



JUL 28 2010

Chris Kaji  
Sensient Dehydrated Flavors Company  
P O Box 485  
Livingston, CA 95334

**Re: Notice of Preliminary Decision - Title V Permit Renewal  
District Facility # N-1657  
Project # N-1062643**

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 Dehydrated Flavors Company for its dehydrated food processing operation at 9984 W. Walnut Ave in Livingston, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner  
Director of Permit Services

Attachments  
C: Jonah Aiyabei, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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

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

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



JUL 28 2010

Gerardo C. Rios, Chief  
Permits Office (AIR-3)  
U.S. EPA - Region IX  
75 Hawthorne St.  
San Francisco, CA 94105

**Re: Notice of Preliminary Decision – Title V Permit Renewal  
District Facility # N-1657  
Project # N-1062643**

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Sensient Dehydrated Flavors Company for its dehydrated food processing operation at 9984 W. Walnut Ave in Livingston, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner  
Director of Permit Services

**Attachments**

C: Jonah Aiyabei, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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JUL 28 2010

Mike Tollstrup, Chief  
Project Assessment Branch  
Air Resources Board  
P O Box 2815  
Sacramento, CA 95812-2815

**Re: Notice of Preliminary Decision - Title V Permit Renewal  
District Facility # N-1657  
Project # N-1062643**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Sensient Dehydrated Flavors Company for its dehydrated food processing operation at 9984 W. Walnut Ave in Livingston, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner  
Director of Permit Services

**Attachments**

C: Jonah Aiyabei, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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Merced Sun Star

**NOTICE OF PRELIMINARY DECISION  
FOR THE PROPOSED RENEWAL OF  
THE FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed renewal of the Federally Mandated Operating Permit to Sensient Dehydrated Flavors Company for its dehydrated food processing operation at 9984 W. Walnut Ave in Livingston, California.

The District's analysis of the legal and factual basis for this proposed action, project #N-1062643, is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and the District office at the address below. This will be the public's only opportunity to comment on the specific conditions of the proposed renewal of the Federally Mandated Operating permit. If requested by the public, the District will hold a public hearing regarding issuance of this renewed permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. Written comments on the proposed renewed permit must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CALIFORNIA 93726-0244.

**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation  
Sensient Dehydrated Flavors Company  
N-1657**

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# PROPOSED TITLE V PERMIT RENEWAL EVALUATION DEHYDRATED FARM PRODUCE

**Engineer:** Jonah Aiyabei  
**Date:** July 23, 2010

**Facility Number:** N-1657  
**Facility Name:** Sensient Dehydrated Flavors Company  
**Mailing Address:** P O Box 485  
Livingston, CA 95334

**Contact Name:** Chris Kaji, EHS Engineer  
**Phone:** 209-394-7979

**Responsible Official:** Joe Martins  
**Title:** Director of Manufacturing

**Project # :** N-1062643  
**Deemed Complete:** October 20, 2006

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## I. PROPOSAL

Sensient Dehydrated Flavors Company was issued a Title V permit on February 28, 2003. As required by District Rule 2520, the applicant has requested a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

In addition the applicant has requested that the equipment descriptions for permit units N-1657-1, N-1657-2, N-1657-3, N-1657-6, N-1657-9, N-1657-10, and N-1657-22 be modified to indicate that these units are dehydrators rather than dryers. For each affected unit, the word "DRYER" in the equipment description will be replaced by the word "DEHYDRATOR". The applicant has requested this correction in order to ensure that the equipment descriptions are consistent with the definitions of 'DRYER' and 'DEHYDRATOR' in District Rule 4309. The affected permit units are used to remove free water from products and are therefore considered to be dehydrators pursuant to District Rule 4309, section 3.9.

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

## **II. FACILITY LOCATION**

Sensient Dehydrated Flavors Company is located at 9984 W. Walnut Ave, Livingston, CA.

## **III. EQUIPMENT LISTING**

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

## **IV. GENERAL PERMIT TEMPLATE USAGE**

The applicant does not propose to use any model general permit templates.

## **V. SCOPE OF EPA AND PUBLIC REVIEW**

Since the applicant is not proposing to use any model general permit templates, all federally enforceable conditions in the renewed Title V permit will be subject to EPA and public review.

## **VI. FEDERALLY ENFORCEABLE REQUIREMENTS**

### **A. Rules Updated**

- District Rule 2201, New and Modified Stationary Source Review Rule (amended December 18, 2008)
- District Rule 4101, Visible Emissions (amended December 17, 1992 ⇒ amended February 17, 2005)
- District Rule 4305, Boilers, Steam Generators and Process Heaters - Phase 2 (amended December 19, 1996 ⇒ amended August 21, 2003)

- District Rule 4306, Boilers, Steam Generators and Process Heaters - Phase 3 (adopted September 18, 2003 ⇒ amended October 16, 2008)
- District Rule 4351, Boilers, Steam Generators and Process Heaters - Phase 1 (amended October 19, 1995 ⇒ amended August 21, 2003)
- District Rule 4601, Architectural Coatings (amended October 31, 2001 ⇒ amended December 17, 2009)
- District Rule 4701, Internal Combustion Engines – Phase 1 (Amended August 21, 2003)
- District Rule 4702, Internal Combustion Engines – Phase 2 (Amended June 16, 2005 ⇒ amended January 18, 2007)
- District Rule 8011, General Requirements (Adopted November 15, 2001; amended August 19, 2004)
- 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)

The following rules have been amended from previous non-State Implementation Plan (SIP) versions to correct SIP deficiencies and are now included in the SIP:

- District Rule 1081, Source Sampling, (amended December 16, 1993)
- District Rule 2010, Permits Required, (amended December 17, 1992)
- District Rule 2020, Exemptions, (amended December 19, 2002)
- 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 4201, Particulate Matter Concentration, (amended December 17, 1992)
- District Rule 4202, Particulate Matter Emission Rate, (amended December 17, 1992)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)

**B. Rules Removed**

- District Rule 4602, Motor Vehicle and Mobile Equipment Coatings Operations (amended December 20, 2001)

**C. Rules Added**

- 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 MMBtu/hr (adopted October 16, 2008)

- District Rule 4612, Motor Vehicle And Mobile Equipment Coating Operations – Phase 2 (adopted September 21, 2006 ⇒ amended September 20, 2007)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM)
- 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

**D. 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 2301, Emission Reduction Credit Banking (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits (adopted June 15, 1995 ⇒ amended June 21, 2001 )
- District Rule 4301, Fuel Burning Equipment (amended December 17, 1992)
- 40 CFR 68 – Chemical Accident Prevention

**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".

The following rule, which has not been updated since the initial Title V permit was issued, is not federally enforceable and will not be discussed in further detail:

**A. District Rule 4102 – Nuisance**

This rule is applicable to any source operation which emits or may emit air contaminants or other materials. This rule stipulates that a person shall not discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such person or the public or which cause or have a natural tendency to cause injury or damage to business or property.

N-1657-0-2 – Facilitywide Requirements

- Condition 42 of the facilitywide requirements is based on the rule listed above and is not Federally Enforceable through Title V.

**B. District Rule 4320 - Advanced Emission Reduction Options For Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/Hr**

The purpose of District Rule 4320 is to limit emissions of oxides of Nitrogen (NO<sub>x</sub>), Carbon Monoxide (CO), oxides of Sulfur (SO<sub>2</sub>), and particulate matter 10 microns or less (PM<sub>10</sub>) from boilers, steam generators, and process heaters. The rule is applicable to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a total rated heat input greater than 5 million Btu per hour.

The rule was adopted on October 16, 2008, and has not yet been approved into the SIP.

Most of the requirements of this rule are not yet applicable at this time. Section 6.4.1 requires the operator of any unit subject to this rule to submit to the APCO for approval an Emissions Control Plan (ECP) according to the compliance schedule in Section 7.0, specifying how the rule requirements will be implemented once they take effect.

N-1657-15-7 - 14.7 MMBTU/HR HURST FIRETUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 ULTRA LOW-NOX BURNER

- The facility has submitted the required ECP for this permit unit. According to the ECP, an Authority to Construct application for

implementation of the rule requirements will be submitted by July 1, 2011. No other requirements are applicable at this point.

## VIII. COMPLIANCE

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

### A. District Rule 2201 – New and Modified Stationary Source Review Rule

District Rule 2201 has been amended since this facility's initial Title V permit was issued. This Title V permit renewal does not constitute a modification per section 3.26, defined as an action including at least one of the following items:

- 1) Any change in hours of operation, production rate, or method of operation of an existing emissions unit, which would necessitate a change in permit conditions.
- 2) Any structural change or addition to an existing emissions unit which would necessitate a change in permit conditions. Routine replacement shall not be considered to be a structural change.
- 3) An increase in emissions from an emissions unit caused by a modification of the Stationary Source when the emissions unit is not subject to a daily emissions limitation.
- 4) Addition of any new emissions unit which is subject to District permitting requirements.
- 5) A change in a permit term or condition proposed by an applicant to obtain an exemption from an applicable requirement to which the source would otherwise be subject.

Therefore, the updated requirements of this rule are not applicable at this time.

### B. District Rule 4101 – Visible Emissions

District Rule 4101 was approved by EPA on August 11, 2005 to replace SIP approved Rule 401 (all counties of the SJVUAPCD).

Section 5.0 prohibits the discharge of any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is as dark or

darker in shade as that designated as No. 1 on the Ringelmann Chart; or is of such opacity as to obscure an observer's view to a degree equal to or greater than the smoke described in Section 5.1 of Rule 4101.

The following permit requirement, which is based on this rule, has been revised as follows:

a. N-1657-0-2 – Facilitywide Requirements

- Condition 22 has been revised to update the rule amendment date referenced in the condition text, and to remove the superceded County Rule 401 from the citation section.
- Condition 39 has been revised to remove the superceded County Rule 401 from the condition text.
- Condition 40 has been revised to update the rule amendment date referenced in the condition text.

b. N-1657-30-2 – MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION (GROUP II VEHICLES) WITH HVLP SPRAY EQUIPMENT AND AN ENCLOSED GUN CLEANING SYSTEM

- Condition 1 on the existing permit to operate has been removed because the condition is already on the facilitywide requirements permit unit.

**C. District Rule 4305 – Boilers, Steam Generators and Process Heaters – Phase 2**

The purpose of District Rule 4305 is to limit emissions of oxides of nitrogen (NO<sub>x</sub>) and carbon monoxide (CO) from boilers, steam generators, and process heaters. The rule is applicable to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a rated heat input greater than 5 million Btu per hour.

The most recent version of the rule (amended August 21, 2003) was approved into the SIP on May 18, 2004.

Section 5.1.1 of the rule requires that NO<sub>x</sub> emissions from boilers operated on gaseous fuel shall not exceed 30 ppmv or 0.036 lb/MMBtu.

Section 5.3 requires that, for boilers subject to section 5.1, CO emissions shall not exceed 400 ppmv.

Section 5.4.2 requires that the operator of any unit subject to the emission limits in sections 5.1 and 5.3 shall either install and maintain an operational APCO approved Continuous Emissions Monitoring System (CEMS) for NO<sub>x</sub>, CO, and oxygen; or install and maintain APCO-approved Alternate Monitoring System which shall monitor one or more of the following: (a) periodic NO<sub>x</sub> and CO exhaust emission concentrations, (b) periodic exhaust oxygen concentration, (c) flow rate of reducing agent added to exhaust, (d) catalyst inlet and exhaust temperature, (e) catalyst inlet and exhaust oxygen concentration, (f) periodic flue gas recirculation rate, or (g) other operational characteristics.

Section 5.5.1 provides that the operator of any unit shall have the option of complying with either the heat input (lb/MMBtu) emission limits or the concentration (ppmv) emission limits specified in section 5.1, and requires that the emission limits selected to demonstrate compliance shall be specified in the source test proposal pursuant to Rule 1081 (Source Sampling).

Section 5.5.2 requires that 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, and that no determination of compliance with the requirements of Section 5.1 or 5.3 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.

Section 5.5.5 requires that for emissions source testing performed pursuant to Section 6.3.1 for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply, and that if two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.

Section 6.1 requires that the records shall be maintained for five calendar years and shall be made available to the APCO upon request.

Section 6.1.4 requires that the operator shall maintain records to verify that the required tune-up and the required monitoring of the operational characteristics of the unit have been performed.

Section 6.2 specifies the approved source test methods, as follows: (6.2.1) fuel hhv - ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels, (6.2.2) Oxides of nitrogen (ppmv) - EPA Method 7E, or ARB Method 100, (6.2.3) Carbon monoxide (ppmv) - EPA Method 10, or ARB Method 100, (6.2.4) Stack gas oxygen - EPA Method 3 or 3A, or ARB Method

100, (6.2.5) NO<sub>x</sub> Emission Rate (Heat Input Basis) - EPA Method 19, (6.2.6) Stack gas velocities - EPA Method 2, and (6.2.7) Stack gas moisture content - EPA Method 4.

