is:

- (i) 2007 or later, for engines that are not fire pump engines;
- (ii) The model year listed in Table 3 to this subpart or later model year, for fire pump engines (i.e., starting 2009 year model for  $175 \leq \text{HP} \leq 750$ ).

(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:

- (i) Manufactured after April 1, 2006, and are not fire pump engines, or
- (ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

(3) Owners and operators of any stationary CI ICE that are modified or reconstructed after July 11, 2005 and any person that modifies or reconstructs any stationary CI ICE after July 11, 2005.

(4) The provisions of §60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

For the engines for which the installation occurred prior to July 11, 2005 such engines are not subject to the requirements of this subpart and these engines are subject to 40 CFR Part 63 Subpart ZZZZ.

The following table summarizes startup date of each engine and whether it is subject to this subpart:

Permit	Engine Description	Model Year/ Installation date	Source (Project)	Subject to IIII
N-1657-43-2	204 BHP emergency engine powering a fire pump	2009 Model	N1133165	Yes

Engine -43-2 is subject to Subpart III. This unit was incorporated into the existing TV under the following TV modification projects:

Date Final	ATC Project	TV Modification	TV Modification Issued	Status
10/28/13	N-1133165 (ATC -43-0)	N-1141278	10/04/16	PTO

This engine is certified EPA engine as per this subpart (see Appendix E) and during the initial permitting this subpart was addressed for this engine. Initial permitting for this engine was subject to the District NSR and 4702 Rule and 17 CCR 93115 (ATCM) requirements which are at least or more stringent than the requirements of this subpart.

Permit -43-1 already has reference to the applicability of this subpart to the each condition and this reference will be retained on the renewed permit -43-2.

The following table demonstrates how the proposed engine will comply with the requirements of 40 CFR 60 Subpart IIII.

40 CFR 60 Subpart IIII Requirements for New Emergency IC Engines Powering a Fire Pump	Proposed Method of Compliance with 40 CFR 60 Subpart IIII Requirements								
<p>Per Table 4 of Subpart IIII, the following emission standards are applicable to a 2009 model year (or later) 204 bhp emergency IC engine powering a fire pump.</p> <table border="1"> <thead> <tr> <th>Max Engine Power</th> <th>NOx + VOC (g/bhp-hr)</th> <th>CO (g/bhp-hr)</th> <th>PM (g/bhp-hr)</th> </tr> </thead> <tbody> <tr> <td>175 ≤ HP &lt; 300</td> <td>3.0</td> <td>2.6</td> <td>0.15</td> </tr> </tbody> </table>	Max Engine Power	NOx + VOC (g/bhp-hr)	CO (g/bhp-hr)	PM (g/bhp-hr)	175 ≤ HP < 300	3.0	2.6	0.15	<p>The engine meets these emission standards. Condition #4 &amp; #5 enforces emission rates for the engine.</p>
Max Engine Power	NOx + VOC (g/bhp-hr)	CO (g/bhp-hr)	PM (g/bhp-hr)						
175 ≤ HP < 300	3.0	2.6	0.15						
<p>The engine must be fired on 15 ppm sulfur content fuel or less, and fuel with a minimum centane index of 40 or a maximum aromatic content of 35 percent by volume.</p>	<p>Condition #3 enforces the sulfur content for the engine.</p>								

<p>The operator/owner must install a non-resettable hour meter prior to startup of the engine.</p>	<p>The following condition enforces hour meter requirement on the permit (condition #6):</p> <ul style="list-style-type: none"> <li><i>This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ]</i></li> </ul>
<p>Emergency engines may be operated for the purpose of maintenance and testing up to 100 hours per year. There is no limit on emergency use.</p>	<p>The following condition enforces the hours of maintenance and testing on the permit (condition #9):</p> <ul style="list-style-type: none"> <li><i>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" 2002 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 4102 and 4702, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ]</i></li> </ul>
<p>The owner/operator must operate and maintain the engine and any installed control devices according to the manufacturers written instructions.</p>	<p>The following condition enforces the engine maintenance on the permit (condition #7):</p> <ul style="list-style-type: none"> <li><i>This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ]</i></li> </ul>

**40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

This subpart is applicable to any stationary recipricating internal combustion engine (RICE) at a major or area source of HAP (Hazardous Air Pollutant)

emissions, except if the stationary engine is being tested at a stationary engine test cell/stand. A major source of HAP emissions is a facility that has the potential to emit any single HAP at a rate of 10 tons/year or greater or any combinations of HAPs at a rate of 25 tons/year or greater. An area source of HAP emissions is a source that is not a major source of HAP emissions.

40 CFR 63 Subpart ZZZZ Section §63.6590(c) states that the following engines must meet the requirements of this subpart by meeting the requirements of 40 CFR 60 Subpart IIII, for compression ignition engines, and no further requirements of Subpart ZZZZ apply to such engines:

- 1) A new stationary RICE located at an area source of HAP emissions
- 2) A new emergency use stationary RICE with a site rating of less than or equal to 500 brake HP locate at a major source of HAP emissions

The 204 bhp emergency use compression ignition IC engine will fall into one of the above two categories. Therefore, compliance with 40 CFR 63 Subpart ZZZZ is solely satisfied by complying with 40 CFR 60 Subpart III requirements.

As discussed in 40 CFR 60 Subpart IIII Section above, the permit conditions for the engine enforces compliance with the requirements of 40 CFR 60 Subpart IIII. Therefore, compliance with 40 CFR 63 Subpart ZZZZ is expected.

Compliance is expected with this subpart.

#### **40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners**

There are applicable requirements from Title VI of the CAA (Stratospheric Ozone) that apply to all sources. These requirements pertain to air conditioners, chillers and refrigerators located at a Title V source and to disposal of air conditioners or maintenance/recharging/disposal of motor vehicle air conditioners (MVAC). These requirements are addressed in condition 28 of draft Title V permit N-1657-0-3.

#### **40 CFR Part 82, Subpart F, Recycling and Emissions Reduction**

There are applicable requirements from Title VI of the CAA (Stratospheric Ozone) that apply to all sources. These requirements pertain to air conditioners, chillers and refrigerators located at a Title V source and to disposal of air conditioners or maintenance/recharging/disposal of motor vehicle air conditioners (MVAC). These requirements are addressed in condition 28 of draft Title V permit N-1657-0-3.

**40 CFR Part 64 – Compliance Assurance Monitoring**

40 CFR Part 64 requires Compliance Assurance Monitoring (CAM) for units that meet 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 (devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers); and
- 2) the unit must have a pre-control potential to emit (PE) of greater than the major source thresholds.

<b>Pollutant</b>	<b>Major Source Threshold (lbs/yr)</b>
VOC	20,000
NOx	20,000
CO	200,000
PM2.5	140,000
PM10	140,000
SOx	140,000

Following is the list of currently permitted units at this facility:

<b>Permit Number</b>	<b>Permit Description</b>	<b>Control Device</b>	<b>Emission Limit</b>
N-1657-1-3	DEHYDRATOR #6: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS FIRED DEHYDRATOR	No	Yes
N-1657-2-6	PROCTOR & SCHWARTZ NATURAL GAS-FIRED FOUR-STAGE VEGETABLE DEHYDRATOR (#1) WITH A 65 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM	No	Yes
N-1657-3-6	PROCTOR & SCHWARTZ NATURAL GAS-FIRED FOUR-STAGE VEGETABLE DEHYDRATOR (#2) WITH A 65 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM	No	Yes
N-1657-4-2	ONION MILL SERVED BY A PRIMARY AND A SECONDARY BAGHOUSE	Yes	No
N-1657-5-2	GARLIC BIN DRYERS SERVED BY THREE (3) 8 MMBTU/HR NATURAL GAS-FIRED BURNERS, EACH WITH AN ALLADIN TYPE BA540 FAN	No	No
N-1657-6-2	D-STAGE (STEAM HEATED) FOR PROCTOR & SCHWARTZ DEHYDRATOR #2	No	No
N-1657-7-2	ONION & GARLIC DEHYDRATOR SERVED BY A MICRO PULSAIRE MODEL 1325-8-20 BAGHOUSE	Yes	No

	AND A MAC H60 CYCLONE		
N-1657-8-5	GARLIC CRACKING LINE SERVED BY TWO CYCLONES AND A CARTER DAY MODEL 232-RF8 BAGHOUSE	Yes	Yes
N-1657-9-2	DEHYDRATOR #3: 50.0 MMBTU/HR PROCTOR AND SCHWARTZ NATURAL GAS FIRED THREE-STAGE DEHYDRATOR	No	No
N-1657-10-2	DEHYDRATOR #4: 35.0 MMBTU/HR PUCCINELI NATURAL GAS FIRED TWO-STAGE DEHYDRATOR	No	No
N-1657-12-3	ONION UNLOADING AND STORAGE, DRYING EQUIPMENT (43.25 MMBTU/HR), AND WET PROCESSING: EQUIPMENT CONSISTING OF CONVEYORS, BLOWERS, FANS, CURING BAYS, HOPPERS, SOAK TANKS, SLICERS, CORING MACHINE, PUMPS, TUBE DRYERS AND COOLING TOWERS	No	Yes
N-1657-13-2	GARLIC PROCESSING AND MILLING EQUIPMENT	No	No
N-1657-14-2	BIN ROOM EQUIPMENT CONSISTING OF A 40 HP VACULIFT CYCLONE, DUMPING HOPPER, INSPECTION CONVEYOR, AND MICRO PULSAIRE MODEL 1325-8 BAGHOUSE WITH A 40 HP ALLADIN FAN	Yes	No
N-1657-15-11	14.7 MMBTU/HR HURST FIRETUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 ULTRA LOW-NOX BURNER	No	Yes
N-1657-18-3	GARLIC DRYING FACILITY EQUIPPED WITH A MAXON SERIES NP-I 8.0 MMBTU/HR NATURAL GAS FIRED BURNER AND AN ALLADIN MODEL BB542 FAN	No	Yes
N-1657-21-3	DEHYDRATED ONION PRODUCTS SEPARATION AND CLEANING OPERATION SERVED BY P&F RECOV-AIRE, MODEL J8-224-2522, 20,000 CFM AIR FLOW DUST COLLECTOR	Yes	Yes
N-1657-22-5	DEHYDRATOR #7: 70 MMBTU/HR PROCTOR & SCHWARTZ, MODEL SCF 4 STAGE, DEHYDRATOR WITH ECLIPSE COMBUSTION, MODEL MINNOX, BURNERS	No	Yes
N-1657-24-2	ONE (1) DEHYDRATED GARLIC & OTHER ASSORTED VEGETABLE MILLING OPERATION (FLAKE CIRCUIT) SERVED BY A P&F FABRICATION, MODEL NO. JI 10 263 3782, BAGHOUSE	Yes	Yes
N-1657-25-2	ONE (1) DEHYDRATED GARLIC & OTHER ASSORTED VEGETABLE MILLING OPERATION (GRANULATED/GROUND CIRCUIT) SERVED BY A P&F FABRICATION, MODEL NO. JI 10 263 3782, BAGHOUSE IN PERMIT N-1657-24	Yes	Yes
N-1657-30-2	MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION (GROUP II VEHICLES) WITH HVLP SPRAY EQUIPMENT AND AN ENCLOSED GUN CLEANING SYSTEM.	No	Yes
N-1657-33-0	PROCTOR & SCHWARTZ NATURAL GAS-FIRED	No	Yes