Section 6.3.1 requires that each unit subject to Section 5.1 or 5.2.3 shall be source tested to determine compliance with the applicable requirements at least once every 12 months. Units demonstrating compliance on two consecutive 12-month source tests may defer the following source test for up to 36 months. During the 36-month source testing interval, the operator shall tune the unit in accordance with the provisions of Section 5.2.1, 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 specified in sections 5.1.1. Tune-ups required by Sections 5.2.1 and 6.3.1 do not need to be performed for units that operate an APCO approved CEMS or an APCO approved Alternate Monitoring System where the applicable emission limits are periodically monitored. If the result of the 36-month source testing demonstrates that the unit does not meet the applicable emission limits specified in sections 5.1.1 and 5.3, then the source testing frequency shall revert to at least once every 12 months.

The following permit conditions, which are based on the requirements of this rule, have been modified as follows:

a. N-1657-15-7 - 14.7 MMBTU/HR HURST FIRETUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 ULTRA LOW-NOX BURNER

- Conditions 3 and 4, which ensure compliance with sections 5.1 and 5.3 of the rule, have been modified to include rule section numbers in the citations.
- Condition 5 has been modified to remove Rule 4305 from the citation since, due to overriding NSR requirements, the unit is not exempt from compliance with the NO<sub>x</sub> and CO emission limits during startups and shutdowns, as would otherwise be permitted by Rule 4305, section 5.5.6.
- Conditions 7 through 10, and 12 have been modified to include rule sections in the citations.
- Condition 14 has been modified to include the specified test methods for stack gas velocity and stack gas moisture content, and to include rule sections in the citation.
- Condition 16, which specifies source testing frequency, has been modified to include additional requirements for monitoring operational characteristics when on extended (36-month) source test interval, and

for maintenance of records for required tune-ups and operational characteristics monitoring. The citation has been modified to include the rule section.

- Conditions 18 through 23, and 27 have been modified to include rule sections in the citations.

**D. District Rule 4306 - Boilers, Steam Generators and Process Heaters - Phase 3**

The purpose of District Rule 4306 is to limit emissions of oxides of nitrogen (NO<sub>x</sub>) and carbon monoxide (CO) from boilers, steam generators, and process heaters. The rule is applicable to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a rated heat input greater than 5 million Btu per hour.

The most recent version of the rule (amended October 16, 2008) was approved into the SIP on January 13, 2010.

Section 5.1 of the rule requires that NO<sub>x</sub> emissions from boilers with a rated heat input equal to or less than 20.0 MMBtu/hour shall not exceed 15 ppmv or 0.018 lb/MMBtu, and that CO emissions shall not exceed 400 ppmv.

Section 5.2.1 provides that, for units subject to tune-up requirements, 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. In addition this section provides that no tune-up is required for any unit that is not operated during that calendar year; and that the unit may be test fired to verify availability for its intended use, but once the test firing is completed the unit shall be shutdown.

Section 5.3 provides that the applicable emission limits of sections 5.1 shall not apply during start-up or shutdown provided that the duration of each start-up or each shutdown shall not exceed two hours, and that the emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown.

Section 5.4.2 requires that the operator of any unit subject to the emission limits in sections 5.1 and 5.3 shall either install and maintain an operational APCO approved Continuous Emissions Monitoring System (CEMS) for NO<sub>x</sub>, CO, and oxygen; or install and maintain APCO-approved Alternate Monitoring System which shall monitor one or more of the following: (a) periodic NO<sub>x</sub> and CO exhaust emission concentrations, (b) periodic exhaust oxygen concentration, (c) flow rate of reducing agent added to exhaust, (d) catalyst inlet and exhaust temperature, (e) catalyst inlet and exhaust oxygen



concentration, (f) periodic flue gas recirculation rate, or (g) other operational characteristics.

Section 5.5.1 provides that the operator of any unit shall have the option of complying with either the heat input (lb/MMBtu) emission limits or the concentration (ppmv) emission limits specified in section 5.1, and requires that the emission limits selected to demonstrate compliance shall be specified in the source test proposal pursuant to Rule 1081 (Source Sampling).

Section 5.5.2 requires that 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, and that no determination of compliance with the requirements of Section 5.1 or 5.3 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.

Section 5.5.5 requires that for emissions source testing performed pursuant to Section 6.3.1 for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply, and that if two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.

Section 6.1 requires that the records shall be maintained for five calendar years and shall be made available to the APCO upon request.

Section 6.1.3 requires that the operator shall maintain records to verify that the required tune-up and the required monitoring of the operational characteristics of the unit have been performed.

Section 6.2 specifies the approved source test methods, as follows: (6.2.1) fuel hhv - ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels, (6.2.2) Oxides of nitrogen (ppmv) - EPA Method 7E, or ARB Method 100, (6.2.3) Carbon monoxide (ppmv) - EPA Method 10, or ARB Method 100, (6.2.4) Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100, (6.2.5) NO<sub>x</sub> Emission Rate (Heat Input Basis) - EPA Method 19, (6.2.6) Stack gas velocities - EPA Method 2, and (6.2.7) Stack gas moisture content - EPA Method 4.

Section 6.3.1 requires that each unit subject to Section 5.1 or 5.2.3 shall be source tested to determine compliance with the applicable requirements at least once every 12 months. Units demonstrating compliance on two consecutive 12-month source tests may defer the following source test for up

to 36 months. During the 36-month source testing interval, the operator shall tune the unit in accordance with the provisions of Section 5.2.1, 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 specified in sections 5.1.1. Tune-ups required by Sections 5.2.1 and 6.3.1 do not need to be performed for units that operate an APCO approved CEMS or an APCO approved Alternate Monitoring System where the applicable emission limits are periodically monitored. If the result of the 36-month source testing demonstrates that the unit does not meet the applicable emission limits specified in sections 5.1.1 and 5.3, then the source testing frequency shall revert to at least once every 12 months.

The following permit conditions, which are based on the requirements of this rule, have been modified as follows:

N-1657-15-7 - 14.7 MMBTU/HR HURST FIRETUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 ULTRA LOW-NOX BURNER

- Conditions 3 and 4, which ensure compliance with sections 5.1 and 5.3 of the rule, have been modified to include the rule section numbers in the citations.
- Condition 5 has been modified to include a requirement that the emission control system must be used during startup/shutdown, and the emissions must be minimized insofar as technologically feasible. The rule section has been added to the citation.
- Conditions 7 through 10, 12 and 13 have been modified to include rule sections in the citations.
- Condition 14 has been modified to include the specified test methods for stack gas velocity and stack gas moisture content, and to include rule sections in the citation.
- Condition 16, which specifies source testing frequency, has been modified to include additional requirements for monitoring operational characteristics when on extended (36-month) source test interval, and for maintenance of records for required tune-ups and operational characteristics monitoring. The citation has been modified to include the rule section.
- Conditions 17 through 23, and 27 have been modified to include rule sections in the citations.

**E. District Rule 4309 - Dryers, Dehydrators, and Ovens**

The purpose of District Rule 4309 is to limit emissions of oxides of nitrogen (NO<sub>x</sub>) and carbon monoxide (CO) from dryers, dehydrators and ovens. The rule is applicable to any dryers, dehydrators and ovens with a rated heat input greater than 5 million Btu per hour.

The rule was adopted on December 15, 2005, and was approved into the SIP on May 30, 2007.

Section 5.1 of the rule requires that dehydrators shall be fired exclusively on PUC quality natural gas, except during periods of PUC quality natural gas curtailment; and be operated and maintained according to manufacturer's specifications or APCO-approved alternative procedures.

Section 4.3 provides an exemption from the requirements of section 5.1 during periods of PUC quality natural gas curtailment. Under this exemption, fuels other than PUC quality natural gas may be burned for up to 168 cumulative hours in a calendar year, plus 48 hours per calendar year for equipment testing; and NO<sub>x</sub> emissions shall not exceed 30 ppmv, or 0.215 lb/MMBtu.

Section 5.2 requires that for any unit subject to this rule, except dehydrators, NO<sub>x</sub> emissions shall not exceed 4.3 ppmv and CO emissions shall not exceed 42 ppmv.

Section 5.3 provides that the applicable emission limits in section 5.2 shall not apply during start-up or shutdown, provided that for units not equipped with a NO<sub>x</sub> exhaust control system, the duration of each start-up and each shutdown shall not exceed one hour. For units equipped with a NO<sub>x</sub> exhaust control system, the NO<sub>x</sub> exhaust control system shall be in operation and emissions shall be minimized as much as technologically feasible during start-up or shutdown and the duration of each start-up and each shutdown shall not exceed two hours.

Section 5.4.1 requires that, except for dehydrators, the operator of any unit subject to the emission limits in sections 5.2 shall either install and maintain an APCO-approved Continuous Emissions Monitoring System (CEMS) for NO<sub>x</sub> and Oxygen; or install and maintain an alternate emissions monitoring method which shall monitor one or more of the following: (a) periodic NO<sub>x</sub> exhaust emission concentrations, (b) periodic exhaust oxygen concentration, (c) flow rate of reducing agent added to exhaust, (d) catalyst inlet and exhaust temperature, (e) catalyst inlet and exhaust oxygen concentration, (f) periodic flue gas recirculation rate, or (g) other operational characteristics.

Section 5.4.1 also requires that, for alternate emission monitoring methods, the operator shall source test over the proposed range of surrogate operating parameters to demonstrate compliance with the applicable emission limits.

Section 5.4.2 requires that the operator of a dehydrator shall maintain records that demonstrate, to the satisfaction of the APCO, ARB, and US EPA that the dehydrator is fired exclusively on PUC quality natural gas, except during PUC quality natural gas curtailment, and that it is properly operated and maintained according to manufacturer's specifications or APCO-approved alternative procedures.

Section 5.5.1 requires that all emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the PTO.

Section 5.5.2 requires that 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.

Section 5.5.5 requires that for emissions monitoring pursuant to Section 5.4.1.2.2.1, emission readings 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.

Section 5.5.6 requires that for emissions source testing performed pursuant to Section 6.3.1 to determine compliance with an applicable emission limit of this rule, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply. If two of the three runs individually demonstrate emissions above the applicable limit, the test cannot be used to demonstrate compliance for the unit; even if the averaged emissions of all three test runs is less than the applicable limit.

Section 6.1.2 requires that operators using an alternate emission monitoring system shall maintain records of (a) total hours of operation, (b) type and quantity of fuel used during operations, (c) measurement for each surrogate parameter, and (d) range of allowed values for each surrogate parameter.

Section 6.1.3 requires that the operator of a dehydrator shall maintain the following records: (a) records that show the dehydrator is fired exclusively on PUC quality natural gas, except during PUC quality natural gas curtailment, (b) operation and maintenance records that demonstrate operation of the dehydrator within the limits of the manufacturer's specification and maintenance according to manufacturer's recommendation or APCO-

approved alternative procedures (operation records shall be maintained on a daily basis when the dehydrator is operating), (c) maintenance records that verify that maintenance was performed in accordance with manufacturer's specifications or APCO-approved alternative procedures, (d) 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.

Section 6.1.4 requires that the operator of a unit subject to section 5.2 and performing start-up or shutdown of that unit shall keep records of the duration of each start-up and each shutdown.

Section 6.1.5 requires that the operator of any unit subject to this rule and operated under the exemption of section 4.3 shall monitor and record, for each unit, the cumulative annual hours of operation on each fuel other than PUC quality natural gas during periods of natural gas curtailment and equipment testing, and record the NO<sub>x</sub> emissions for each unit that is operated during periods of PUC quality natural gas curtailment.

Section 6.1.6 requires that records shall be maintained for five (5) calendar years, be made available on-site during normal business hours, and be submitted to the APCO upon request.

Section 6.2 specifies the approved source test methods, as follows: (6.2.1) fuel hhv - ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels, (6.2.2) Oxides of nitrogen (ppmv) - EPA Method 7E, or ARB Method 100, (6.2.3) Carbon monoxide (ppmv) - EPA Method 10, or ARB Method 100, (6.2.4) Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100, (6.2.5) NO<sub>x</sub> Emission Rate (Heat Input Basis) - EPA Method 19, (6.2.6) Stack gas velocities - EPA Method 2, and (6.2.7) Stack gas moisture content - EPA Method 4.

Section 6.3.2 requires that each unit subject to the requirements in sections 4.3, or 5.2 shall be initially source tested to determine compliance with the applicable emission limits; and thereafter each unit subject to Section 5.2 emission limits shall be source tested at least once every 24 months; or, (pursuant to section 6.3.3), at least once every 36 months for units that operate less than 50 days per calendar year.

Section 6.3.4 requires that each exhaust stack of a unit subject to the requirements in Sections 4.3 or 5.2 shall be source-tested to demonstrate compliance with the applicable emission limits.

Section 6.3.5 requires that the APCO shall be notified according to the provisions of Rule 1081 (Source Sampling).

Section 6.3.6 requires that emissions source testing shall be conducted with the unit operating either at conditions representative of normal operations or conditions specified in the PTO.