	THREE-STAGE VEGETABLE DEHYDRATOR (#8) WITH A 66 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM		
N-1657-34-0	PROCTOR & SCHWARTZ NATURAL GAS-FIRED THREE-STAGE VEGETABLE DEHYDRATOR (#9) WITH A 66 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM	No	Yes
N-1657-36-3	VEGETABLE PROCESSING OPERATION INCLUDING A SCREEN CLEANING AREA, VEGETABLE CONVEYING, CLASSIFICATION, MILLING, SCREENING, AND PACKAGING UNITS ALL SERVED BY A MAC MODEL 144LVS-100-3 BAGHOUSE AND A DONALDSON 162MBT10 BAGHOUSE	Yes	Yes
N-1657-37-1	GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #1 SERVED BY A 500 CFM DUROVAC MODEL QLP32-536 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC MODEL A350-320 IN-LINE FILTER	Yes	Yes
N-1657-38-1	GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #2 SERVED BY A 500 CFM DUROVAC MODEL QLP32-536 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC MODEL A350-320 IN-LINE FILTER	Yes	Yes
N-1657-40-1	GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #3 SERVED BY A 400 CFM DUROVAC MODEL QLPC-26-336 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC IN-LINE FILTER	Yes	Yes
N-1657-41-1	GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #4 SERVED BY A 400 CFM DUROVAC MODEL QLPC-26-336 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC IN-LINE FILTER	Yes	Yes
N-1657-43-1	204 BHP CUMMINS MODEL CFP7E-F30 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A FIRE PUMP	No	Yes

For units that have both control device and emission limit in those cases pre-control PE need to be calculated and compared to major source threshold to determine applicability of CAM (highlighted in grey) above.

The following permit units have emission limits and add-on controls for PM10. These units were determined in the previous TV renewal (N-1062643) not to be subject to CAM due to pre-control PE below the major source threshold. Since there are no changes to these emission units, and no change to the PM10 major

source threshold since the previous renewal, these units are still not subject to CAM as previously determined.

Permit Number
N-1657-8-6
N-1657-21-4
N-1657-24-3
N-1657-25-3

The pre-control PE need to be calculated for the following remaining units to determine the applicability of CAM:

Permit Number
N-1657-36-3
N-1657-37-1
N-1657-38-1
N-1657-40-1
N-1657-41-1

**N-1657-36-4:**

This unit has an emission limit and an add-on control for PM10. The potential to emit (PE) is calculated below to determine if the unit is subject to CAM:

$$\begin{aligned} \text{Post Control PM10 PE} &= 120 \text{ tons/day} \times 0.004 \text{ lb/ton} \times 365 \text{ days/yr} \\ &= 175.2 \text{ lb/yr} \end{aligned}$$

Assuming baghouse controls a least 99% of PM10 emissions.

$$\text{Pre-Control PM10 PE} = 175.2 \text{ lb/yr} \times 100 = 17,520 \text{ lb/yr.}$$

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

**N-1657-37-2, -38-2, -40-2, & -41-2:**

Each unit has an emission limit and an add-on control for PM10. The potential to emit (PE) is calculated below to determine if the unit is subject to CAM. Each permit has an emission limit of 0.0004 gr/dscf and the maximum airflow rate in the equipment description. Assuming the filter systems serving these operations provide 99% control. The uncontrolled PM10 emissions for the each unit can be calculated as follows:

$$\text{Pre Control PM10 PE} = [0.0004 \text{ (gr/dscf)} \times 1,440 \text{ (min/day)} \times \text{Airflow Rate (dscf/min)} \times 1\text{lb}/7,000 \text{ gr} \times 365 \text{ days/yr}] \div (1 - 0.99)$$



Permit #	Air Flow Rate (cfm)	Pre Control PM10 (lbs/yr)
N-1657-37-2	500	1,502
N-1657-38-2	500	1,502
N-1657-40-2	400	1,202
N-1657-41-2	400	1,202

Since each unit's pre-control PE for PM10 is less than the major source threshold of 140,000 lb/year. Therefore, each unit is not subject to CAM.

## 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.

The permit shields are included in conditions 39 and 40 under permit unit N-1657-0-3.

## X. PERMIT CONDITIONS

See Attachment A – Draft Renewed Title V Operating Permit.

## XI. ATTACHMENTS

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Facility List
- D. Template Qualification Form
- E. Copy of EPA Certification for unit N-1657-43

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: N-1657-0-3

EXPIRATION DATE: 09/30/2015

## 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, 9.9.1 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
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

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: SENSIENT NATURAL INGREDIENTS LLC  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-0-3 Ctl 20 2010 11:41AM - GILLR

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.

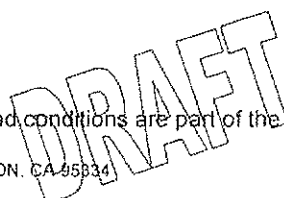
22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the 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 8021 and 8011] 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 8031 and 8011] 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 8041 and 8011] 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 8051 and 8011] 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 8061 and 8011] 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 8071 and 8011] 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. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Merced County Rule 109, Merced County Rule 202. 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. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin on March 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
42. 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: N-1657-1-6

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

DEHYDRATOR #6: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS FIRED DEHYDRATOR

## 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 unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. The total fuel usage of this unit shall not exceed 780,000 standard cubic feet in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. A non-resettable, totalizing mass or volumetric fuel flow meter shall be installed on the fuel line to the dehydrator burners. [District Rule 2201] 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. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
6. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 0.133 lb-NOX/MMBtu, 0.0029 lb-SOX/MMBtu, 0.0076 lb-PM10/MMBtu, 0.369 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
10. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
11. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] 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. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of the daily fuel usage of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-2-7

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

PROCTOR & SCHWARTZ NATURAL GAS-FIRED FOUR-STAGE VEGETABLE DEHYDRATOR (#1) WITH A 65 MMBTU/HR MAXON NPI AIRFO BURNER SYSTEM

## 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. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in this unit shall be installed, utilized, and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The unit shall only be fired on PUC-Quality natural gas. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
7. Emissions from the dehydrator shall not exceed any of the following limits: 0.109 lb-NOx/MMBtu (equivalent to 9.8 ppmvd NOx @ 19% O<sub>2</sub>), 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 0.369 lb-CO/MMBtu (equivalent to 54.3 ppmvd @ 19% O<sub>2</sub>), or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The combined heat input for units N-1657-2 and N-1657-3 shall not exceed 447,422 MMBtu during any one rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
10. 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 4309] Federally Enforceable Through Title V Permit
11. Permittee shall keep a record of the rolling 12-month combined heat input for units N-1657-2 and N-1657-3. This record shall be updated on a monthly basis. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309] 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. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309] Federally Enforceable Through Title V Permit
14. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
15. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, and 4309] 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: N-1657-3-7

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

PROCTOR & SCHWARTZ NATURAL GAS-FIRED FOUR-STAGE VEGETABLE DEHYDRATOR (#2) WITH A 65 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM

## 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. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
3. 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
4. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in this unit shall be installed, utilized, and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The unit shall only be fired on PUC-Quality natural gas. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
7. Emissions from the dehydrator shall not exceed any of the following limits: 0.109 lb-NOx/MMBtu (equivalent to 9.8 ppmvd NOx @ 19% O<sub>2</sub>), 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 0.369 lb-CO/MMBtu (equivalent to 54.3 ppmvd @ 19% O<sub>2</sub>), or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The combined heat input for units N-1657-2 and N-1657-3 shall not exceed 447,422 MMBtu during any one rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
10. 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 4309] Federally Enforceable Through Title V Permit
11. Permittee shall keep a record of the rolling 12-month combined heat input for units N-1657-2 and N-1657-3. This record shall be updated on a monthly basis. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309] 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. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309] Federally Enforceable Through Title V Permit
14. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
15. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, and 4309] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-4-3

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

ONION MILL SERVED BY A PRIMARY AND A SECONDARY BAGHOUSE

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## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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, 9.3.2] Federally Enforceable Through Title V Permit
5. 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, 9.3.2] Federally Enforceable Through Title V Permit
6. 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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-5-3

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GARLIC BIN DRYERS SERVED BY THREE (3) 8 MMBTU/HR NATURAL GAS-FIRED BURNERS, EACH WITH AN ALLADIN TYPE BA540 FAN

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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
5. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
6. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
7. The dryers shall be fired on PUC regulated natural gas. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-6-5

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

D-STAGE (STEAM HEATED) FOR PROCTOR & SCHWARTZ DEHYDRATOR #2

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## 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 unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
5. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
6. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
7. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
8. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
9. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
10. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-7-3

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

ONION & GARLIC DEHYDRATOR SERVED BY A MICRO PULSAIRE MODEL 1325-8-20 BAGHOUSE AND A MAC H60 CYCLONE

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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, 9.3.2] Federally Enforceable Through Title V Permit
5. 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, 9.3.2] Federally Enforceable Through Title V Permit
6. 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  $E=17.3 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202] 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: N-1657-8-6

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GARLIC CRACKING LINE SERVED BY TWO CYCLONES AND A CARTER DAY MODEL 232-RF8 BAGHOUSE

## 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. 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
3. Visible emissions from the baghouse serving the garlic cracking operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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 NSR Rule] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. 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, 9.3.2] Federally Enforceable Through Title V Permit
11. 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
12. 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, 9.3.2] Federally Enforceable Through Title V Permit
13. PM10 emissions from this operation shall not exceed 3.6 pounds in any one day. [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. Records shall be maintained and updated daily, and shall include the quantity of PM10 emissions. [District Rules NSR and 1070] Federally Enforceable Through Title V Permit
15. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules NSR and 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: N-1657-9-5

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

DEHYDRATOR #3: 50.0 MMBTU/HR PROCTOR AND SCHWARTZ NATURAL GAS FIRED THREE-STAGE DEHYDRATOR

## 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 unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
4. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
7. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
9. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
10. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
11. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-10-5

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

DEHYDRATOR #4: 35.0 MMBTU/HR PUCCINELI NATURAL GAS FIRED TWO-STAGE DEHYDRATOR

## 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 unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
4. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
7. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
9. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
10. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
11. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-12-4

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

ONION UNLOADING AND STORAGE, DRYING EQUIPMENT (43.25 MMBTU/HR), AND WET PROCESSING: EQUIPMENT CONSISTING OF CONVEYORS, BLOWERS, FANS, CURING BAYS, HOPPERS, SOAK TANKS, SLICERS, CORING MACHINE, PUMPS, TUBE DRYERS AND COOLING TOWERS

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The dryer shall only be fired on PUC regulated natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Natural gas-fired emission rates shall not exceed any of the following: NO<sub>x</sub> - 0.133 lb/MMBtu, VOC - 0.0055 lb/MMBtu, CO - 0.369 lb/MMBtu, PM<sub>10</sub> - 0.0076 lb/MMBtu, and SO<sub>x</sub> - 0.0029 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. 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
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
7. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
9. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [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: N-1657-13-3

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

GARLIC PROCESSING AND MILLING EQUIPMENT

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## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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, 9.3.2] Federally Enforceable Through Title V Permit
5. 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, 9.3.2] Federally Enforceable Through Title V Permit
6. 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

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: N-1657-14-3

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

BIN ROOM EQUIPMENT CONSISTING OF A 40 HP VACULIFT CYCLONE, DUMPING HOPPER, INSPECTION CONVEYOR, AND MICRO PULSAIRE MODEL 1325-8 BAGHOUSE WITH A 40 HP ALLADIN FAN

## 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. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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, 9.3.2] Federally Enforceable Through Title V Permit
5. 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, 9.3.2] Federally Enforceable Through Title V Permit
6. 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

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



# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-15-10

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

14.7 MMBTU/HR HURST FIRETUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 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. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301] Federally Enforceable Through Title V Permit
3. Except during startup and shutdown, emissions from the natural gas-fired unit shall not exceed any of the following limits: 9 ppmvd NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.011 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 50 ppmvd CO @ 3% O<sub>2</sub> or 0.037 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201; 4305; 4306; 4320; and 4351] Federally Enforceable Through Title V Permit
4. During startup and shutdown, emissions shall not exceed any of the following limits: 30 ppmvd NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.036 lb-NO<sub>x</sub>/MMBtu, or 100 ppmvd CO @ 3% O<sub>2</sub> or 0.074 lb-CO/MMBtu [District Rules 2201; 4305; 4306; 4320; and 4351] Federally Enforceable Through Title V Permit
5. Startup and shutdown shall not exceed 1 hour each per year. The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 2201; 4305; 4306; and 4320] Federally Enforceable Through Title V Permit
6. The unit shall only be fired on PUC-quality natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
7. Source testing to measure natural gas-combustion NO<sub>x</sub> and CO emissions from this unit shall be conducted 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 until the source demonstrates compliance on two (2) consecutive annual source tests, in which case source testing shall revert back to once every thirty-six (36) months. [District Rules 4305; 4306; 4320; and 4351] Federally Enforceable Through Title V Permit
8. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305; 4306; 4320; and 4351] Federally Enforceable Through Title V Permit
9. 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 4305; 4306; 4320; and 4351] Federally Enforceable Through Title V Permit
10. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. 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
12. NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305; 4306; 4320; and 4351] Federally Enforceable Through Title V Permit
13. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305; 4306; 4320; and 4351] Federally Enforceable Through Title V Permit
14. Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100. Stack gas velocity shall be determined using EPA Method 2. Stack gas moisture content shall be determined using EPA Method 4. [District Rules 4305; 4306; 4320; and 4351] Federally Enforceable Through Title V Permit
15. 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
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
17. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
18. 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
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
20. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
21. The permittee shall maintain records of the duration of each startup and shutdown occurrence. [District Rules 4305; 4306 and 4320] Federally Enforceable Through Title V Permit
22. Records of the monthly and annual heat input of the unit shall be maintained. [District Rule 4001 and 40 CFR Part 60 Subpart Dc Paragraph 60.48c(g)(2)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. 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 1070; 4305; 4306; 4320; and 4351 and 40 CFR Part 60 Subpart Dc Paragraph 60.48c(i)] Federally Enforceable Through Title V Permit
24. NO<sub>x</sub>, and CO emissions shall be measured with source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District. [District Rule 2520] Federally Enforceable Through Title V Permit
25. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 thirty minute test runs for NO<sub>x</sub> and CO. [District Rule 2520] 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), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
27. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 407 (Merced); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520] 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 4201 and 4301. 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 1081. 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 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.324), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.324), 8.1. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
31. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [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: N-1657-18-4

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GARLIC DRYING FACILITY EQUIPPED WITH A MAXON SERIES NP-1 8.0 MMBTU/HR NATURAL GAS FIRED BURNER AND AN ALLADIN MODEL BB542 FAN

## 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 dryer shall only be fired on PUC regulated natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Natural gas-fired emission rates shall not exceed any of the following: NO<sub>x</sub> - 0.1 lb/MMBtu, VOC - 0.0057 lb/MMBtu, CO - 0.369 lb/MMBtu, PM<sub>10</sub> - 0.0076 lb/MMBtu, and SO<sub>x</sub> - 0.0029 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. 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
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
7. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
9. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [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: N-1657-21-4

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

DEHYDRATED ONION PRODUCTS SEPARATION AND CLEANING OPERATION SERVED BY P&F RECOV-AIRE,  
MODEL J8-224-2522, 20,000 CFM AIR FLOW DUST COLLECTOR

## 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 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 NSR Rule] Federally Enforceable Through Title V Permit
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Visible emissions from the baghouse serving dehydrated onion products separation and cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
7. PM10 emissions from the extruding operations shall not exceed 0.8 pounds during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records sufficient to demonstrate compliance with each daily emission limit. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
9. The baghouse pressure drop shall be observed and recorded weekly during operation of this unit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of baghouse pressure drop 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, 9.3.2] Federally Enforceable Through Title V Permit
11. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] 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. 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, 9.3.2] Federally Enforceable Through Title V Permit
14. 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, 9.3.2] Federally Enforceable Through Title V Permit
15. 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

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: N-1657-22-8

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

DEHYDRATOR #7: 70 MMBTU/HR PROCTOR & SCHWARTZ, MODEL SCF 4 STAGE, DEHYDRATOR WITH ECLIPSE COMBUSTION, MODEL MINNOX, BURNERS

## 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 unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. The total heat input to this unit shall not exceed 306,600 MMBtu in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. A non-resettable, totalizing mass or volumetric fuel flow meter shall be installed on the fuel line to the dryer burners. [District Rule 2201] 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. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
6. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 0.036 lb-NOX/MMBtu, 0.004 lb-SOX/MMBtu, 0.012 lb-PM10/MMBtu, 0.296 lb-CO/MMBtu, or 0.005 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
10. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
11. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] 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. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
13. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of the cumulative annual heat input to this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-24-3

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

ONE (1) DEHYDRATED GARLIC & OTHER ASSORTED VEGETABLE MILLING OPERATION (FLAKE CIRCUIT)  
SERVED BY A P&F FABRICATION, MODEL NO. JI 10 263 3782, BAGHOUSE

## 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 NSR Rule] Federally Enforceable Through Title V Permit
2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All ducting from the milling operations to the baghouse shall be properly maintained to prevent fugitive dust emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The maximum quantity of dehydrated products processed through this milling operation shall not exceed 100 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emission concentration shall not exceed 0.004 lbs/ton of product processed through this milling operation. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Records of the daily amount of product processed through this milling operation, in tons, shall be retained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The baghouse pressure drop shall be observed and recorded quarterly during operation of this unit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Records of baghouse pressure drop 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, 9.3.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] 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. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. 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, 9.3.2] Federally Enforceable Through Title V Permit
16. 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, 9.3.2] Federally Enforceable Through Title V Permit
17. 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

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: N-1657-25-3

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

ONE (1) DEHYDRATED GARLIC & OTHER ASSORTED VEGETABLE MILLING OPERATION (GRANULATED/GROUND CIRCUIT) SERVED BY A P&F FABRICATION, MODEL NO. JI 10 263 3782, BAGHOUSE IN PERMIT N-1657-24

## 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 NSR Rule] Federally Enforceable Through Title V Permit
2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All ducting from the milling operations to the baghouse shall be properly maintained to prevent fugitive dust emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The maximum quantity of dehydrated products processed through this milling operation shall not exceed 100 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emission concentration shall not exceed 0.004 lbs/ton of product processed through this milling operation. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Records of the daily amount of product processed through this milling operation, in tons, shall be retained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The baghouse pressure drop shall be observed and recorded quarterly during operation of this unit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Records of baghouse pressure drop 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, 9.3.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] 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. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. 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, 9.3.2] Federally Enforceable Through Title V Permit
16. 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, 9.3.2] Federally Enforceable Through Title V Permit
17. 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

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: N-1657-30-3

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION (GROUP II VEHICLES) WITH HVLP SPRAY EQUIPMENT AND AN ENCLOSED GUN CLEANING SYSTEM.