Section 6.3.7 requires that all test results for NOx and CO shall be reported in ppmv, corrected to dry stack conditions and adjusted using the oxygen correction factor.

Section 6.3.8 requires that, for the purpose of determining compliance with an applicable emission limit, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply.

Section 6.3.9 requires that if two of the three runs specified by Section 6.3.8 individually demonstrate emissions above the applicable limit, the test cannot be used to demonstrate compliance for the unit, even if the averaged emissions of all three runs is less than the applicable limit.

The following permit conditions, which are based on the requirements of this rule, have been modified as follows:

- a. N-1657-1-3 - DEHYDRATOR #6: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS-FIRED DEHYDRATOR
- b. N-1657-22-5 - 70 MMBTU/HR PROCTOR & SCHWARTZ MODEL SCF FOUR-STAGE DEHYDRATOR (#7) WITH ECLIPSE COMBUSTION MODEL MINNOX BURNERS
  - Conditions 2, 9 through 12, and 15, which ensure compliance with sections 5.1, 5.4.2, 6.1.3 and 6.1.6 of the rule, have been modified to include the rule section numbers in the citations.
- c. N-1657-2-3 - DEHYDRATOR #1: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS FIRED FOUR-STAGE DEHYDRATOR
- d. N-1657-3-3 - DEHYDRATOR #2: 65.0 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS FIRED FOUR-STAGE DEHYDRATOR
- e. N-1657-9-2 - 50 MMBTU/HR PROCTOR AND SCHWARTZ NATURAL GAS-FIRED THREE-STAGE DEHYDRATOR (#3)

f. N-1657-10-2 - 35 MMBTU/HR PUCCINELI NATURAL GAS-FIRED TWO-STAGE DEHYDRATOR (#4)

- Conditions 2, 6 through 9, and 12, which ensure compliance with sections 5.1, 5.4.2, 6.1.3 and 6.1.6 of the rule, have been modified to include the rule section numbers in the citations.

g. N-1657-6-2 - D-STAGE (STEAM HEATED) FOR PROCTOR & SCHWARTZ DEHYDRATOR #2

- Conditions 2, 5 through 8, and 11, which ensure compliance with sections 5.1, 5.4.2, 6.1.3 and 6.1.6 of the rule, have been modified to include the rule section numbers in the citations.

**F. District Rule 4351 - Boilers, Steam Generators and Process Heaters - Phase 1**

The purpose of District Rule 4351 is to limit emissions of oxides of Nitrogen (NO<sub>x</sub>) from boilers, steam generators, and process heaters to levels consistent with reasonably available control technology (RACT). The rule is applicable to any boiler, steam generator or process heater, with a rated heat input greater than 5 million Btu per hour that is fired with gaseous and/or liquid fuels, and is included in a major NO<sub>x</sub> source.

The most recent version of the rule (amended August 21, 2003) was approved into the SIP on May 18, 2004.

Section 5.1 of the rule requires that NO<sub>x</sub> emissions shall not exceed 95 ppmv or 0.10 lb/MMBtu. Section 5.5 of the rule requires that CO emissions shall not exceed 400 ppmv.

Section 5.7.1 requires that 5.7.1 the owner of any unit shall have the option of complying with either the heat input basis (lb/MMBtu) emission limits or the concentration (ppmv) emission limits specified in Section 5.1.

Section 5.7.2 requires that all emission measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. Compliance determination shall be conducted with the unit operating at conditions representative of normal operations.

Section 6.1 requires that records required shall be maintained for a period of five calendar years and shall be made available to the APCO upon request.

Section 6.1.1 requires that the owner of each unit shall monitor and record the hhv and cumulative annual use of each fuel.

Section 6.2 specifies the approved source test methods, as follows: (6.2.1) fuel hhv - ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels; or fuel supplier certification; (6.2.2) Oxides of nitrogen (ppmv) - EPA Method 7E, or ARB Method 100; (6.2.3) Carbon monoxide (ppmv) - EPA Method 10, or ARB Method 100; (6.2.4) Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100; (6.2.5) NO<sub>x</sub> Emission Rate (Heat Input Basis) - EPA Method 19; (6.2.6) Stack gas velocities - EPA Method 2; and (6.2.7) Stack gas moisture content - EPA Method 4.

Section 6.3.1 requires that units subject to this rule shall be source tested to determine compliance with the applicable requirements at least once every 12 months. Units demonstrating compliance on two consecutive 12-month source tests may defer the following source test for up to 36 months. During the 36-month source testing interval, the operator shall tune the unit in accordance with the provisions of Section 5.2.1, and shall monitor, at least on a monthly basis, the unit's operational characteristics recommended by the manufacturer to ensure compliance with the emission. Tune-ups required by Sections 5.2.1 and 6.3.1 do not need to be performed for units that operate an APCO approved CEMS or an APCO approved Alternate Monitoring System where the applicable emission limits are periodically monitored. If the result of the 36-month source testing demonstrates that the unit does not meet the applicable emission limits, then the source testing frequency shall revert to at least once every 12 months.

The following permit conditions, which are based on the requirements of this rule, have been modified as follows:

N-1657-15-7 – 14.7 MMBTU/HR HURST FIRETUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 ULTRA LOW-NOX BURNER

- Conditions 3 and 4, which ensure compliance with sections 5.1 and 5.5 of the rule, have been modified to include the rule section numbers in the citations.
- Conditions 7 through 9, 12 and 13 have been modified to include rule sections in the citations.
- Condition 14 has been modified to include the specified test methods for stack gas velocity and stack gas moisture content, and to include rule sections in the citation.



- Condition 16, which specifies source testing frequency, has been modified to include additional requirements for monitoring operational characteristics when on extended (36-month) source test interval, and for maintenance of records for required tune-ups and operational characteristics monitoring. The citation has been modified to include the rule section.
- Conditions 23, 26 and 27 have been modified to include rule sections in the citations.

**G. District Rule 4601 - Architectural Coatings**

The purpose of this rule is to limit VOC emissions from architectural coatings.

The provisions of this rule apply to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating for use within the District.

The SIP version of the rule was last amended on October 31, 2001. The current version of the rule was amended on December 17, 2009 but has not yet been approved into the SIP.

The following analysis shows that the proposed requirements of the current non-SIP version of District Rule 4601 are as stringent as, or more stringent than the requirements of the existing SIP version. Streamlining procedures, as documented in the following steps are utilized to substitute the set of requirements in the current non-SIP version of the rule for the otherwise applicable requirements in the SIP version of the rule.

As analyzed, each amended section of the non-SIP version of the rule is at least as stringent as, or more stringent than the corresponding section of the SIP version of the rule. Therefore, it is concluded that, overall, the non-SIP version of the rule is more stringent than the SIP version of the rule.

**Stringency Comparison of District Rule 4601 Non-SIP Version (12/17/09) to Current SIP Version (10/31/01)**

<b>Requirement Category</b>	<b>SIP Version of Rule 4601 (10/31/01)</b>	<b>Non-SIP Version of Rule 4601 (12/17/09)</b>	<b>Conclusion</b>
2.0 Applicability	This rule is applicable to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures any architectural coating for use within the District.	This rule is applicable to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating for use within the District.	No change in the applicability, therefore, non-SIP version of rule is as stringent as SIP version.

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
4.0 Exemptions	<p>The provisions of this rule shall not apply to:</p> <p>4.1 Any architectural coating that is sold or manufactured for use outside of the District or for shipment to other manufacturers for reformulation or repackaging.</p> <p>4.2 Any architectural coating that is sold in a container with a volume of one liter (1.057 quarts) or less.</p> <p>4.3 Any aerosol coating product.</p>	<p>4.1 The provisions of this rule shall not apply to:</p> <p>4.1.1 Any architectural coating that is supplied, sold, offered for sale, or manufactured for use outside of the District or for shipment to other manufacturers for reformulation or repackaging.</p> <p>4.1.2 Any aerosol coating product.</p> <p>4.2 With the exception of Section 6.2, the provisions of this rule shall not apply to any architectural coating that is sold in a container with a volume of one liter (1.057 quarts) or less.</p>	<p>The only change is to require reporting requirements as discussed in Section 6.2 of the non-SIP approved version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>
5.0 Requirements	<p><b>Note: Section 5.0 requirements refer to Table of Standards, Table of Standards 1, and Table of Standards 2. These tables are included as Attachment D.</b></p>		
	<p>5.1 VOC Content Limits: Except as provided in Sections 5.2, 5.3, 5.8 and 8.0, no person shall:</p> <p>5.1.1 manufacture, blend, or repackage for sale within the District;</p> <p>5.1.2 supply, sell, or offer for sale within the district;</p> <p>5.1.3 Solicit for application or apply within the District any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards, after the specified effective date in the Table of Standards.</p>	<p>5.1 VOC Content Limits: Except as provided in Sections 5.2 and 5.3, no person shall: manufacture, blend, or repackage for use within the District; or supply, sell, or offer for sale within the District; or solicit for application or apply within the District any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards 1 or the Table of Standards 2, after the specified effective date in the Table of Standards 1 or the Table of Standards 2. Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.</p>	<p>Sections 5.8 and 8.0 of the SIP version are not included in the non-SIP version. As discussed in corresponding sections the non-SIP version is more stringent. The Table of Standards and Table of Standards 1 have the same VOC limits. Table of Standard 2 is more stringent as discussed below. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>
	<p>5.2 Most Restrictive VOC Limit: If anywhere on the container of any architectural coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a manufacturer or anyone acting on their behalf, 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 the Table of Standards, then the most restrictive VOC content limit shall apply. This provision does not apply to the following coating categories:</p> <p>5.2.1 Lacquer coatings (including lacquer sanding sealers)</p> <p>5.2.2 Metallic pigmented coatings</p> <p>5.2.3 Shellacs</p> <p>5.2.4 Fire-retardant coatings</p> <p>5.2.5 Pretreatment wash primers</p> <p>5.2.6 Industrial maintenance coatings</p> <p>5.2.7 Low-solids coatings</p> <p>5.2.8 Wood preservatives</p>	<p>5.2 Most Restrictive VOC Limit: If a coating meets the definition in Section 3.0 for one or more specialty coating categories listed in the Table of Standards 1 or the Table of Standards 2, then that coating is not required to meet the VOC limits for Flat, Nonflat, or Nonflat – High Gloss coatings, but is required to meet the VOC limit for the applicable specialty coating listed in the Table of Standards 1 or the Table of Standards 2.</p> <p>5.2.1 Effective until December 31, 2010, with the exception of the specialty coating categories specified in Section 5.2.3.1 through 5.2.3.15, if a coating is recommended for use in more than one of the specialty coating categories listed in the Table of Standards 1, the most restrictive (or lowest) VOC content limit shall apply.</p> <p>5.2.2 Effective on and after January 1, 2011, with the exception of the specialty coating categories</p>	<p>The VOC limit of the non-SIP version is at least as stringent as the SIP version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>5.2.9 High temperature coatings  5.2.10 Temperature-indicator safety coatings  5.2.11 Antenna coatings  5.2.12 Antifouling coatings  5.2.13 Flow coatings  5.2.14 Bituminous roof primers  5.2.15 Specialty primers, sealers and undercoaters</p>	<p>specified in Sections 5.2.3.2, 5.2.3.3, 5.2.3.5 through 5.2.3.9, and 5.2.3.14 through 5.2.3.18, if a coating is recommended for use in more than one of the specialty coating categories listed in the Table of Standards 2, the most restrictive (or lowest) VOC content limit shall apply.</p> <p>5.2.3 This requirement applies to: usage recommendations that appear anywhere on the coating container, anywhere on any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a manufacturer or anyone acting on their behalf.</p> <p>5.2.3.1 Lacquer coatings (including lacquer sanding sealers)  5.2.3.2 Metallic pigmented coatings  5.2.3.3 Shellacs  5.2.3.4 Fire-retardant coatings  5.2.3.5 Pretreatment wash primers  5.2.3.6 Industrial maintenance coatings  5.2.3.7 Low-solids coatings  5.2.3.8 Wood preservatives  5.2.3.9 High temperature coatings  5.2.3.10 Temperature-indicator safety coatings  5.2.3.11 Antenna coatings  5.2.3.12 Antifouling coatings  5.2.3.13 Flow coatings  5.2.3.14 Bituminous roof primers  5.2.3.15 Specialty primers, sealers and undercoaters  5.2.3.16 Aluminum roof coatings  5.2.3.17 Zinc-rich primers  5.2.3.18 Wood Coatings</p>	
	<p>5.3 Sell-Through of Coatings:  5.3.1 A coating manufactured prior to the January 1, 2003 or January 1, 2004 effective date specified for that coating in the Table of Standards may be sold, supplied, or offered for sale for up to three years after the specified effective date. In addition, a coating manufactured before the effective date specified for that coating in the Table of Standards may be applied at any time, both before and after the specified effective date, so long as the coating complied with the standards in</p>	<p>5.3 Sell-Through of Coatings:  A coating manufactured prior to the effective date specified for that coating in the Table of Standards 1 or the Table of Standards 2, and that complied with the standards in effect at the time the coating was manufactured, may be sold, supplied, or offered for sale for up to three years after the specified effective date. In addition, a coating manufactured before the effective date specified for that coating in the Table of Standards 1 or the Table of Standards 2 may be applied at any time, both before and after the specified effective date, so</p>	<p>The VOC limit of the non-SIP version is at least as stringent as the SIP version. Section 5.3.2 was removed it is no longer applicable in the SIP version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>effect at the time the coating was manufactured. This Section 5.3 does not apply to any coating that does not display the date or date-code required by Section 6.1.1.</p> <p>5.3.2 A coating included in an approved Averaging Program that does not comply with the specified limit in the Table of Standards may be sold, supplied, or offered for sale for up to three years after the end of the compliance period specified in the approved Averaging Program. In addition, such a coating may be applied at any time, both during and after the compliance period. This Section 5.3.2 does not apply to any coating that does not display on the container either the statement: "This product is subject to architectural coatings averaging provisions in California" or a substitute symbol specified by the Executive Officer of the California Air Resources Board (ARB). This Section 5.3.2 shall remain in effect until January 1, 2008.</p>	<p>long as the coating complied with the standards in effect at the time the coating was manufactured. This Section 5.3 does not apply to any coating that does not display the date or date-code required by Section 6.1.1.</p>	
	<p>5.4 Painting Practices: All architectural coating containers used to apply the contents therein to a surface directly from the container by pouring, siphoning, brushing, rolling, padding, ragging or other means, shall be closed when not in use. These architectural coating containers include, but are not limited to, drums, buckets, cans, pails, trays or other application containers. Containers of any VOC containing materials used for thinning and cleanup shall also be closed when not in use.</p>	<p>5.4 Painting Practices: All architectural coating containers used to apply the contents therein to a surface directly from the container by pouring, siphoning, brushing, rolling, padding, ragging or other means, shall be closed when not in use. These architectural coating containers include, but are not limited to, drums, buckets, cans, pails, trays or other application containers. Containers of any VOC-containing materials used for thinning and cleanup shall also be closed when not in use.</p>	<p>No change in the requirements, therefore, non-SIP version of rule is as stringent as SIP version.</p>
	<p>5.5 Thinning: No person who applies or solicits the application of any architectural coating shall apply a coating that is thinned to exceed the applicable VOC limit specified in the Table of Standards.</p>	<p>5.5 Thinning: No person who applies or solicits the application of any architectural coating shall apply a coating that is thinned to exceed the applicable VOC limit specified in the Table of Standards 1 or the Table of Standards 2.</p>	<p>The VOC limit of the non-SIP version is at least as stringent as the SIP version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>
	<p>5.6 Rust Preventative Coatings: Effective January 1, 2004, no person shall apply or solicit the application of any rust preventative coating for industrial use, unless such a rust preventative coating complies with the industrial maintenance coating VOC limit specified in the Table of Standards.</p>	<p>5.6 Rust Preventative Coatings: Effective through December 31, 2010, no person shall apply or solicit the application of any rust preventative coating for industrial use, unless such a rust preventative coating complies with the industrial maintenance coating VOC limit specified in the Table of Standards 1.</p>	<p>The VOC limit of the non-SIP version is at least as stringent as the SIP version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>
	<p>5.7 Coatings Not Listed in the Table of Standards: For any coating that does not meet any of the definitions for the</p>	<p>5.7 Coatings Not Listed in the Table of Standards 1 or the Table of Standards 2: For any coating that does not meet</p>	<p>The VOC limit of the non-SIP version is at least as stringent as the SIP</p>

Sensient Dehydrated Flavors Company

N-1657

N-1062643

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>specialty coatings categories listed in the Table of Standards, the VOC content limit shall be determined by classifying the coating as a flat coating or a nonflat coating, based on its gloss, as defined in Sections 3.21, 3.36 and 3.37 and the corresponding flat or nonflat VOC limit shall apply.</p>	<p>any of the definitions for the specialty coatings categories listed in the Table of Standards 1 or the Table of Standards 2, the VOC content limit shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat – High Gloss coating, based on its gloss, and the corresponding Flat, Nonflat, or Nonflat – High Gloss VOC limit in the Table of Standards 1 or the Table of Standards 2 shall apply.</p>	<p>version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>
	<p>5.8 Lacquers: Notwithstanding the provisions of Section 3.1, a person or facility may add up to 10 percent by volume of VOC to a lacquer to avoid blushing of the finish during days with relative humidity greater than 70 percent and temperature below 65°F, at the time of application, provided that the coating contains acetone and no more than 550 grams of VOC per liter of coating, less water and exempt compounds, prior to the addition of VOC.</p>	<p>---</p>	<p>This section has been removed. The operation is required to meet the lacquer VOC limit regardless of temperature and humidity. Therefore, non-SIP version of rule is as stringent as SIP version</p>
	<p>5.9 Averaging Compliance Option: On or after January 1, 2003, in lieu of compliance with the specified limits in The Table of Standards for floor coatings; industrial maintenance coatings; primers, sealers, and undercoaters; quick-dry primers, sealers, and undercoaters; quick-dry enamels; roof coatings; bituminous roof coatings; rust preventative coatings; stains; waterproofing sealers, as well as flats and non-flats (excluding recycled coatings), manufacturers may average designated coatings such that their actual cumulative emissions from the averaged coatings are less than or equal to the cumulative emissions that would have been allowed under those limits over a compliance period not to exceed one year. Such manufacturers must also comply with the averaging provisions contained in Section 8.0, as well as maintain and make available for inspection records for at least three years after the end of the compliance period. This Section 5.9 and Section 8.0 shall cease to be effective on January 1, 2005, after which averaging will no longer be allowed.</p>	<p>---</p>	<p>This section is removed from the non-SIP version, it is no longer applicable. Therefore, non-SIP version of rule is as stringent as SIP version.</p>
<p>---</p>		<p>5.8 Prior to January 1, 2011, any coating that meets a definition in Section 3.0 for a coating category listed in the Table of Standards 2 and complies with the applicable VOC limit in the Table of Standards 2 and with Sections 5.2 and 6.1 (including those provision of Section 6.1 otherwise</p>	<p>Table of Standards 2 is more stringent than the VOC limits of Table of Standards in the SIP-Approved version. Therefore, non-SIP version of rule is as stringent as SIP version.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>Table of Standards (See Attachment D for Table)</p>	<p>effective on January 1, 2011) shall be considered in compliance with this rule.</p> <p>Table of Standards 1 (Effective through 12/31/10) (See Attachment D for Table)</p> <p>Table of Standards 2 (Effective on and after 1/1/11) (See Attachment D for Table)</p>	<p>The non-SIP rule requirements are the same as the Table of Standards in the SIP approved rule, except Table of Standards 1 expires at which time Table of Standards 2 is in effect. As discussed below these standards are more stringent. Therefore, non-SIP version of rule is as stringent as SIP version.</p> <p>The requirements of Table of Standards 2 are more stringent than the Table of Standards in the SIP rule. Therefore, non-SIP version of rule is as stringent as SIP version.</p>
<p><b>6.0 Administrative Requirements</b></p>	<p>6.1 Labeling Requirements: Each manufacturer of any architectural coating subject to this rule shall display the information listed in Sections 6.1.1 through 6.1.9 on the coating container (or label) in which the coating is sold or distributed.</p> <p>6.1.1 Date Code: The date the coating was manufactured, or a date code representing the date, shall be indicated on the label, lid or bottom of the container. If the manufacturer uses a date code for any coating, the manufacturer shall file an explanation of each code with the Executive Officer of the ARB.</p> <p>6.1.2 Thinning Recommendations: A statement of the manufacturer's recommendation regarding thinning of the coating shall be indicated on the label or lid of the container. This requirement does not apply to the thinning of architectural coatings with water. If thinning of the coating prior to use is not necessary, the recommendation must specify that the coating is to be applied without thinning.</p> <p>6.1.3 VOC Content: Each container of any coating subject to this rule shall display either the maximum or actual VOC content of the coating, as supplied, including the maximum thinning as recommended by the manufacturer. VOC content shall be displayed in grams of VOC per liter of coating. VOC content displayed</p>	<p>6.1 Labeling Requirements: Each manufacturer of any architectural coating subject to this rule shall display the information listed in Sections 6.1.1 through 6.1.14 on the coating container (or label) in which the coating is sold or distributed.</p> <p>6.1.1 Date Code: The date the coating was manufactured, or a date code representing the date, shall be indicated on the label, lid or bottom of the container. If the manufacturer uses a date code for any coating, the manufacturer shall file an explanation of each code with the Executive Officer of the ARB.</p> <p>6.1.2 Thinning Recommendations: A statement of the manufacturer's recommendation regarding thinning of the coating shall be indicated on the label or lid of the container. This requirement does not apply to the thinning of architectural coatings with water. If thinning of the coating prior to use is not necessary, the recommendation must specify that the coating is to be applied without thinning.</p> <p>6.1.3 VOC Content: Each container of any coating subject to this rule shall display one of the following values, in grams of VOC per liter of coating:</p> <p>6.1.3.1 Maximum VOC Content, as determined from all potential product formulations; or</p> <p>6.1.3.2 VOC Content, as determined from actual</p>	<p>The non-SIP approved rule contains sections listed in the SIP rule plus additional requirements not found in the SIP version. Therefore, non-SIP version of rule is as stringent as SIP version.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>shall be calculated using product formulation data, or shall be determined using the test methods in Section</p> <p>6.3.1. The equations in Sections 3.25 or 3.26, as appropriate, shall be used to calculate VOC content.</p> <p>6.1.4 Industrial Maintenance Coatings: In addition to the information specified in Sections 6.1.1, 6.1.2 and 6.1.3, each manufacturer of any industrial maintenance coating subject to this rule shall display on the label or lid of the container in which the coating is sold or distributed one or more of the following descriptions listed in Section 6.1.4.1 through 6.1.4.3.</p> <p>6.1.4.1 "For industrial use only"</p> <p>6.1.4.2 "For professional use only"</p> <p>6.1.4.3 "Not for residential use" or "Not intended for residential use"</p> <p>6.1.5 Clear Brushing Lacquers: Effective January 1, 2003, the labels of all clear brushing lacquers shall prominently display the statements "For brush application only," and "This product must not be thinned or sprayed."</p> <p>6.1.6 Rust Preventative Coatings: Effective January 1, 2003, the labels of all rust preventative coatings shall prominently display the statement "For Metal Substrates Only"</p> <p>6.1.7 Specialty Primers, Sealers and Undercoaters: Effective January 1, 2003, the labels of all specialty primers, sealers and undercoaters shall prominently display one or more of the descriptions listed in Section</p> <p>6.1.7.1 through 6.1.7.5.</p> <p>6.1.7.1 For blocking stains.</p> <p>6.1.7.2 For fire-damaged substrates.</p> <p>6.1.7.3 For smoke-damaged substrates.</p> <p>6.1.7.4 For water-damaged substrates.</p> <p>6.1.7.5 For excessively chalky substrates.</p> <p>6.1.8 Quick Dry Enamels: Effective January 1, 2003, the labels of all quick dry enamels shall prominently display the words "Quick Dry" and the dry hard time.</p> <p>6.1.9 Non-flat – High Gloss Coatings: Effective January 1, 2003, the labels of all non-flat – high gloss coatings shall prominently display the words "High Gloss".</p>	<p>formulation data; or</p> <p>6.1.3.3 VOC Content, as determined using the test methods in Section 6.3.2.</p> <p>If the manufacturer does not recommend thinning, the container must display the VOC Content, as supplied. If the manufacturer recommends thinning, the container must display the VOC Content, including the maximum amount of thinning solvent recommended by the manufacturer. If the coating is a multicomponent product, the container must display the VOC content as mixed or catalyzed. If the coating contains silanes, siloxanes, or other ingredients that generate ethanol or other VOCs during the curing process, the VOC content must include the VOCs emitted during curing.</p> <p>6.1.4 Faux Finishing Coatings: Effective January 1, 2011, the labels of all clear topcoat Faux Finishing coatings shall prominently display the statement "This product can only be sold or used as part of a Faux Finishing coating system".</p> <p>6.1.5 Industrial Maintenance Coatings: Each manufacturer of any industrial maintenance coating subject to this rule shall display on the label or lid of the container in which the coating is sold or distributed one or more of the following descriptions listed in Section 6.1.5.1 through 6.1.5.3.</p> <p>6.1.5.1 "For industrial use only"</p> <p>6.1.5.2 "For professional use only"</p> <p>6.1.5.3 "Not for residential use" or "Not intended for residential use"</p> <p>6.1.6 Clear Brushing Lacquers: The labels of all clear brushing lacquers shall prominently display the statements "For brush application only," and "This product must not be thinned or sprayed." (Category deleted effective January 1, 2011.)</p> <p>6.1.7 Rust Preventative Coatings: The labels of all rust preventative coatings shall prominently display the statement "For Metal Substrates Only".</p> <p>6.1.8 Specialty Primers, Sealers and Undercoaters: Effective until December 31, 2010, the labels of all specialty primers, sealers and undercoaters shall prominently display one or more of the descriptions listed in Section 6.1.8.1 through 6.1.8.5. Effective on and</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>after January 1, 2011, the labels of all specialty primers, sealers, and undercoaters shall prominently display one or more of the descriptions listed in Sections 6.1.8.1 through 6.1.8.3. On and after January 1, 2011, Sections 6.1.8.4 and 6.1.8.5 will be no longer effective.</p> <p>6.1.8.1 For fire-damaged substrates.</p> <p>6.1.8.2 For smoke-damaged substrates.</p> <p>6.1.8.3 For water-damaged substrates.</p> <p>6.1.8.4 For excessively chalky substrates.</p> <p>6.1.8.5 For blocking stains.</p> <p>6.1.9 Quick Dry Enamels: The labels of all quick dry enamels shall prominently display the words "Quick Dry" and the dry hard time. (Category deleted effective January 1, 2011.)</p> <p>6.1.10 Reactive Penetrating Sealers: Effective January 1, 2011, the labels of all Reactive Penetrating Sealers shall prominently display the statement "Reactive Penetrating Sealer."</p> <p>6.1.11 Stone Consolidants: Effective January 1, 2011, the labels of all Stone Consolidants shall prominently display the statement "Stone Consolidant - For Professional Use Only."</p> <p>6.1.12 Nonflat- High Gloss Coatings: The labels of all Nonflat - high gloss coatings shall prominently display the words "High Gloss."</p> <p>6.1.13 Wood Coatings: Effective January 1, 2011, the labels of all Wood Coatings shall prominently display the statement "For Wood Substrates Only."</p> <p>6.1.14 Zinc Rich Primers: Effective January 1, 2011, the labels of all Zinc Rich Primers shall prominently display one or more of the following descriptions listed in Section 6.1.14.1 through 6.1.14.3.</p> <p>6.1.14.1 "For industrial use only"</p> <p>6.1.14.2 "For professional use only"</p> <p>6.1.14.3 "Not for residential use" or "Not intended for residential use"</p>	
	<p>6.2 Reporting Requirements</p> <p>6.2.1 Clear Brushing Lacquers: Each manufacturer of clear brushing lacquers shall, on or before April 1 of each calendar year beginning in</p>	<p>6.2 Reporting Requirements</p> <p>The reporting requirements specified in Sections 6.2.1 through 6.2.6 shall apply until December 31, 2010.</p>	<p>Until December 31, 2010 both versions of the rule have the same reporting requirements. After that date the non-SIP</p>