## 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. 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
3. The VOC emissions from this operation shall not exceed 27.5 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The VOC emissions from this operation shall not exceed 235 pounds in any given year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The PM10 emissions from this operation shall not exceed 2.0 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The PM10 emissions from this operation shall not exceed 80 pounds in any given year. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The permittee shall maintain annual records of the amount of VOC and PM10 emissions generated by this coating operation and those records shall be updated daily. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The VOC Regulatory content of coatings, as applied, shall not exceed any of the following limits: adhesion promoter 540 g/l (4.5 lb/gal), clear coating 250 g/l (2.1 lb/gal), color coating 420 g/l (3.5 lb/gal), multi-color coating 680 g/l (5.7 lb/gal), pretreatment coating 660 g/l (5.5 lb/gal), primer 250 g/l (2.1 lb/gal), primer sealer 250 g/l (2.1 lb/gal), single-stage coating 340 g/l (2.8 lb/gal), temporary protective coating 60 g/l (0.5 lb/gal), underbody coating 430 g/l (3.6 lb/gal), uniform finish coating 540 g/l (4.5 lb/gal), and any other coating type 250 g/l (2.1 lb/gal). The VOC Regulatory content for coatings shall be defined as the VOC in grams per liter of coating (or pounds per gallon of coating), excluding water and exempt compounds. [District Rule 4612, 5.1] Federally Enforceable Through Title V Permit
9. If anywhere on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature, any representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in Section 5.1 of District Rule 4612, then the lowest applicable VOC content limit shall apply. [District Rule 4612, 5.2] Federally Enforceable Through Title V Permit
10. Permittee shall not possess any automotive coating that is not in compliance with Section 5.1 of District Rule 4612. [District Rule 4612, 5.4] 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. Except for underbody coatings, graphic arts operations, truck bed liner coatings, or any coating use of less than one (1.0) fluid ounce (29.6 milliliters), permittee shall not apply any coating to any motor vehicle, mobile equipment, or associated parts and components unless one of the following application methods is used: brush, dip, roller, electrostatic spray, or High-Volume Low-Pressure (HVLP) spray equipment. [District Rule 4612, 5.7] Federally Enforceable Through Title V Permit
12. If a spray gun is used, the permittee must demonstrate that the gun meets the HVLP definition in section 3.21 of District Rule 4612 in design and use. A satisfactory demonstration must be based on the manufacturer's published technical material on the design of the gun and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rule 4612, 5.7] Federally Enforceable Through Title V Permit
13. For solvent cleaning operations other than for bug and tar removal, permittee shall not use solvents that have VOC content greater than 25 grams VOC per liter of cleaning material. For bug and tar removal, permittee shall not use any material other than bug and tar remover regulated under the Consumer Products Regulation (California Code of Regulations Section 94507 et seq.). [District Rule 4612, 5.8] Federally Enforceable Through Title V Permit
14. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials such as cloth, paper, etc., coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, which shall remain closed at all times except when depositing or removing the contents or when empty. [District Rule 4612, 5.9] Federally Enforceable Through Title V Permit
15. Permittee shall maintain and have available at all times, on site, the following: (1) A current list of all coatings used that are subject to this rule, which shall include the following information for each coating: (a) material name and manufacturer (b) application method (c) coating type (as listed in section 5.1 of the rule) and mix ratio specific to the coating (d) VOC Actual for Coatings and VOC Regulatory for Coatings, as applied, calculated pursuant to section 3.43 of the rule (2) Current manufacturer specification sheets, material safety data sheets, technical data sheets, or air quality data sheets, which list the VOC Actual for Coatings and VOC Regulatory for Coatings of each ready-to-spray coating (based on the manufacturer's stated mix ratio) and automotive coating components (3) Purchase records identifying the coating type (as listed in section 5.1 of the rule), name, and volume of coatings. [District Rule 4612, 6.4] Federally Enforceable Through Title V Permit
16. If using solvents for cleaning, permittee shall keep the following records: (1) A copy of the manufacturer's product data sheet or material safety data sheet of the solvents used (2) A current list of solvents, which shall include the following information: (a) the name of the solvent and its manufacturer's name (b) the VOC content of the solvent expressed in grams/liter or lb/gallon (c) when the solvent is a mixture of different materials that are blended by the end user, the mix ratio of the batch shall be recorded and the VOC content of the batch shall be calculated and recorded in order to determine compliance with the specified limits of VOC content (3) The quantity of solvent used for solvent cleaning activities. [District Rule 4612, 6.5] Federally Enforceable Through Title V Permit
17. Records shall be retained on site for a period of five years; shall be made available on site during normal business hours to the APCO, ARB, or EPA; and shall be submitted to the APCO, ARB, or EPA upon request. [District Rule 4612, 6.3] 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: N-1657-33-1

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

PROCTOR & SCHWARTZ NATURAL GAS-FIRED THREE-STAGE VEGETABLE DEHYDRATOR (#8) WITH A 66 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM

## 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. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
3. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in this unit shall be installed, utilized, and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The unit shall only be fired on PUC-Quality natural gas. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
5. Emissions from the dehydrator shall not exceed any of the following limits: 0.109 lb-NOx/MMBtu (equivalent to 9.8 ppmvd NOx @ 19% O2), 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 0.369 lb-CO/MMBtu (equivalent to 54.3 ppmvd @ 19% O2), or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The combined heat input for units N-1657-33 and N-1657-34 shall not exceed 336,000 MMBtu during any one rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
8. 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 4309] Federally Enforceable Through Title V Permit
9. Permittee shall keep a record of the rolling 12-month combined heat input for units N-1657-33 and N-1657-34. This record shall be updated on a monthly basis. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309] Federally Enforceable Through Title V Permit
11. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309] Federally Enforceable Through Title V Permit
12. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, and 4309] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-34-1

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

PROCTOR & SCHWARTZ NATURAL GAS-FIRED THREE-STAGE VEGETABLE DEHYDRATOR (#9) WITH A 66 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM

## 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. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
3. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in this unit shall be installed, utilized, and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-Quality natural gas. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
6. Emissions from the dehydrator shall not exceed any of the following limits: 0.109 lb-NOx/MMBtu (equivalent to 9.8 ppmvd NOx @ 19% O2), 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 0.369 lb-CO/MMBtu (equivalent to 54.3 ppmvd @ 19% O2), or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The combined heat input for units N-1657-33 and N-1657-34 shall not exceed 336,000 MMBtu during any one 12 month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309] Federally Enforceable Through Title V Permit
9. 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 4309] Federally Enforceable Through Title V Permit
10. Permittee shall keep a record of the rolling 12-month combined heat input for units N-1657-33 and N-1657-34. This record shall be updated on a monthly basis. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309] Federally Enforceable Through Title V Permit
12. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309] Federally Enforceable Through Title V Permit
13. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2201, and 4309] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-36-4

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

VEGETABLE PROCESSING OPERATION INCLUDING A SCREEN CLEANING AREA, VEGETABLE CONVEYING, CLASSIFICATION, MILLING, SCREENING, AND PACKAGING UNITS ALL SERVED BY A MAC MODEL 144LVS-100-3 BAGHOUSE AND A DONALDSON 162MBT10 BAGHOUSE

## 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. Visible emissions from the exhaust of each baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201]
3. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency for each baghouse. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from each baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse, and for each type of bag, shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The quantity of dehydrated vegetable products processed shall not exceed 120 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM10 emissions shall not exceed 0.004 lb/ton of dehydrated vegetable product processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Each 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
10. The Donaldson baghouse shall operate at all times with a differential pressure equal to or greater than 0.25 inches water column, and less than or equal to 10 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The MAC baghouse shall operate at all times with a differential pressure equal to or greater than 0.25 inches water column, and less than or equal to 10 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
12. For each baghouse, the differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The permittee shall keep a daily record of the quantity of dehydrated vegetable product processed. [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. Records of all maintenance of each baghouse, including all change out outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the daily differential operating pressure readings for each baghouse shall be retained on-site. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All records required by this permit shall be retained on-site for a period of at least five years, and shall be made available for 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: N-1657-37-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #1 SERVED BY A 500 CFM DUROVAC MODEL QLP32-536 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC MODEL A350-320 IN-LINE FILTER

## PERMIT UNIT REQUIREMENTS

1. {14} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. Visible emissions from the exhaust of the filtration system serving the centralized vacuum cleaning unit shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All ducting and emissions control 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
4. The filtration system shall be maintained and operated according to manufacturer's specifications. The cleaning frequency and duration of the filtration system shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from the filtration system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The filtration system shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags, and 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
8. When in operation, the differential pressure of the filtration system shall not be less than 0 inches water column nor greater than 15 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions from the filtration system serving the centralized vacuum cleaning unit shall not exceed 0.0004 gr/dscf. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Differential operating pressure of the filtration system shall be monitored and recorded on each day that it operates. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Records of all maintenance of the filtration system, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be retained on-site for a period of at least five years and be 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: N-1657-38-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #2 SERVED BY A 500 CFM DUROVAC MODEL QLP32-536 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC MODEL A350-320 IN-LINE FILTER

## PERMIT UNIT REQUIREMENTS

1. {14} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. Visible emissions from the exhaust of the filtration system serving the centralized vacuum cleaning unit shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All ducting and emissions control 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
4. The filtration system shall be maintained and operated according to manufacturer's specifications. The cleaning frequency and duration of the filtration system shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from the filtration system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The filtration system shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags, and 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
8. When in operation, the differential pressure of the filtration system shall not be less than 0 inches water column nor greater than 15 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions from the filtration system serving the centralized vacuum cleaning unit shall not exceed 0.0004 gr/dscf. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Differential operating pressure of the filtration system shall be monitored and recorded on each day that it operates. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Records of all maintenance of the filtration system, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be retained on-site for a period of at least five years and be 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: N-1657-40-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #3 SERVED BY A 400 CFM DUROVAC MODEL QLPC-26-336 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC IN-LINE FILTER

## 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. Visible emissions from the exhaust of the filtration system serving the centralized vacuum cleaning unit shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All ducting and emissions control 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
4. The filtration system shall be maintained and operated according to manufacturer's specifications. The cleaning frequency and duration of the filtration system shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from the filtration system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The filtration system shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags, and 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
8. When in operation, the differential pressure of the filtration system shall not be less than 0 inches water column nor greater than 20 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions from the filtration system serving the centralized vacuum cleaning unit shall not exceed 0.0004 gr/dscf. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The differential operating pressure of the filtration system shall be monitored and recorded on each day that it operates. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Records of all maintenance of the filtration system, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be retained on-site for a period of at least five years and be 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: N-1657-41-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #4 SERVED BY A 400 CFM DUROVAC MODEL QLPC-26-336 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC IN-LINE FILTER

## 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. Visible emissions from the exhaust of the filtration system serving the centralized vacuum cleaning unit shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All ducting and emissions control 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
4. The filtration system shall be maintained and operated according to manufacturer's specifications. The cleaning frequency and duration of the filtration system shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from the filtration system shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The filtration system shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags, and 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
8. When in operation, the differential pressure of the filtration system shall not be less than 0 inches water column nor greater than 20 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions from the filtration system serving the centralized vacuum cleaning unit shall not exceed 0.0004 gr/dscf. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The differential operating pressure of the filtration system shall be monitored and recorded on each day that it operates. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Records of all maintenance of the filtration system, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All records shall be retained on-site for a period of at least five years and be 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: N-1657-43-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

204 BHP CUMMINS MODEL CFP7E-F30 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE  
POWERING A FIRE 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. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed any of the following limits: 2.475 g-NO<sub>x</sub>/bhp-hr, 1.193 g-CO/bhp-hr, or 0.062 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed 0.111 g-PM<sub>10</sub>/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ] 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, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ] 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, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ] 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. 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" 2002 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 4102 and 4702, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 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.