Sensient Dehydrated Flavors Company

N-1657

N-1062643

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of clear brushing lacquers sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.2 Rust Preventative Coatings: Each manufacturer of rust preventative coatings shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of rust preventative coatings sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.3 Specialty Primers, Sealers and Undercoaters: Each manufacturer of specialty primers, sealers and undercoaters shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of specialty primers, sealers and undercoaters sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.4 Toxic Exempt Compounds: For each architectural coating that contains perchloroethylene or methylene chloride, the manufacturer shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB the following information for products sold in the State during the preceding year:</p> <p>6.2.4.1 the product brand name and a copy of the product label with legible usage instructions;</p> <p>6.2.4.2 the product category listed in the Table of Standards to which the coating belongs;</p> <p>6.2.4.3 the total sales in California during the calendar year to the nearest gallon;</p> <p>6.2.4.4 the volume percent, to the nearest 0.10 percent, of perchloroethylene and methylene chloride in the coating.</p>	<p>6.2.1 Clear Brushing Lacquers: Each manufacturer of clear brushing lacquers shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of clear brushing lacquers sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.2 Rust Preventative Coatings: Each manufacturer of rust preventative coatings shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of rust preventative coatings sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.3 Specialty Primers, Sealers and Undercoaters: Each manufacturer of specialty primers, sealers and undercoaters shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of specialty primers, sealers and undercoaters sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.4 Toxic Exempt Compounds: For each architectural coating that contains perchloroethylene or methylene chloride, the manufacturer shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB the following information for products sold in the State during the preceding year:</p> <p>6.2.4.1 the product brand name and a copy of the product label with legible usage instructions;</p> <p>6.2.4.2 the product category listed in the Table of Standards 1 or the Table of Standards 2 to which the coating belongs;</p> <p>6.2.4.3 the total sales in California during the</p>	<p>approved rule includes very specific information to be kept and is required for all architectural coatings. Therefore, non-SIP version of rule is as stringent as SIP version.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>6.2.5 Recycled Coatings: Manufacturers of recycled coatings must submit a letter to the Executive Officer of the ARB certifying their status as a Recycled Paint Manufacturer. The manufacturer shall, on or before April 1 of each calendar year beginning with the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall include, for all recycled coatings, the total number of gallons distributed in the State during the preceding year, and shall describe the method used by the manufacturer to calculate State distribution.</p> <p>6.2.6 Bituminous Coatings: Each manufacturer of bituminous roof coatings or bituminous roof primers shall, on or before April 1 of each calendar year beginning with the year 2004, submit an annual report to the Executive Officer of ARB. The report shall specify the number of gallons of bituminous roof coatings or bituminous roof primers sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p>	<p>calendar year to the nearest gallon;</p> <p>6.2.4.4 the volume percent, to the nearest 0.10 percent, of perchloroethylene and methylene chloride in the coating.</p> <p>6.2.5 Recycled Coatings: Manufacturers of recycled coatings must submit a letter to the Executive Officer of the ARB certifying their status as a Recycled Paint Manufacturer. The manufacturer shall, on or before April 1 of each calendar year beginning with the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall include, for all recycled coatings, the total number of gallons distributed in the State during the preceding year, and shall describe the method used by the manufacturer to calculate State distribution.</p> <p>6.2.6 Bituminous Coatings: Each manufacturer of bituminous roof coatings or bituminous roof primers shall, on or before April 1 of each calendar year beginning with the year 2004, submit an annual report to the Executive Officer of ARB. The report shall specify the number of gallons of bituminous roof coatings or bituminous roof primers sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate state sales.</p> <p>6.2.7 Effective on and after January 1, 2011, Sales Data: All sales data listed in Sections 6.2.7.1 to 6.2.7.14 shall be maintained on-site by the responsible official for a minimum of three years. A responsible official from each manufacturer shall upon request of the Executive Officer of the ARB, or his or her delegate, provide data concerning the distribution and sales of architectural coatings. Sales data submitted by the responsible official to the Executive Officer of the ARB may be claimed as confidential, and such information shall be handled in accordance with the procedures specified in Title 17, California Code of Regulations Sections 91000-91022. The responsible official shall within 180 days provide information, including, but not limited to the data listed in Sections 6.2.7.1 through 6.2.7.14:</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>6.2.7.1 the name and mailing address of the manufacturer;</p> <p>6.2.7.2 the name, address and telephone number of a contact person;</p> <p>6.2.7.3 the name of the coating product as it appears on the label and the applicable coating category;</p> <p>6.2.7.4 whether the product is marketed for interior or exterior use or both;</p> <p>6.2.7.5 the number of gallons sold in California in containers greater than one liter (1.057 quart) and equal to or less than one liter (1.057 quart);</p> <p>6.2.7.6 the VOC Actual content and VOC Regulatory content in grams per liter. If thinning is recommended, list the VOC Actual content and VOC Regulatory content after maximum recommended thinning. If containers less than one liter have a different VOC content than containers greater than one liter, list separately. If the coating is a multi-component product, provide the VOC content as mixed or catalyzed;</p> <p>6.2.7.7 the names and CAS numbers of the VOC constituents in the product;</p> <p>6.2.7.8 the names and CAS numbers of any compounds in the product specifically exempted from the VOC definition;</p> <p>6.2.7.9 whether the product is marketed as solvent-borne, waterborne, or 100% solids;</p> <p>6.2.7.10 description of resin or binder in the product;</p> <p>6.2.7.11 whether the coating is a single-component or multi-component product;</p> <p>6.2.7.12 the density of the product in pounds per gallon;</p> <p>6.2.7.13 the percent by weight of: solids, all volatile materials, water, and any compounds in the product specifically exempted from the VOC definition; and</p> <p>6.2.7.14 the percent by volume of: solids, water, and any compounds in the product specifically exempted from</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>6.3 Test Methods</p> <p>6.3.1 VOC Content of Coatings: To determine the physical properties of a coating in order to perform the calculations in Section 3.26 and 3.27, the reference method for VOC content is U.S. EPA Method 24, except as provided in Sections 6.3.2 and 6.3.15. An alternative method to determine the VOC content of coatings is SCAQMD Method 304-91 (Revised February 1996), incorporated by reference in Section 6.3.14. The exempt compounds content shall be determined by SCAQMD Method 303-91 (Revised August 1996), incorporated by reference in Section 6.3.12. To determine the VOC content of a coating, the manufacturer may use U.S. EPA Method 24, or an alternative method as provided in Section 6.3.2, formulation data, or any other reasonable means for predicting that the coating has been formulated as intended (e.g., quality assurance checks, recordkeeping). However, if there are any inconsistencies between the results of a Method 24 test and any other means for determining VOC content, the Method 24 test results will govern, except when an alternative method is approved as specified in Section 6.3.2. The District Air Pollution Control Officer (APCO) may require the manufacturer to conduct a Method 24 analysis.</p> <p>6.3.2 Alternative Test Methods: Other test methods demonstrated to provide results that are acceptable for purposes of determining compliance with Section 6.3.1, after review and approved in writing by the staffs of the District, the ARB and the U.S. EPA, may also be used.</p> <p>6.3.3 Methacrylate Traffic Marking Coatings: Analysis of methacrylate multicomponent coatings used as traffic marking coatings shall be conducted according to a modification of U.S. EPA Method 24 (40 CFR 59, subpart D, Appendix A), incorporated by reference in Section 6.3.15. This method has not been approved for</p>	<p>the VOC definition.</p> <p>6.3 Test Methods</p> <p>The test methods listed below shall be used to demonstrate compliance with this rule. Alternate equivalent test methods may be used provided the test methods have been approved by the APCO and EPA.</p> <p>6.3.1 Calculation of VOC Content: For the purpose of determining compliance with the VOC content limits in the Table of Standards 1 or the Table of Standards 2, the VOC content of a coating shall be determined as defined in Section 3.77, 3.78, or 3.79 as appropriate. The VOC content of a tint base shall be determined without colorant that is added after the tint base is manufactured. If the manufacturer does not recommend thinning, the VOC Content must be calculated for the product as supplied. If the manufacturer recommends thinning, the VOC Content must be calculated including the maximum amount of thinning solvent recommended by the manufacturer. If the coating is a multi-component product, the VOC content must be calculated as mixed or catalyzed. If the coating contains silanes, siloxanes, or other ingredients that generate ethanol or other VOC during the curing process, the VOC content must include the VOCs emitted during curing.</p> <p>6.3.2 VOC Content of Coatings: To determine the physical properties of a coating in order to perform the calculations in Section 3.77 and 3.79, the reference method for VOC content is EPA Method 24, except as provided in Sections 6.3.3 and 6.3.16. An alternative method to determine the VOC content of coatings is SCAQMD Method 304-91 (Revised February 1996). The exempt compounds content shall be determined by SCAQMD Method 303-91 (Revised 1993), BAAQMD Method 43 (Revised 1996), or BAAQMD Method 41 (Revised 1995), as applicable. To determine the VOC content of a coating, the manufacturer may use EPA Method 24, or an alternative method as provided in Section 6.3.3, formulation data, or any other reasonable means for predicting that the coating has been</p>	<p>The non-SIP version includes all the requirements of the SIP version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>methacrylate multicomponent coatings used for other purposes than as traffic marking coatings or for other classes of multicomponent coatings.</p> <p>6.3.4 Flame Spread Index: The flame spread index of a fire-retardant coating shall be determined by ASTM Designation E 84-99, "Standard Test Method for Surface Burning Characteristics of Building Materials"(see Section 3, Fire-Retardant Coating).</p> <p>6.3.5 Fire Resistance Rating: The fire resistance rating of a fire-resistive coating shall be determined by ASTM Designation E 119-98, "Standard Test Methods for Fire Tests of Building Construction Materials"(see Section 3, Fire-Resistive Coating).</p> <p>6.3.6 Gloss Determination: The gloss of a coating shall be determined by ASTM Designation D 523-89 (1999), "Standard Test Method for Specular Gloss"(see Section 3, Flat Coating, Nonflat Coating, Nonflat-High Gloss Coating and Quick-Dry Enamel).</p> <p>6.3.7 Metal Content of Coatings: The metallic content of a coating shall be determined by SCAQMD Method 318-95, Determination of Weight Percent Elemental Metal in Coatings by X-Ray Diffraction, <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 3, Metallic Pigmented Coating).</p> <p>6.3.8 Acid Content of Coatings: The acid content of a coating shall be determined by ASTM Designation D 1613-96, "Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer and related products"(see Section 3, Pre-Treatment Wash Primer).</p> <p>6.3.9 Drying Times: The set-to-touch, dry-hard, dry-to-touch and dry-to-recoat times of a coating shall be determined by ASTM Designation D 1640-95, "Standard Test Methods for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature" (see Section 3, Quick-Dry Enamel and Quick-Dry Primer, Sealer and Undercoater) The tack-free time of a quickdry enamel coating shall be determined by the Mechanical Test Method of ASTM</p>	<p>formulated as intended (e.g., quality assurance checks, recordkeeping). However, if there are any inconsistencies between the results of EPA Method 24 test and any other means for determining VOC content, the EPA Method 24 test results will govern, except when an alternative method is approved as specified in Section 6.3.3. The District Air Pollution Control Officer (APCO) may require the manufacturer to conduct an EPA Method 24 analysis.</p> <p>6.3.3 Alternative Test Methods: Other test methods demonstrated to provide results that are acceptable for purposes of determining compliance with Section 6.3.2 4, after review and approved in writing by the staffs of the District, ARB and EPA, may also be used.</p> <p>6.3.4 Methacrylate Traffic Marking Coatings: Analysis of methacrylate multicomponent coatings used as traffic marking coatings shall be conducted according to a modification of EPA Method 24 (40 CFR 59, subpart D, Appendix A). This method has not been approved for methacrylate multicomponent coatings used for other purposes than as traffic marking coatings or for other classes of multicomponent coatings.</p> <p>6.3.5 Flame Spread Index: The flame spread index of a fire-retardant coating shall be determined by ASTM E84-07, "Standard Test Method for Surface Burning Characteristics of Building Materials" (see Section 3.0, Fire-Retardant Coating).</p> <p>6.3.6 Fire Resistance Rating: The fire resistance rating of a fire-resistive coating shall be determined by ASTM E119-07, "Standard Test Methods for Fire Tests of Building Construction Materials" (see Section 3.0, Fire-Resistive Coating).</p> <p>6.3.7 Gloss Determination: The gloss of a coating shall be determined by ASTM D523-89 (1999), "Standard Test Method for Specular Gloss" (see Section 3.0, Flat Coating, Nonflat Coating, Nonflat-High Gloss Coating and Quick-Dry Enamel).</p> <p>6.3.8 Metal Content of Coatings: The metallic content of a coating shall be determined by SCAQMD Method 318-95, Determination of Weight Percent Elemental Metal in Coatings by X-Ray Diffraction,</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>Designation D 1640-95.</p> <p>6.3.10 Surface Chalkiness: The chalkiness of a surface shall be determined using ASTM Designation D4214-98, "Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films"(see Section 3, Specialty Primer, Sealer and Undercoater).</p> <p>6.3.11 Exempt Compounds—  Siloxanes: Exempt compounds that are cyclic, branched, or linear completely methylated siloxanes, shall be analyzed as exempt compounds for compliance with Section 6 by BAAQMD Method 43, "Determination of Volatile Methylsiloxanes in Solvent-Based Coatings, Inks, and Related Materials," <i>BAAQMD Manual of Procedures</i>, Volume III, adopted 11/6/96 (see Section 3, Volatile Organic Compound, and Section 6.3.1).</p> <p>6.3.12 Exempt Compounds—  Parachlorobenzotrifluoride (PCBTF): The exempt compound parachlorobenzotrifluoride, shall be analyzed as an exempt compound for compliance with Section 6 by BAAQMD Method 41, "Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride," <i>BAAQMD Manual of Procedures</i>, Volume III, adopted 12/20/95 (see Section 3, Volatile Organic Compound, and Section 6.3.1).</p> <p>6.3.13 Exempt Compounds: The content of compounds under U.S. EPA Method 24 shall be analyzed by SCAQMD Method 303-91 (Revised 1996), "Determination of Exempt Compounds," <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 3, Volatile Organic Compound, and Section 6.3.1).</p> <p>6.3.14 VOC Content of Coatings: The VOC content of a coating shall be determined by U.S. EPA Method 24 as it exists in appendix A of 40 <i>Code of Federal Regulations</i> (CFR) part 60, "Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings"(see Section 6.3.1).</p> <p>6.3.15 Alternative VOC Content of Coatings: The VOC content of</p>	<p><i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 3.0, Metallic Pigmented Coating, Aluminum Roof Coating and Faux Finish.</p> <p>6.3.9 Acid Content of Coatings: The acid content of a coating shall be determined by ASTM D1613-06, "Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer and related products" (see Section 3.0, Pre-Treatment Wash Primer).</p> <p>6.3.10 Drying Times: The set-to-touch, dry-hard, dry-to-touch and dry-to-recoat times of a coating shall be determined by ASTM D1640-95, "Standard Test Methods for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature" (see Section 3.0, Quick-Dry Enamel and Quick-Dry Primer, Sealer and Undercoater) The tack-free time of a quick-dry enamel coating shall be determined by the Mechanical Test Method of ASTM D1640-95. (Category deleted effective January 1, 2011.)</p> <p>6.3.11 Surface Chalkiness: The chalkiness of a surface shall be determined using ASTM D4214-98, "Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films"(see Section 3, Specialty Primer, Sealer and Undercoater). (Category deleted effective January 1, 2011.)</p> <p>6.3.12 Exempt Compounds—Siloxanes: Exempt compounds that are cyclic, branched, or linear completely methylated siloxanes, shall be analyzed as exempt compounds for compliance with Section 6 by BAAQMD Method 43, "Determination of Volatile Methylsiloxanes in Solvent-Based Coatings, Inks, and Related Materials," <i>BAAQMD Manual of Procedures</i>, Volume III, adopted 11/6/96 (see Section 3.0, Volatile Organic Compound, and Section 6.3.2).</p> <p>6.3.13 Exempt Compounds—  Parachlorobenzotrifluoride (PCBTF): The exempt compound parachlorobenzotrifluoride, shall be analyzed as an exempt compound for compliance with Section 6 by BAAQMD Method 41, "Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>coatings may be analyzed either by U.S. EPA Method 24 or SCAQMD Method 304-91 (Revised 1996), "Determination of Volatile Organic Compounds (VOC) in Various Materials," <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 6.3.1).</p> <p>6.3.16 Methacrylate Traffic Marking Coatings: The VOC content of methacrylate multicomponent coatings used as traffic marking coatings shall be analyzed by the procedures in 40 CFR part 59, subpart D, appendix A, "Determination of Volatile Matter Content of Methacrylate Multicomponent Coatings Used as Traffic Marking Coatings" (September 11, 1998) (see Section 6.3.3).</p>	<p>Containing Parachlorobenzotrifluoride," <i>BAAQMD Manual of Procedures</i>, Volume III, adopted 12/20/95 (see Section 3.0, Volatile Organic Compound, and Section 6.3.2).</p> <p>6.3.14 Exempt Compounds: The content of compounds under U.S. EPA Method 24 shall be analyzed by SCAQMD Method 303-91 (Revised 1993), "Determination of Exempt Compounds," <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 3.0, Volatile Organic Compound, and Section 6.3.2).</p> <p>6.3.15 VOC Content of Coatings: The VOC content of a coating shall be determined by EPA Method 24 as it exists in appendix A of 40 <i>Code of Federal Regulations</i> (CFR) part 60, "Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings" (see Section 6.3.2).</p> <p>6.3.16 Alternative VOC Content of Coatings: The VOC content of coatings may be analyzed either by U.S. EPA Method 24 or SCAQMD Method 304-91 (Revised 1996), "Determination of Volatile Organic Compounds (VOC) in Various Materials," <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i>.</p> <p>6.3.17 Methacrylate Traffic Marking Coatings: The VOC content of methacrylate multicomponent coatings used as traffic marking coatings shall be analyzed by the procedures in 40 CFR part 59, subpart D, appendix A, "Determination of Volatile Matter Content of Methacrylate Multicomponent Coatings Used as Traffic Marking Coatings" (September 11, 1998).</p> <p>6.3.18 Hydrostatic Pressure for Basement Specialty Coatings: The hydrostatic pressure resistance for basement specialty coatings shall be analyzed using ASTM D7088-04, "Standard Practice for Resistance to Hydrostatic Pressure for Coatings Used in Below Grade Applications Applied to Masonry".</p> <p>6.3.19 Tub and Tile Refinish Coating Adhesion: The adhesion of tub and tile coating shall be determined by ASTM D4585-99, "Standard Practice for Testing Water Resistance of Coatings Using</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>Controlled Condensation" and ASTM D3359-02, "Standard Test Methods for Measuring Adhesion by Tape Test".</p> <p>6.3.20 Tub and Tile Refinish Coating Hardness: The hardness of tub and tile refinish coating shall be determined by ASTM D3363-05, "Standard Test Method for Film Hardness by Pencil Test".</p> <p>6.3.21 Tub and Tile Refinish Coating Abrasion Resistance: Abrasion resistance of tub and tile refinish coating shall be analyzed by ASTM D4060-07, "Standard Test Methods for Abrasion Resistance of Organic Coatings by the Taber Abraser".</p> <p>6.3.22 Tub and Tile Refinish Coating Water Resistance: Water resistance of tub and tile refinish coatings shall be determined by ASTM D4585-99, "Standard Practice for Testing Water Resistance of Coatings Using Controlled Condensation" and ASTM D714-02e1, "Standard Test Method for Evaluating Degree of Blistering of Paints".</p> <p>6.3.23 Waterproofing Membrane: Waterproofing membrane shall be tested by ASTM C836-06, "Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course".</p> <p>6.3.24 Mold and Mildew Growth for Basement Specialty Coatings: Mold and mildew growth resistance for basement specialty coatings shall be determined by ASTM D3273-00, "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber" and ASTM D3274-95, "Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation".</p> <p>6.3.25 Reactive Penetrating Sealer Water Repellency: Reactive penetrating sealer water repellency shall be analyzed by ASTM C67-07, "Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile"; or ASTM C97-02, "Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone"; or ASTM C140-06, "Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units".</p>	



Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>6.3.26 Reactive Penetrating Sealer Water Vapor Transmission: Reactive penetrating sealer water vapor transmission shall be analyzed ASTM E96/E96M-05, "Standard Test Method for Water Vapor Transmission of Materials".</p> <p>6.3.27 Reactive Penetrating Sealer - Chloride Screening Applications: Reactive penetrating sealers shall be analyzed by National Cooperative Highway Research Report 244 (1981), "Concrete Sealers for the Protection of Bridge Structures".</p> <p>6.3.28 Stone Consolidants: Stone consolidants shall be tested using ASTM E2167-01, "Standard Guide for Selection and Use of Stone Consolidants".</p>	
7.0 Compliance Schedule	Persons subject to this rule shall be in compliance with this rule by October 31, 2001.	Persons subject to this rule shall be in compliance with this rule by the dates specified within the rule.	No change in the requirements, therefore, non-SIP version of rule is as stringent as SIP version.
8.0 Averaging Compliance Option	<p>8.1 On or after January 1, 2003, in lieu of compliance with the specified limits in the Table of Standards for floor coatings; industrial maintenance coatings; primers, sealers, and undercoaters; quick-dry primers, sealers, and undercoaters; quick-dry enamels; roof coatings; rust preventative coatings; stains; waterproofing sealers, as well as flats and non-flats (excluding recycled coatings), manufacturers may average designated coatings such that their actual cumulative emissions from the averaged coatings are less than or equal to the cumulative emissions that would have been allowed under those limits over a compliance period not to exceed one year. Such manufacturers must also comply with the averaging provisions contained in this Section, as well as maintain and make available for inspection records for at least three years after the end of the compliance period. This Section shall cease to be effective on January 1, 2005, after which averaging will no longer be allowed.</p> <p>Per Section 8.1, averaging is no longer applicable. Therefore, Sections 8.2 through 8.14 are not listed.</p>		No change in the requirements, therefore, non-SIP version of rule is as stringent as SIP version.

N-1657-0-2 – Facilitywide Requirements

- Conditions 23 through 25 on the proposed permit to operate ensure compliance with the requirements of this rule.

**H. District Rule 4612 - Motor Vehicle and Mobile Equipment Coating Operations – Phase 2**

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.

The rule was adopted on September 21, 2006 as a Phase 2 replacement to District Rule 4602. It was approved into the SIP on January 19, 2010.

Section 5.1 of the rule specifies VOC limits for various categories of motor vehicle coatings, including: 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).

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.

Section 5.5 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.

Section 5.8 specifies that, 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), no person shall 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. This section also requires that if a spray gun is used, the end user must demonstrate that the gun meets the HVLP definition in section 3.21 or the rule, in design and use, 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.

Section 5.9 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.).

Section 5.10 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.

Section 6.3 requires that 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.