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, 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
11. 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
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 17 CCR 93115, 40 CFR 60 Subpart IIII, 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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# ATTACHMENT B

Previous Title V Operating Permit

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**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



**HEALTHY AIR LIVING™**

# Permit to Operate

**FACILITY:** N-1657

**EXPIRATION DATE:** 09/30/2015

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

SENSIENT DEHYDRATED FLAVORS COMPANY  
ATTN: CHRIS KAJI, EHS ENGINEER  
PO BOX 485  
LIVINGSTON, CA 95334

**FACILITY LOCATION:**

9984 WEST WALNUT AVENUE  
LIVINGSTON, CA 95334

**FACILITY DESCRIPTION:**

DEHYDRATED VEGETABLE PROCESSING

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

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

**Seyed Sadredin**  
Executive Director / APCO

**David Warner**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: N-1657-0-2

EXPIRATION DATE: 09/30/2015

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 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: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-0-2; Oct 7 2010 5:29PM - AYABEU

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 Rule 8021 and 8011] 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 Rule 8031 and 8011] 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 Rule 8041 and 8011] 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 Rule 8051 and 8011] 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 Rule 8061 and Rule 8011] 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 Rule 8071 and Rule 8011] 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 compliance with the following outdated SIP requirements: Merced County Rule 109, Merced County Rule 202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin on March 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
42. 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: N-1657-1-3

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

DEHYDRATOR #6: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS FIRED DEHYDRATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. The total fuel usage of this unit shall not exceed 780,000 standard cubic feet in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. A non-resettable, totalizing mass or volumetric fuel flow meter shall be installed on the fuel line to the dehydrator burners. [District Rule 2201] 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. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
6. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 0.133 lb-NOX/MMBtu, 0.0029 lb-SOX/MMBtu, 0.0076 lb-PM10/MMBtu, 0.369 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
10. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
11. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] 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. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of the daily fuel usage of this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-2-3

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

DEHYDRATOR #1: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS FIRED FOUR-STAGE DEHYDRATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
4. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
7. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
9. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
10. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
11. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-3-3

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

DEHYDRATOR #2: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS FIRED FOUR-STAGE DEHYDRATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
4. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
7. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
9. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
10. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
11. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] Federally Enforceable Through Title V Permit

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

Facility Name: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-3-3 : Oct 7 2010 9:28PM - AYABEU

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-4-2

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

ONION MILL SERVED BY A PRIMARY AND A SECONDARY BAGHOUSE

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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, 9.3.2] Federally Enforceable Through Title V Permit
5. 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, 9.3.2] Federally Enforceable Through Title V Permit
6. 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-5-2

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

GARLIC BIN DRYERS SERVED BY THREE (3) 8 MMBTU/HR NATURAL GAS-FIRED BURNERS, EACH WITH AN ALLADIN TYPE BA540 FAN

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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
5. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
6. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
7. The dryers shall be fired on PUC regulated natural gas. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [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: N-1657-6-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

D-STAGE (STEAM HEATED) FOR PROCTOR & SCHWARTZ DEHYDRATOR #2

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
5. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
6. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
7. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
8. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
9. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
10. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] Federally Enforceable Through Title V Permit

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

Facility Name: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-6-2; Oct 7 2010 9:28PM - AIVABEU

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-7-2

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

ONION & GARLIC DEHYDRATOR SERVED BY A MICRO PULSAIRE MODEL 1325-8-20 BAGHOUSE AND A MAC H60 CYCLONE

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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, 9.3.2] Federally Enforceable Through Title V Permit
5. 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, 9.3.2] Federally Enforceable Through Title V Permit
6. 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-8-5

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GARLIC CRACKING LINE SERVED BY TWO CYCLONES AND A CARTER DAY MODEL 232-RF8 BAGHOUSE

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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
3. Visible emissions from the baghouse serving the garlic cracking operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Material removed from the dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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 NSR Rule] Federally Enforceable Through Title V Permit
6. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. 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, 9.3.2] Federally Enforceable Through Title V Permit
11. 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
12. 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, 9.3.2] 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. PM10 emissions from this operation shall not exceed 3.6 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Records shall be maintained and updated daily, and shall include the quantity of PM10 emissions. [District Rules NSR and 1070] Federally Enforceable Through Title V Permit
15. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules NSR and 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: N-1657-9-2

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

DEHYDRATOR #3: 50.0 MMBTU/HR PROCTOR AND SCHWARTZ NATURAL GAS FIRED THREE-STAGE DEHYDRATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
4. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
7. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
9. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
10. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
11. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-10-2

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

DEHYDRATOR #4: 35.0 MMBTU/HR PUCCINELI NATURAL GAS FIRED TWO-STAGE DEHYDRATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
4. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
7. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
8. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
9. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
10. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
11. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-12-3

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

ONION UNLOADING AND STORAGE, DRYING EQUIPMENT (43.25 MMBTU/HR), AND WET PROCESSING EQUIPMENT CONSISTING OF CONVEYORS, BLOWERS, FANS, CURING BAYS, HOPPERS, SOAK TANKS, SLICERS, CORING MACHINE, PUMPS, TUBE DRYERS AND COOLING TOWERS

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The dryer shall only be fired on PUC regulated natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Natural gas-fired emission rates shall not exceed any of the following: NO<sub>x</sub> - 0.133 lb/MMBtu, VOC - 0.0055 lb/MMBtu, CO - 0.369 lb/MMBtu, PM<sub>10</sub> - 0.0076 lb/MMBtu, and SO<sub>x</sub> - 0.0029 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. 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
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
7. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
9. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [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: N-1657-13-2

EXPIRATION DATE: 09/30/2015

EQUIPMENT DESCRIPTION:  
GARLIC PROCESSING AND MILLING EQUIPMENT

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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, 9.3.2] Federally Enforceable Through Title V Permit
5. 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, 9.3.2] Federally Enforceable Through Title V Permit
6. 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

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

Facility Name: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-13-2; Oct 7 2010 5:30PM - AUYABEU

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-14-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

BIN ROOM EQUIPMENT CONSISTING OF A 40 HP VACULIFT CYCLONE, DUMPING HOPPER, INSPECTION CONVEYOR, AND MICRO PULSAIRE MODEL 1325-8 BAGHOUSE WITH A 40 HP ALLADIN FAN

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. 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, 9.3.2] Federally Enforceable Through Title V Permit
5. 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, 9.3.2] Federally Enforceable Through Title V Permit
6. 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

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

Facility Name: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-14-2; Oct 7 2010 5:00PM - AIYABEJ