Section 6.4 requires that any person who uses coatings subject to this rule shall maintain and have available at all times, on site, the following: a current list of all coatings used that are subject to this rule, including, for each coating, the material name and manufacturer, application method, coating type (as listed in Section 5.1), mix ratio specific to the coating, VOC Actual and VOC Regulatory, as applied, calculated pursuant to Section 3.43; 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 state mix ratio) and automotive coating components; purchase records identifying the coating type (as listed in Section 5.1), name, and volume of coatings.

Section 6.5 requires that an operator using solvents for cleaning shall keep the following records: a copy of the manufacturer's product data sheet or material safety data sheet of the solvents used; a current list of solvents that are being used for organic solvent cleaning activities, including the following information: name of the solvent and its manufacturer's name; VOC content

of the solvent expressed in grams/liter or lb/gallon; when the solvent is a mixture of different materials that are blended by the person, 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; the quantity of solvent used for solvent cleaning activities.

The following permit conditions, which are based on the requirements of this rule, have been modified as follows:

N-1657-30-2 – MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION (GROUP II VEHICLES) WITH HVLP SPRAY EQUIPMENT AND AN ENCLOSED GUN CLEANING SYSTEM

- Conditions 4 through 15, 20, 21 and 23, which are based on the phased-out Rule 4602, have been removed from the proposed modified permit.
- New conditions 8 through 17 have been added to the proposed modified permit to ensure compliance with the requirements of District Rule 4612.

**I. District Rule 4701 – Internal Combustion Engines – Phase 1**

The purpose of District Rule 4701 is to limit the emissions of Nitrogen oxides (NOx), Carbon Monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. The rule is applicable to any internal combustion engine rated greater than 50 bhp that requires a Permit to Operate (PTO).

The most recent version of the rule (amended August 21, 2003) was approved into the SIP on May 18, 2004.

Section 4.2 states that, except for the administrative requirements of sections 6.1, 6.2.2, and 6.2.3, the provisions of this rule shall not apply to engines used exclusively for fire fighting services.

Section 6.2.2 requires that an engine owner claiming an exemption under sections 4.2 shall maintain annual operating records including, but are not limited to: total hours of operation, type and quantity (cubic feet of gas or gallons of liquid) of fuel used, the purpose for operating the engine, all hours of non-emergency and emergency operation, and other support documentation necessary to demonstrate a claim to the exemption. This

information shall be submitted to the APCO upon request and at the end of each calendar year in a manner and form approved by the APCO.

Section 6.2.3 requires that information kept pursuant to section 6.2.2 shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request.

The following permit conditions, which are based on the requirements of this rule, have been modified as follows:

- a. N-1657-31-2 – 220 BHP CHRYSLER MODEL HB 426-474 GASOLINE-FIRED EMERGENCY IC ENGINE #1 POWERING A FIRE PUMP
- b. N-1657-32-2 – 220 BHP CHRYSLER MODEL HB 426 GASOLINE-FIRED EMERGENCY IC ENGINE #2 POWERING A FIRE PUMP
  - Conditions 4 and 6 have been modified to include the rule section numbers in the citations.
  - Condition 5 has been modified to include additional record keeping requirements for total hours of operation and quantity and type of fuel used; and also the requirement for submittal of records to the APCO. The rule section number has also been added to the citation.

**J. District Rule 4702 - Internal Combustion Engines - Phase 2**

The purpose of District Rule 4701 is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. The rule is applicable to any internal combustion engine with a brake horsepower rating greater than 50.

The most recent version of the rule (amended January 18, 2007) was approved into the SIP on January 10, 2008.

Section 4.3 states that, except for the requirements of section 6.2.3, the provisions of this rule shall not apply to an internal combustion engine that is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood, and is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed operating time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine.

Section 6.2.3 requires that the owner of an engine claiming an exemption under section 4.3 shall maintain annual operating records, which shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to: total hours of operation; the type of fuel used; the purpose for operating the engine; for emergency standby engines - all hours of non-emergency and emergency operation; and other support documentation necessary to demonstrate claim to the exemption.

The following permit conditions, which are based on the requirements of this rule, have been modified as follows:

- a. N-1657-31-2 - 220 BHP CHRYSLER MODEL HB 426-474 GASOLINE-FIRED EMERGENCY IC ENGINE #1 POWERING A FIRE PUMP
- b. N-1657-32-2 - 220 BHP CHRYSLER MODEL HB 426 GASOLINE-FIRED EMERGENCY IC ENGINE #2 POWERING A FIRE PUMP
  - Conditions 4 and 6 have been modified to include the rule section numbers in the citations.
  - Condition 5 has been modified to include additional record keeping requirements for total hours of operation and type of fuel used. The rule section number has also been added to the citation.

#### **K. District Rule 8011 - General Requirements**

The purpose of Regulation VIII (Fugitive PM10 Prohibitions) is to reduce ambient concentrations of fine particulate matter (PM10) by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. The rules contained in this regulation have been developed pursuant to United States Environmental Protection Agency guidance for Serious PM10 Nonattainment Areas. The rules are applicable to specified anthropogenic fugitive dust sources. Fugitive dust contains PM10 and particles larger than PM10. Controlling fugitive dust emissions when visible emissions are detected will not prevent all PM10 emissions, but will substantially reduce PM10 emissions.

The provisions of this rule are applicable to specified outdoor fugitive dust sources. The definitions, exemptions, requirements, administrative requirements, recordkeeping requirements, and test methods set forth in this rule are applicable to all rules under Regulation VIII (Fugitive PM10 Prohibitions) of the Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District.

N-1657-0-2 – Facilitywide Requirements

- Conditions 29 through 34 on the proposed renewed permit to operate ensure compliance with the requirements of Rule 8011.

**L. District Rule 8021 - Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities**

The purpose of this rule is to limit fugitive dust emissions from construction, demolition, excavation, extraction, and other earthmoving activities.

This rule applies to any construction, demolition, excavation, extraction, and other earthmoving activities, including, but not limited to, land clearing, grubbing, scraping, travel on site, and travel on access roads to and from the site. This rule also applies to the construction of new landfill disposal sites or modification to existing landfill disposal sites prior to commencement of landfilling activities.

Section 5.0 requires that no person shall perform any construction, demolition, excavation, extraction, or other earthmoving activities unless the appropriate requirements in sections 5.1 and 5.2 are sufficiently implemented to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

N-1657-0-2 - Facilitywide Requirements

- Condition 29 on the proposed renewed permit to operate ensures compliance with the requirements of this rule.

**M. District Rule 8031 - Bulk Materials**

The purpose of this rule is to limit fugitive dust emissions from the outdoor handling, storage, and transport of bulk materials. This rule applies to the outdoor handling, storage, and transport of any bulk material.

Section 5.0 requires that no person shall perform any outdoor handling, storage, and transport of bulk materials unless the appropriate requirements in Table 8031-1 of this rule are sufficiently implemented to limit VDE to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

N-1657-0-2 - Facilitywide Requirements

- Condition 30 on the proposed renewed permit to operate ensures compliance with the requirements of Rule 8031.

**N. District Rule 8041 – Carryout and Trackout**

The purpose of this rule is to limit fugitive dust emissions from carryout and trackout.

This rule applies to all sites that are subject to Rules 8021 (Construction, Demolition, Excavation, Extraction, and other Earthmoving Activities), 8031 (Bulk Materials), and 8071 (Unpaved Vehicle and Equipment Traffic Areas) where carryout or trackout has occurred or may occur.

Section 5.0 requires that an owner/operator shall sufficiently prevent or cleanup carryout and trackout as specified in sections 5.1 through 5.8. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII. The use of blower devices, or dry rotary brushes or brooms, for removal of carryout and trackout on public roads is expressly prohibited. The removal of carryout and trackout from paved public roads does not exempt an owner/operator from obtaining state or local agency permits which may be required for the cleanup of mud and dirt on paved public roads.

N-1657-0-2 – Facilitywide Requirements

- Condition 31 on the proposed renewed permit to operate ensures compliance with the requirements of this rule.

**O. District Rule 8051 - Open Areas**

The purpose of this rule is to limit fugitive dust emissions from open areas.

This rule applies to any open area having 3.0 acres or more of disturbed surface area that has remained undeveloped, unoccupied, unused, or vacant for more than seven days.

Section 5.0 requires that whenever open areas are disturbed or vehicles are used in open areas, the owner/operator shall implement one or a combination of control measures indicated in Table 8051-1 to comply with the conditions of a stabilized surface at all times and to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.



N-1657-0-2 – Facilitywide Requirements

- Condition 32 on the proposed renewed permit to operate ensures compliance with the requirements of Rule 8051.

**P. District Rule 8061 - Paved and Unpaved Roads**

The purpose of this rule is to limit fugitive dust emissions from paved and unpaved roads by implementing control measures and design criteria.

This rule applies to any new or existing public or private paved or unpaved road, road construction project, or road modification project.

N-1657-0-2 – Facilitywide Requirements

- Condition 33 on the proposed renewed permit to operate ensures compliance with the requirements of this rule.

**Q. District Rule 8071 - Unpaved Vehicle/Equipment Traffic Area**

The purpose of this rule is to limit fugitive dust emissions from unpaved vehicle and equipment traffic areas by implementing control measures and design criteria.

This rule applies to any unpaved vehicle/equipment traffic area of 1.0 acre or larger.

The following permit conditions, which are based on the requirements of this rule, have been modified as follows:

N-1657-0-2 – Facilitywide Requirements

- Condition 34 on the proposed renewed permit to operate ensures compliance with the requirements of this rule.

**R. 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

3) the unit must have a pre-control potential to emit of greater than the major source thresholds.

a. N-1657-8-5 – GARLIC CRACKING LINE SERVED BY TWO CYCLONES AND A CARTER DAY MODEL 232-RF8 BAGHOUSE.

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:

$$\text{Post Control PM10 PE} = 3.6 \text{ lb/day} \times 365 \text{ days/yr} = 1,314 \text{ lb/yr}$$

Assuming cyclone and baghouse combinations controls a least 99% of PM10 emissions, Pre-Control PM10 PE = 1,314 lb/yr x 100 = 131,400 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 to CAM.

b. 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.

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:

$$\text{Post Control PM10 PE} = 0.8 \text{ lb/day} \times 365 \text{ days/yr} = 292 \text{ lb/yr}$$

Assuming the dust collector controls a least 99% of PM10 emissions, Pre-Control PM10 PE = 292 lb/yr x 100 = 29,200 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 to CAM.

- c. 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.

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:

$$\text{Post Control PM10 PE} = 0.4 \text{ lb/day} \times 365 \text{ days/yr} = 146 \text{ lb/yr}$$

Assuming the dust collector controls a least 99% of PM10 emissions, Pre-Control PM10 PE = 146 lb/yr x 100 = 14,600 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 to CAM.

- d. 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.

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:

$$\text{Post Control PM10 PE} = 0.4 \text{ lb/day} \times 365 \text{ days/yr} = 146 \text{ lb/yr}$$

Assuming the dust collector controls a least 99% of PM10 emissions, Pre-Control PM10 PE = 146 lb/yr x 100 = 14,600 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 to CAM.

**S. 40 CFR Part 61, Subpart M - National Emission Standard for Asbestos**

These regulations apply to demolition or renovation activity, as defined in 40 CFR 61.141. 40 CFR Section 61.150 of this Subpart was amended September 18, 2003.

Condition 35 on the proposed modified permit to operate (N-1657-0-2) ensures compliance with this requirement.

**T. 40 CFR Part 82, Subparts B and F - Stratospheric Ozone**

These regulations apply to servicing motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC). Sections of this regulation were amended in 2007 and 2008.

Conditions 27 and 28 on the proposed modified permit to operate (N-1657-0-2) ensure compliance with these requirements.

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

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

§6585(b) states, "A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site."

§6585(c) states, "An area source of HAP emissions is a source that is not a major source."

This facility is not a major source as defined in §6585(b), therefore it is an area source of HAP emissions.

§6590(a) states, "An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand."

§6590(a)(1) defines the criteria for an existing stationary RICE as follows:

- (i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

- (ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.
  - (iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.
  - (iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.
- a. N-1657-31-2 –220 BHP CHRYSLER MODEL HB 426-474 GASOLINE-FIRED EMERGENCY IC ENGINE #1 POWERING A FIRE PUMP
  - b. N-1657-32-2 – 220 BHP CHRYSLER MODEL HB 426 GASOLINE-FIRED EMERGENCY IC ENGINE #2 POWERING A FIRE PUMP

The engines above did not commence construction or reconstruction on or after June 12, 2006 and are therefore existing stationary RICE pursuant to §6590(a)(1)(iii).

§6590(b)(3) states that the following engines do not have to meet the requirements of this subpart and of subpart A of this part:

- stationary RICE which is an existing spark ignition 4 stroke rich burn (4SRB) stationary RICE located at an area source,
- existing spark ignition 4SRB stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source, an existing spark ignition 2 stroke lean burn (2SLB) stationary RICE,
- existing spark ignition 4 stroke lean burn (4SLB) stationary RICE,
- existing compression ignition (CI) stationary RICE,
- existing emergency stationary RICE,
- existing limited use stationary RICE, or
- existing stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis

The engines are existing emergency stationary RICE and therefore do not have to meet the requirements of this subpart and of subpart A of this part.