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-15-7

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

14.7 MMBTU/HR HURST FIRETUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 ULTRA LOW-NOX BURNER

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, nor 0.1 grain/dscf calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
3. Except for NO<sub>x</sub> and CO during startup and shutdown, emissions from the natural gas-fired unit shall not exceed any of the following limits: 15 ppmvd NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.018 lb-NO<sub>x</sub>/MMBtu, 0.0029 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 50 ppmvd CO @ 3% O<sub>2</sub> or 0.037 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201; 4305, 5.1 & 5.3; 4306, 5.1; and 4351, 5.1 & 5.5] Federally Enforceable Through Title V Permit
4. During startup and shutdown, emissions shall not exceed any of the following limits: 30 ppmvd NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.036 lb-NO<sub>x</sub>/MMBtu, or 100 ppmvd CO @ 3% O<sub>2</sub> or 0.074 lb-CO/MMBtu [District Rules 2201; 4305, 5.1 & 5.3; 4306, 5.3; and 4351, 5.1 & 5.5] Federally Enforceable Through Title V Permit
5. Startup and shutdown shall not exceed 1 hour each per year. The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up and shutdown. [District Rules 2201 and 4306, 5.3] Federally Enforceable Through Title V Permit
6. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Source testing to measure natural gas-combustion NO<sub>x</sub> and CO emissions from this unit shall be conducted 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 until the source demonstrates compliance on two (2) consecutive annual source tests, in which case source testing shall revert back to once every thirty-six (36) months. [District Rules 4305, 6.3.1; 4306, 6.3.1; and 4351, 6.3.1] Federally Enforceable Through Title V Permit
8. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 5.5.1; 4306, 5.5.1; and 4351, 5.7.1] Federally Enforceable Through Title V Permit
9. 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 4305, 5.5.2; 4306, 5.5.2; and 4351, 5.7.2] Federally Enforceable Through Title V Permit
10. 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, 5.5.5 and 4306, 5.5.5] 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. 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
12. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 6.2.2 & 6.2.5; 4306, 6.2.2 & 6.2.5; and 4351, 6.2.2 & 6.2.5] Federally Enforceable Through Title V Permit
13. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 6.2.3; 4306, 6.2.3; and 4351, 6.2.3] Federally Enforceable Through Title V Permit
14. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. Stack gas velocity shall be determined using EPA Method 2. Stack gas moisture content shall be determined using EPA Method 4. [District Rules 4305, 6.2.4, 6.2.6 & 6.2.7; 4306, 6.2.4, 6.2.6 & 6.2.7; and 4351, 6.2.4, 6.2.6 & 6.2.7] Federally Enforceable Through Title V Permit
15. 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
16. During the 36-month source testing interval, the owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters); and shall monitor, at least on a monthly basis, the unit's operational characteristics recommended by the manufacturer to ensure compliance with the emission limits. Records to verify that the required tune-ups and the required monitoring of the operational characteristics of the unit have been performed shall be maintained. [District Rules 4305, 6.3.1 & 6.1.4; 4306, 6.3.1 & 6.1.3; and 4351, 6.3.1] Federally Enforceable Through Title V Permit
17. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306, 5.2.1] Federally Enforceable Through Title V Permit
18. The stack O2 concentration measurement and inspection of burner mechanical settings shall be conducted at least on a weekly basis. 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 week. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4305, 5.4.2 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
19. The normal range/level of stack O2 concentration and visible mechanical burner settings shall be established by source testing this unit or other representative units per Rule 4305 and as approved by the District. The normal range/level shall be that for which compliance with applicable NOx and CO emission limits has been demonstrated through source testing at a similar firing rate. [District Rules 4305, 5.4.2 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
20. Normal range or level for the stack O2 concentration and burner mechanical settings shall be re-established during each source test required by this permit. [District Rules 4305, 5.4.2 and 4306, 5.4.2] 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. If either the stack O<sub>2</sub> concentration or visible mechanical burner settings are less than the normal range/level, the permittee shall return the stack O<sub>2</sub> concentration and visible mechanical burner settings to the normal range/level as soon as possible, but no longer than 1 hour of operation after detection. If the stack O<sub>2</sub> concentration and visible mechanical burner settings are not returned to the normal range/level within 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour, and conduct a source test within 60 days of the first exceedance, to demonstrate compliance with the applicable emission limits at the new stack O<sub>2</sub> concentration and visible mechanical burner settings. A District-approved portable analyzer may be used in lieu of a source test to demonstrate compliance. 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, 5.4.2 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of the date and time of O<sub>2</sub> measurements and burner adjustments, the measured O<sub>2</sub> concentrations (% by volume) and firing rate at the time of O<sub>2</sub> measurement, and the observed burner mechanical settings. The records must also include a description of any corrective action taken to maintain the O<sub>2</sub> concentration and the burner mechanical settings within the acceptable range. [District Rules 4305, 5.4.2 and 4306, 5.4.2] Federally Enforceable Through Title V Permit
23. 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 1070; 4305, 6.1; 4306, 6.1; and 4351, 6.1] Federally Enforceable Through Title V Permit
24. NO<sub>x</sub>, and CO emissions shall be measured with source testing conducted by independent testing laboratory and shall be witnessed or authorized by the District. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
25. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 thirty minute test runs for NO<sub>x</sub> and CO. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
26. Operator shall maintain copies of fuel invoices and supplier certifications. [District Rule 2520, 9.3.2; and 4351, 6.1.1] Federally Enforceable Through Title V Permit
27. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined by: ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; 4306, 6.2.1; and 4351, 6.2.1] 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), Rule 408 (Fresno), Rule 408.2 (Merced) and 407.2 (Kern, Tulare, Kings, Stanislaus, and San Joaquin); Rule 402 (Madera) and 404 (all seven remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
29. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 407 (Merced); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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 4201 and 4301. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
31. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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.

32. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4305, Sec. 4.2, 5.1.1, 5.1.2., 5.4, 6.1.1, 6.2 (excepting 6.2.324), 6.3, 8.1 and Rule 4351 Sec 4.2, 5.2.2.1, 5.2.2.2, 6.1.1, 6.2 (excepting 6.2.324), 8.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
33. This unit has not been used to produce electricity for sale in 1985 or on or after November 15, 1990. Therefore, the requirements of 40 CFR 72.6(b) do not apply to this source. A permit shield is granted from this requirement. [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: N-1657-18-3

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

GARLIC DRYING FACILITY EQUIPPED WITH A MAXON SERIES NP-1 8.0 MMBTU/HR NATURAL GAS FIRED BURNER AND AN ALLADIN MODEL BB542 FAN

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The dryer shall only be fired on PUC regulated natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Natural gas-fired emission rates shall not exceed any of the following: NOx - 0.1 lb/MMBtu, VOC - 0.0057 lb/MMBtu, CO - 0.369 lb/MMBtu, PM10 - 0.0076 lb/MMBtu, and SOx - 0.0029 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. 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
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
7. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
9. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [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: N-1657-21-3

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

DEHYDRATED ONION PRODUCTS SEPARATION AND CLEANING OPERATION SERVED BY P&F RECOV-AIRE,  
MODEL J8-224-2522, 20,000 CFM AIR FLOW DUST COLLECTOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The 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 NSR Rule] Federally Enforceable Through Title V Permit
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Visible emissions from the baghouse serving dehydrated onion products separation and cleaning operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
7. PM10 emissions from the extruding operations shall not exceed 0.8 pounds during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records sufficient to demonstrate compliance with each daily emission limit. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
9. The baghouse pressure drop shall be observed and recorded weekly during operation of this unit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of baghouse pressure drop 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, 9.3.2] Federally Enforceable Through Title V Permit
11. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] 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.

Facility Name: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, GA 95334  
N-1657-21-3; On 7 2016 5:30PM - AYYABEU

13. 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, 9.3.2] Federally Enforceable Through Title V Permit
14. 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, 9.3.2] Federally Enforceable Through Title V Permit
15. 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-22-5

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

DEHYDRATOR #7: 70 MMBTU/HR PROCTOR & SCHWARTZ, MODEL SCF 4 STAGE, DEHYDRATOR WITH ECLIPSE COMBUSTION, MODEL MINNOX, BURNERS

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC regulated natural gas. [District Rules 2201 and 4309, 5.1] Federally Enforceable Through Title V Permit
3. The total heat input to this unit shall not exceed 306,600 MMBtu in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. A non-resettable, totalizing mass or volumetric fuel flow meter shall be installed on the fuel line to the dryer burners. [District Rule 2201] 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. [District Rule 4801 and Merced County Rule 407] Federally Enforceable Through Title V Permit
6. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 0.036 lb-NOX/MMBtu, 0.004 lb-SOX/MMBtu, 0.012 lb-PM10/MMBtu, 0.296 lb-CO/MMBtu, or 0.005 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
8. This unit is not used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. Therefore, the requirements of District Rule 4301 (Amended December 17, 1992) do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. The dehydrator shall be operated and maintained in proper operating condition as recommended by the dehydrator's manufacturer or APCO-approved alternative procedures. [District Rule 4309, 5.1] Federally Enforceable Through Title V Permit
10. 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 4309, 6.1.3] Federally Enforceable Through Title V Permit
11. Permittee shall maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309, 5.4.2 & 6.1.3] 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.

Facility Name: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-22-5: Oct 7 2010 5:30PM - AJYABEU

12. Permittee shall maintain daily operation and maintenance records that demonstrate the dehydrator is 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 Rule 4309, 5.4.2 & 6.1.3] Federally Enforceable Through Title V Permit
13. Records of 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, 9.3.2] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of the cumulative annual heat input to this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
15. All records shall be maintained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309, 6.1.6] 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: N-1657-24-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

ONE (1) DEHYDRATED GARLIC & OTHER ASSORTED VEGETABLE MILLING OPERATION (FLAKE CIRCUIT)  
SERVED BY A P&F FABRICATION, MODEL NO. JI 10 263 3782, BAGHOUSE

## 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 NSR Rule] Federally Enforceable Through Title V Permit
2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All ducting from the milling operations to the baghouse shall be properly maintained to prevent fugitive dust emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The maximum quantity of dehydrated products processed through this milling operation shall not exceed 100 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emission concentration shall not exceed 0.004 lbs/ton of product processed through this milling operation. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Records of the daily amount of product processed through this milling operation, in tons, shall be retained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The baghouse pressure drop shall be observed and recorded quarterly during operation of this unit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Records of baghouse pressure drop 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, 9.3.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] 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. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. 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, 9.3.2] Federally Enforceable Through Title V Permit
16. 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, 9.3.2] Federally Enforceable Through Title V Permit
17. 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-25-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

ONE (1) DEHYDRATED GARLIC & OTHER ASSORTED VEGETABLE MILLING OPERATION (GRANULATED/GROUND CIRCUIT) SERVED BY A P&F FABRICATION, MODEL NO. JI 10 263 3782, BAGHOUSE IN PERMIT N-1657-24

## PERMIT UNIT REQUIREMENTS

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1. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All ducting from the milling operations to the baghouse shall be properly maintained to prevent fugitive dust emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The maximum quantity of dehydrated products processed through this milling operation shall not exceed 100 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emission concentration shall not exceed 0.004 lbs/ton of product processed through this milling operation. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Records of the daily amount of product processed through this milling operation, in tons, shall be retained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The baghouse pressure drop shall be observed and recorded quarterly during operation of this unit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Records of baghouse pressure drop 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, 9.3.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Visible emissions shall be observed once per calendar quarter during operation. Any indication of potential visible emissions in excess of the limits of Rule 4101 shall be corrected within 24 hours. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] 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.

Facility Name: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-25-2; Oct 7 2019 5:30PM - AIVABEJ

14. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. 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, 9.3.2] Federally Enforceable Through Title V Permit
16. 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, 9.3.2] Federally Enforceable Through Title V Permit
17. 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-30-2

EXPIRATION DATE: 09/30/2015

## EQUIPMENT DESCRIPTION:

MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION (GROUP II VEHICLES) WITH HVLP SPRAY EQUIPMENT AND AN ENCLOSED GUN CLEANING SYSTEM.

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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
3. The VOC emissions from this operation shall not exceed 27.5 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The VOC emissions from this operation shall not exceed 235 pounds in any given year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The PM10 emissions from this operation shall not exceed 2.0 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The PM10 emissions from this operation shall not exceed 80 pounds in any given year. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The permittee shall maintain annual records of the amount of VOC and PM10 emissions generated by this coating operation and those records shall be updated daily. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall not apply to any motor vehicle, mobile equipment, or associated parts and components, any coating with a VOC regulatory content exceeding any of the following limits, as applicable: adhesion promoter 840 g/l (7.0 lb/gal) until 12/31/2009, and 540 g/l (4.5 lb/gal) thereafter; clear coating 250 g/l (2.1 lb/gal); color coating 420 g/l (3.5 lb/gal); multi-color coating 680 g/l (5.7 lb/gal); pretreatment coating 660 g/l (5.5 lb/gal); primer 250 g/l (2.1 lb/gal); primer sealer 420 g/l (3.5 lb/gal) until 12/31/2009, and 250 g/l (2.1 lb/gal) thereafter; single-stage coating 420 g/l (3.5 lb/gal) until 12/31/2009, and 340 g/l (2.8 lb/gal) thereafter; temporary protective coating 60 g/l (0.5 lb/gal); underbody coating 430 g/l (3.6 lb/gal); uniform finish coating 540 g/l (4.5 lb/gal); and any other coating type 250 g/l (2.1 lb/gal). [District Rule 4612, 5.1] Federally Enforceable Through Title V Permit
9. If anywhere on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature, any representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in Section 5.1 of District Rule 4612, then the lowest applicable VOC content limit shall apply. [District Rule 4612, 5.2] Federally Enforceable Through Title V Permit
10. Permittee shall not possess any automotive coating that is not in compliance with Section 5.1 of District Rule 4612. [District Rule 4612, 5.5] 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.

Facility Name: SENSIENT DEHYDRATED FLAVORS COMPANY  
Location: 9984 WEST WALNUT AVENUE, LIVINGSTON, CA 95334  
N-1657-30-2; Oct 15 2010 8:13AM - AIVABEU

11. Except for underbody coatings, graphic arts operations, truck bed liner coatings, or any coating use of less than one (1.0) fluid ounce (29.6 milliliters), permittee shall not apply any coating to any motor vehicle, mobile equipment, or associated parts and components unless one of the following application methods is used: brush, dip, roller, electrostatic spray, or High-Volume Low-Pressure (HVLP) spray equipment. [District Rule 4612, 5.8] Federally Enforceable Through Title V Permit
12. If a spray gun is used, the permittee must demonstrate that the gun meets the HVLP definition in section 3.21 of District Rule 4612 in design and use. A satisfactory demonstration must be based on the manufacturer's published technical material on the design of the gun and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rule 4612, 5.8] Federally Enforceable Through Title V Permit
13. For solvent cleaning operations other than for bug and tar removal, permittee shall not use solvents that have VOC content greater than 25 grams VOC per liter of cleaning material. For bug and tar removal, permittee shall not use any material other than bug and tar remover regulated under the Consumer Products Regulation (California Code of Regulations Section 94507 et seq.). [District Rule 4612, 5.9] Federally Enforceable Through Title V Permit
14. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials such as cloth, paper, etc., coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, which shall remain closed at all times except when depositing or removing the contents or when empty. [District Rule 4612, 5.10] Federally Enforceable Through Title V Permit
15. Permittee shall maintain and have available at all times, on site, the following: (1) A current list of all coatings used that are subject to this rule, which shall include the following information for each coating: (a) material name and manufacturer (b) application method (c) coating type (as listed in section 5.1 of the rule) and mix ratio specific to the coating (d) VOC Actual for Coatings and VOC Regulatory for Coatings, as applied, calculated pursuant to section 3.43 of the rule (2) Current manufacturer specification sheets, material safety data sheets, technical data sheets, or air quality data sheets, which list the VOC Actual for Coatings and VOC Regulatory for Coatings of each ready-to-spray coating (based on the manufacturer's stated mix ratio) and automotive coating components (3) Purchase records identifying the coating type (as listed in section 5.1 of the rule), name, and volume of coatings. [District Rule 4612, 6.4] Federally Enforceable Through Title V Permit
16. If using solvents for cleaning, permittee shall keep the following records: (1) A copy of the manufacturer's product data sheet or material safety data sheet of the solvents used (2) A current list of solvents, which shall include the following information: (a) the name of the solvent and its manufacturer's name (b) the VOC content of the solvent expressed in grams/liter or lb/gallon (c) when the solvent is a mixture of different materials that are blended by the end user, the mix ratio of the batch shall be recorded and the VOC content of the batch shall be calculated and recorded in order to determine compliance with the specified limits of VOC content (3) The quantity of solvent used for solvent cleaning activities. [District Rule 4612, 6.5] Federally Enforceable Through Title V Permit
17. Records shall be retained on site for a period of five years; shall be made available on site during normal business hours to the APCO, ARB, or EPA; and shall be submitted to the APCO, ARB, or EPA upon request. [District Rule 4612, 6.3] 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: N-1657-31-2

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

220 BHP CHRYSLER MODEL HB 426-474 GASOLINE-FIRED EMERGENCY IC ENGINE #1 POWERING A FIRE PUMP

**PERMIT UNIT REQUIREMENTS**

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be fired on gasoline. [District Rule 2010] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3] Federally Enforceable Through Title V Permit
4. 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 4701, 4.2 and 4702, 4.3] Federally Enforceable Through Title V Permit
5. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the total hours of operation, the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, type and quantity of fuel used, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.), and other support documentation necessary to demonstrate a claim to the exemption. 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 4701, 6.2.2 and 4702, 6.2.3] Federally Enforceable Through Title V Permit
6. All records shall be maintained and retained on-site for a period of at least five years, shall be readily available, and be made available to the APCO upon request. [District Rules 4701, 6.2.3 and 4702, 6.2.3] 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: N-1657-32-2

EXPIRATION DATE: 09/30/2015

**EQUIPMENT DESCRIPTION:**

220 BHP CHRYSLER MODEL HB 426 GASOLINE-FIRED EMERGENCY IC ENGINE #2 POWERING A FIRE PUMP:

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be fired on gasoline. [District Rule 2010] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3] Federally Enforceable Through Title V Permit
4. 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 4701, 4.2 and 4702, 4.3] Federally Enforceable Through Title V Permit
5. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the total hours of operation, the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, type and quantity of fuel used, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.), and other support documentation necessary to demonstrate a claim to the exemption. 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 4701, 6.2.2 and 4702, 6.2.3] Federally Enforceable Through Title V Permit
6. All records shall be maintained and retained on-site for a period of at least five years, shall be readily available, and be made available to the APCO upon request. [District Rules 4701, 6.2.3 and 4702, 6.2.3] Federally Enforceable Through Title V Permit

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

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# ATTACHMENT C

## Detailed Facility List

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Sorted by Facility Name and Permit Number

SENSIENT NATURAL INGREDIENTS LLC 9984 WEST WALNUT AVENUE LIVINGSTON, CA 95334		FAC # N 1657	TYPE TitleV TOXIC ID: 79	EXPIRE ON AREA 8/
STATUS A		INSPECTION DATE 09/17		

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1657-1-3	65,000 kbtu/hr	3020-02 H	1	1,128.00	1,128.00	A	DEHYDRATOR #6: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS FIRED DEHYDRATOR
N-1657-2-6	65 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	PROCTOR & SCHWARTZ NATURAL GAS FIRED FOUR-STAGE VEGETABLE DEHYDRATOR (#1) WITH A 65 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM
N-1657-3-6	65 MMBtu/hr	3020-02 H	1	1,128.00	1,128.00	A	PROCTOR & SCHWARTZ NATURAL GAS FIRED FOUR-STAGE VEGETABLE DEHYDRATOR (#2) WITH A 65 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM
N-1657-4-2	405 HP	3020-01 F	1	666.00	666.00	A	ONION MILL SERVED BY A PRIMARY AND A SECONDARY BAGHOUSE
N-1657-5-2	24,000 KBTU/HR	3020-02 H	1	1,128.00	1,128.00	A	GARLIC BIN DRYERS SERVED BY THREE (3) 8 MMBTU/HR NATURAL GAS-FIRED BURNERS, EACH WITH AN ALLADIN TYPE BA540 FAN
N-1657-6-2	68 hp	3020-01 C	1	217.00	217.00	A	D-STAGE (STEAM HEATED) FOR PROCTOR & SCHWARTZ DEHYDRATOR #2
N-1657-7-2	40 HP	3020-01 B	1	129.00	129.00	A	ONION & GARLIC DEHYDRATOR SERVED BY A MICRO PUL-SAIRE MODEL 1325-8-20 BAGHOUSE AND A MAC H60 CYCLONE
N-1657-8-5	75 hp	3020-01 C	1	217.00	217.00	A	GARLIC CRACKING LINE SERVED BY TWO CYCLONES AND A CARTER DAY MODEL 232-RF8 BAGHOUSE
N-1657-9-2	50,000 kbtu/hr	3020-02 H	1	1,128.00	1,128.00	A	DEHYDRATOR #3: 50.0 MMBTU/HR PROCTOR AND SCHWARTZ NATURAL GAS FIRED THREE-STAGE DEHYDRATOR
N-1657-10-2	35,000 kbtu/hr	3020-02 H	1	1,128.00	1,128.00	A	DEHYDRATOR #4: 35.0 MMBTU/HR PUCCINELLI NATURAL GAS FIRED TWO-STAGE DEHYDRATOR
N-1657-11-0	35,000 KBTU/HR	3020-02 H	1	1,128.00	1,128.00	D	DRYER #5: ONE (1) 35 MMBTU/HR NATURAL GAS FIRED DRYER **** DELETED, AS PER THE APPLICANT ON 08/07/1988 *****
N-1657-12-3	43,250 kbtu/hr	3020-02 H	1	1,128.00	1,128.00	A	ONION UNLOADING AND STORAGE, DRYING EQUIPMENT (43.25 MMBTU/HR), AND WET PROCESSING: EQUIPMENT CONSISTING OF CONVEYORS, BLOWERS, FANS, CURING BAYS, HOPPERS, SOAK TANKS, SLICERS, CORING MACHINE, PUMPS, TUBE DRYERS AND COOLING TOWERS
N-1657-13-2	537 HP	3020-01 F	1	666.00	666.00	A	GARLIC PROCESSING AND MILLING EQUIPMENT
N-1657-14-2	80 HP	3020-01 C	1	217.00	217.00	A	BIN ROOM EQUIPMENT CONSISTING OF A 40 HP VACUUM CYCLONE, DUMPING HOPPER, INSPECTION CONVEYOR, AND MICRO PUL-SAIRE MODEL 1325-8 BAGHOUSE WITH A 40 HP ALLADIN FAN
N-1657-15-11	14.7 MMBtu/hr boiler	3020-02 G	1	893.00	893.00	A	14.7 MMBTU/HR HURST FIRE TUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 ULTRA LOW-NOX BURNER

**Detailed Facility Report**

For Facility=1657

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1657-16-0	65,000 KBTU	3020-02 H	1	1,128.00	1,128.00	D	DRIER #7 PERMIT DELETED **
N-1657-17-0	300 GALLONS	3020-05 A	1	83.00	83.00	D	GASOLINE STORAGE CONTAINER (#1), 300 GALLON. <= 200 GALLON ***=> EXEMPT *** PERMIT DELETED ****
N-1657-18-3	8,000 kbtu/hr	3020-02 G	1	893.00	893.00	A	GARLIC DRYING FACILITY EQUIPPED WITH A MAXON SERIES NP-I 8.0 MMBTU/HR NATURAL GAS FIRED BURNER AND AN ALLADIN MODEL BS542 FAN
N-1657-19-0	300 GALLON	3020-05 A	1	83.00	83.00	D	GASOLINE STORAGE CONTAINER #2, 300 GALLON. <= 200 GALLON *****=> EXEMPT ! *** PERMIT DELETED ****
N-1657-21-3	70 hp	3020-01 C	1	217.00	217.00	A	DEHYDRATED ONION PRODUCTS SEPARATION AND CLEANING OPERATION SERVED BY P&F RECOV-AIRE, MODEL J8-224-2522, 20,000 CFM AIR FLOW DUST COLLECTOR
N-1657-22-5	70,000 kbtu/hr	3020-02 H	1	1,128.00	1,128.00	A	DEHYDRATOR #7: 70 MMBTU/HR PROCTOR & SCHWARTZ, MODEL SCF 4 STAGE, DEHYDRATOR WITH ECLIPSE COMBUSTION, MODEL MINNOX, BURNERS
N-1657-24-2	145.5 HP	3020-01 D	1	345.00	345.00	A	ONE (1) DEHYDRATED GARLIC & OTHER ASSORTED VEGETABLE MILLING OPERATION (FLAKE CIRCUIT) SERVED BY A P&F FABRICATION, MODEL NO. JI 10 263 3782, BAGHOUSE
N-1657-25-2	165.5 HP	3020-01 D	1	345.00	345.00	A	ONE (1) DEHYDRATED GARLIC & OTHER ASSORTED VEGETABLE MILLING OPERATION (GRANULATED/GROUND CIRCUIT) SERVED BY A P&F FABRICATION, MODEL NO. JI 10 263 3782, BAGHOUSE IN PERMIT N-1657-24
N-1657-30-2	10 HP ELECTRIC MOTOR	3020-01 A	1	97.00	97.00	A	MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION (GROUP II VEHICLES) WITH HVLSP SPRAY EQUIPMENT AND AN ENCLOSED GUN CLEANING SYSTEM.
N-1657-31-2	220 hp	3020-10 C	1	264.00	264.00	D	220 BHP CHRYSLER MODEL HB 426-474 GASOLINE-FIRED EMERGENCY IC ENGINE #1 POWERING A FIRE PUMP
N-1657-32-2	220 hp	3020-10 C	1	264.00	264.00	D	220 BHP CHRYSLER MODEL HB 426 GASOLINE-FIRED EMERGENCY IC ENGINE #2 POWERING A FIRE PUMP.
N-1657-33-0	66 mmbtu/hr	3020-02 H	1	1,128.00	1,128.00	A	PROCTOR & SCHWARTZ NATURAL GAS-FIRED THREE-STAGE VEGETABLE DEHYDRATOR (#8) WITH A 66 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM
N-1657-34-0	66 mmbtu/hr	3020-02 H	1	1,128.00	1,128.00	A	PROCTOR & SCHWARTZ NATURAL GAS-FIRED THREE-STAGE VEGETABLE DEHYDRATOR (#9) WITH A 66 MMBTU/HR MAXON NPI AIRLFO BURNER SYSTEM

**Detailed Facility Report**

10/17/16  
5:10 pm

For Facility=1657

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1657-36-3	351.5 HP	3020-01 E	1	451.00	451.00	A	VEGETABLE PROCESSING OPERATION INCLUDING A SCREEN CLEANING AREA, VEGETABLE CONVEYING, CLASSIFICATION, MILLING, SCREENING, AND PACKAGING UNITS ALL SERVED BY A MAC MODEL 144LVS-100-3 BAGHOUSE AND A DONALDSON 162MBT10 BAGHOUSE
N-1657-37-1	Total 33 hp	3020-01 B	1	129.00	129.00	A	GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #1 SERVED BY A 500 CFM DUROVAC MODEL QLP32-536 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC MODEL A350-320 IN-LINE FILTER
N-1657-38-1	Total 33 hp	3020-01 B	1	129.00	129.00	A	GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #2 SERVED BY A 500 CFM DUROVAC MODEL QLP32-536 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC MODEL A350-320 IN-LINE FILTER
N-1657-40-1	20 HP	3020-01 A	1	97.00	97.00	A	GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #3 SERVED BY A 400 CFM DUROVAC MODEL QLPC-26-336 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC IN-LINE FILTER
N-1657-41-1	20 HP	3020-01 A	1	97.00	97.00	A	GENERAL HOUSEKEEPING CENTRALIZED VACUUM CLEANING UNIT #4 SERVED BY A 400 CFM DUROVAC MODEL QLPC-26-336 FILTRATION SYSTEM EQUIPPED WITH A FILTER SEPARATOR (WITH FIVE POLYPRO PTFE FILTERS), AND A DUROVAC IN-LINE FILTER
N-1657-43-1	204 BHP	3020-10 C	1	264.00	264.00	A	204 BHP CUMMINS MODEL CFP7E-F30 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A FIRE PUMP

Number of Facilities Reported: 1

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# ATTACHMENT D

## Template Qualification Form

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Template SJV-UM-0-3

Title V General Permit Template Qualification Form  
for  
Facility-wide Umbrella General Permit Template

District facility ID # NJ-11657

To use this template, remove this sheet and attach to application. The conditions outlined in this template will be placed on your Title V permit.

Any facility may use this facility-wide template as part of its Title V application.

Based on information and belief formed after reasonable inquiry: 1) the information on this form is true and correct and 2) the facility certifies compliance with this template's permit conditions.

Joseph F. Martins  
Signature of Responsible Official

3-30-15  
Date

JOE F. MARTINS  
Name of Responsible Official (Please Print)

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# ATTACHMENT E

EPA CERTIFICATION N-1657-43-2

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EPA Tier 3 Emission Data  
Fire Pump NSPS Compliant

**CFP7E-F30 Fire Pump Driver**

Type: 4 Cycle; In-Line; 6 Cylinder  
Aspiration: Turbcharged, Charge Air Cooled

15 PPM Diesel Fuel																			
RPM	BHP	Fuel Consumption		D2 Cycle Exhaust Emissions										Exhaust					
		Gal/Hr	L/hr	Grams per BHP - HR					Grams per kW - HR					Temperature		Gas Flow			
				NMHC	NOx	NMHC+NOx	CO	PM	NMHC	NOx	NMHC+NOx	CO	PM	°F	°C	CFM	L/sec		
1470	179	9.3	35.2													939	504	1026	484
1760	205	10.6	40.1													879	471	1174	554
1900	190	9.8	37.1													828	442	1180	557
2100	200	10.5	39.7	0.062	2.475	2.537	1.193	0.111	0.083	3.319	3.402	1.600	0.149			836	447	1305	616
2350	201	10.8	40.9													872	467	1468	663
2600	204	11.5	43.5													959	515	1615	762
2700	149	8.4	31.8													950	510	1489	703

The emissions values above are based on CARB approved calculations for converting EPA (500 ppm) fuel to CARB (15 ppm) fuel.

300-4000 PPM Diesel Fuel																			
RPM	BHP	Fuel Consumption		D2 Cycle Exhaust Emissions										Exhaust					
		Gal/Hr	L/hr	Grams per BHP - HR					Grams per kW - HR					Temperature		Gas Flow			
				NMHC	NOx	NMHC+NOx	CO	PM	NMHC	NOx	NMHC+NOx	CO	PM	°F	°C	CFM	L/sec		
1470	179	9.3	35.2													939	504	1026	484
1760	205	10.6	40.1													879	471	1174	554
1900	190	9.8	37.1													828	442	1180	557
2100	200	10.5	39.7	0.075	2.685	2.759	1.193	0.127	0.1	3.600	3.700	1.600	0.170			836	447	1305	616
2350	201	10.8	40.9													872	467	1468	663
2600	204	11.5	43.5													959	515	1615	762
2700	149	8.4	31.8													950	510	1489	703

QSB6.7 Base Model Manufactured by Cummins Inc.  
Using fuel rating 91422

Reference EPA Standard Engine Family: ACEXL0409AAB  
Reference CARB Executive Order: U-R-002-0516

No special options needed to meet current regulation emissions for all 50 states

**Test Methods:**

EPA/CARB Nonroad emissions recorded per 40CFR89 (ref. ISO8178-1) and weighted at load points proscribed in Subpan E, Appendix A, for Constant Speed Engines (ref. ISO8178-4, D2).

**Diesel Fuel Specifications:**

Cetane Number: 40-48  
Reference: ASTM D975 No. 2-D

**Reference Conditions:**

Air Inlet Temperature: 25°C (77°F)  
Fuel Inlet Temperature: 40°C (104°F)  
Barometric Pressure: 100 kPa (29.53 in Hg)  
Humidity: 10.7 g/kg (75 grains H<sub>2</sub>O/lb) of dry air; required for NOx correction

Restrictions: Intake Restriction set to a maximum allowable limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.

Tests conducted using alternate test methods, instrumentation, fuel or reference conditions can yield different results.