## **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 applicant has requested a permit shield for all applicable federally enforceable requirements and non-federally-enforceable requirements, as well as requirements listed in the permit application but not included in the Title V permit because they do not apply to this facility.

### **A. Requirements Addressed by Model General Permit Templates**

The applicant does not propose to use any model general permit templates.

### **B. Federally Enforceable Requirements**

The permit shields for federally enforceable requirements are included as conditions 39 and 40 under permit unit N-1657-0-2.

### **C. Obsolete Permit Shields**

The permit shield for County Rule 401 (all eight counties), which was previously included in condition 39 of permit unit N-1657-0-2, has become obsolete since County Rule 401 has been replaced by District Rule 4101 in the SIP. This permit shield has been deleted and replaced with a permit shield for the new rule.

The permit shields for District Rules 8020, 8030 and 8060 have become obsolete since these rules have been deleted and replaced by new rules 8021, 8031 and 8061. The obsolete permit shields were replaced by permit shields for the new rules

## **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

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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-1657-0-2

EXPIRATION DATE: 09/30/2007

## 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

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 Jul 23 2010 1:38PM - AJYABEU

9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. {4371} The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. {4372} Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. {4373} If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. {4374} It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. {4375} The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. {4376} The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. {4377} The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. {4378} The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. {4379} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. {4380} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. {4381} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. {4382} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

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

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 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 Rule 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 Rule 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 Rule 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 Rule 8061 and Rule 8011] 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.

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 Rule 8071 and Rule 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-1657-1-3

EXPIRATION DATE: 09/30/2007

## 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.

DRAFT

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-2-3

EXPIRATION DATE: 09/30/2007

## 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: 09/30/2007

## EQUIPMENT DESCRIPTION:

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-4-2

EXPIRATION DATE: 09/30/2007

**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-1657-5-2

**EXPIRATION DATE:** 09/30/2007

**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-1657-6-2

**EXPIRATION DATE:** 09/30/2007

**EQUIPMENT DESCRIPTION:**

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

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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. 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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-7-2

EXPIRATION DATE: 09/30/2007

## 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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-8-5

EXPIRATION DATE: 09/30/2007

## 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

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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.

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-9-2

EXPIRATION DATE: 09/30/2007

## 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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-1657-10-2

**EXPIRATION DATE:** 09/30/2007

**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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-12-3

EXPIRATION DATE: 09/30/2007

## 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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-13-2

EXPIRATION DATE: 09/30/2007

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-14-2

EXPIRATION DATE: 09/30/2007

## 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.

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-15-7

EXPIRATION DATE: 09/30/2007

## 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. {469} 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 the either the stack O2 concentration or visible mechanical burner settings are less than the normal range/level, the permittee shall return the stack O2 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 O2 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 O2 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 O2 measurements and burner adjustments, the measured O2 concentrations (% by volume) and firing rate at the time of O2 measurement, and the observed burner mechanical settings. The records must also include a description of any corrective action taken to maintain the O2 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. NOx, 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 NOx 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. {464} 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. {474} 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. {501} 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. {1672} 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.

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1657-18-3

EXPIRATION DATE: 09/30/2007

## EQUIPMENT DESCRIPTION:

GARLIC DRYING FACILITY EQUIPPED WITH A MAXON SERIES NP-I 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: 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  $E=3.59 \times P^{0.62}$  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
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: 09/30/2007

## 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.

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-1657-22-5

EXPIRATION DATE: 09/30/2007

## 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.

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-1657-24-2

**EXPIRATION DATE:** 09/30/2007

**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

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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.

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-1657-25-2

EXPIRATION DATE: 09/30/2007

## 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-1657-30-2

**EXPIRATION DATE:** 09/30/2007

**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.

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 (HVLV) 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 HVLV 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]
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-1657-31-2

EXPIRATION DATE: 09/30/2007

**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:** 09/30/2007

**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 B

Previous Title V Operating Permit

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# Permit to Operate

**FACILITY:** N-1657

**EXPIRATION DATE:** 09/30/2007

**LEGAL OWNER OR OPERATOR:**

SENSIENT DEHYDRATED FLAVORS COMPANY

**MAILING ADDRESS:**

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-1657-0-1

EXPIRATION DATE: 09/30/2007

## 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; Merced County Rule 109] 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; Merced County Rule 109] 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 (3/21/02). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] 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) (Permits Required) 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-1657-0-1; Nov 23 2009 9:48AM -- AUYABEJ



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 (11/15/01), by using EPA method 9. 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 Merced County Rule 401] 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 the Table of Standards of District Rule 4601 (10/31/01) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (10/31/01) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. 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
26. 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 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
27. 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 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
28. Disturbances of soil related to any construction, demolition, excavation, or extraction activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021(11/15/01) or Rule 8011 (11/15/01). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
29. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
30. An owner/operator shall prevent or cleanup any carryout and trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (11/15/01) or Rule 8011 (11/15/01) [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
31. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
32. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and 8011] Federally Enforceable Through Title V Permit
33. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8071 and 8011] Federally Enforceable Through Title V Permit
34. 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
35. 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

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 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
37. 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 permit shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Merced County Rule 401, 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
39. Compliance with permit conditions in the Title V permit shall be deemed 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 (10/31/01); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (10/31/01); 8021 (11/15/01); 8031 (11/15/01); 8061 (11/15/01); A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. On February 28, 2003, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-1657-1-5

**EXPIRATION DATE:** 09/30/2007

**EQUIPMENT DESCRIPTION:**

65 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS-FIRED DEHYDRATOR (#6)

## 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] 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] 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 maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [District Rule 4309] 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. 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] 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-1657-2-5

**EXPIRATION DATE:** 09/30/2007

**EQUIPMENT DESCRIPTION:**

65 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS-FIRED FOUR-STAGE DEHYDRATOR (#1)

## 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] 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] 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] 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] 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] 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] 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-1657-3-5

**EXPIRATION DATE:** 09/30/2007

**EQUIPMENT DESCRIPTION:**

65 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS-FIRED FOUR-STAGE 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] 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] 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] 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] 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] 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] 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-1657-4-1

**EXPIRATION DATE:** 09/30/2007

**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-1657-5-1

**EXPIRATION DATE:** 09/30/2007

**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-1657-6-4

**EXPIRATION DATE:** 09/30/2007

**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] 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] 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] 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] 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] 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] 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-1657-7-1

**EXPIRATION DATE:** 09/30/2007

**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-1657-8-4

**EXPIRATION DATE:** 09/30/2007

**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-1657-9-4

**EXPIRATION DATE:** 09/30/2007

**EQUIPMENT DESCRIPTION:**

50 MMBTU/HR PROCTOR AND SCHWARTZ NATURAL GAS-FIRED THREE-STAGE DEHYDRATOR (#3)

## 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] 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] 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] 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] 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] 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] 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-1657-10-4

**EXPIRATION DATE:** 09/30/2007

**EQUIPMENT DESCRIPTION:**

35 MMBTU/HR PUCCINELI NATURAL GAS-FIRED TWO-STAGE DEHYDRATOR (#4)

## 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] 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] 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] 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] 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] 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] 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-1657-12-2

**EXPIRATION DATE:** 09/30/2007

**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-1657-13-1

**EXPIRATION DATE:** 09/30/2007

**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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-1657-14-1

**EXPIRATION DATE:** 09/30/2007

**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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-1657-15-6

**EXPIRATION DATE:** 09/30/2007

**EQUIPMENT DESCRIPTION:**

14.7 MMBTU/HR HURST FIRE TUBE 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 and 4306] 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 and 4306] Federally Enforceable Through Title V Permit
5. Startup and shutdown shall not exceed 1 hour each per year. [District Rules 2201, 4305 and 4306] 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 and 4306] 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 and 4306] 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 and 4306] 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 and 4306] 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 and 4306] 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 and 4306] Federally Enforceable Through Title V Permit
14. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] 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). [District Rule 4306] 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] 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 and 4306] 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 and 4306] 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 and 4306] Federally Enforceable Through Title V Permit
21. If either the stack O2 concentration or visible mechanical burner settings are less than the normal range/level, the permittee shall return the stack O2 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 O2 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 O2 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 and 4306] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of the date and time of O2 measurements and burner adjustments, the measured O2 concentrations (% by volume) and firing rate at the time of O2 measurement, and the observed setting for [list adjustments to inspected]. The records must also include a description of any corrective action taken to maintain the O2 concentration and the burner mechanical settings within the acceptable range. [District Rules 4305 and 4306] 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, and 4306] 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] 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; 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
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-1657-18-2

**EXPIRATION DATE:** 09/30/2007

**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-1657-21-1

**EXPIRATION DATE:** 09/30/2007

**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.

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-1657-22-7

**EXPIRATION DATE:** 09/30/2007

**EQUIPMENT DESCRIPTION:**

70 MMBTU/HR PROCTOR & SCHWARTZ MODEL SCF FOUR-STAGE DEHYDRATOR (#7) 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] 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] 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 maintain records which demonstrate the unit is fired exclusively on PUC quality natural gas. [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.

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
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] 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-1657-24-1

**EXPIRATION DATE:** 09/30/2007

**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

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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.

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-1657-25-1

**EXPIRATION DATE:** 09/30/2007

**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.

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-1657-30-1

**EXPIRATION DATE:** 09/30/2007

**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. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. Amount of precoat used shall not exceed the amount of primer surfacer used. Precoat use shall be limited to one application per vehicle. Precoat shall not be used to fill in surface imperfections. [District Rule 4602] Federally Enforceable Through Title V Permit
5. Only HVLP, electrostatic, brush, dip, or roll coating application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rule 4602] Federally Enforceable Through Title V Permit
6. Permittee shall demonstrate that HVLP guns manufactured prior to 1/1/96 operate between 0.1 and 10 psig air atomizing pressure, by manufacturer's published technical material or by use of a certified air pressure tip gauge. [District Rule 4602] Federally Enforceable Through Title V Permit
7. Cleaning activities that use solvents with a VOC content greater than 50 g/l (0.42 lb/gallon) shall be performed by one or more of the following methods: wipe cleaning; application of solvent from hand-held spray bottles from which solvents are dispensed without a propellant-induced force; non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container; or solvent flushing method in which the cleaning solvent is discharged into a container that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged solvent from the equipment must be collected into containers without atomizing into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4602] Federally Enforceable Through Title V Permit
8. The permittee shall not use materials with a VOC content greater than 50 g/l (0.42 lb/gallon) for spray equipment clean-up unless an enclosed system or equipment proven to be equally effective is used for cleaning. [District Rule 4602] Federally Enforceable Through Title V Permit
9. All fresh or spent coatings, adhesives, catalysts, thinners and solvents shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4602] 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. VOC content of coatings as applied, excluding water and exempt compounds, used for Group I vehicles or Group II vehicles (when a color match is required) shall not exceed any of the following limits: pretreatment wash primer 780 g/l (6.5 lb/gal), precoat: 600 g/l (5.0 lb/gal) primer/primer surfacer: 250 g/l (2.1 lb/gal), primer sealer: 420 g/l (3.5 lb/gal), topcoat: 420 g/l (3.5 lb/gal), metallic/iridescent topcoat: 520 g/l (4.3 lb/gal), and multi-stage topcoat system: 540 g/l (4.5 lb/gal). [District Rule 4602]
11. VOC content of coatings as applied, excluding water and exempt compounds, used for Group II vehicles (when a color match is not required) shall not exceed any of the following limits: pretreatment wash primer 780 g/l (6.5 lb/gal), precoat: 600 g/l (5.0 lb/gal), primer/primer surfacer: 250 g/l (2.1 lb/gal), primer sealer: 340 g/l (2.8 lb/gal), topcoat: 420 g/l (3.5 lb/gal), metallic/iridescent topcoat: 420 g/l (3.5 lb/gal), and camouflage: 420 g/l (3.5 lb/gal). [District Rule 4602] Federally Enforceable Through Title V Permit
12. VOC content of specialty coatings (as defined in Rule 4602) as applied, excluding water and exempt compounds, shall not exceed 840 g/l (7.0 lb/gallon). If specialty coating usage, except anti-glare/safety coatings, exceeds 1 gallon per day, such coatings shall not exceed 5% (by volume) of total coatings applied in any month. [District Rule 4602] Federally Enforceable Through Title V Permit
13. VOC content of temporary protective coatings shall not exceed 60 g/l (0.5 lb/gal) of material. [District Rule 4602] Federally Enforceable Through Title V Permit
14. Until 11/15/03, VOC content of solvents used shall not exceed any of the following limits: product cleaning during manufacturing process or surface preparation for coating application (except spot surface preparation solvent applied from hand held bottle for removal of road tar): 70 g/l (0.58 lb/gal); repair and maintenance cleaning: 50 g/l (0.42 lb/gal); and cleaning of coating application equipment: 950 g/l (7.9 lb/gal) and solvent vapor pressure of 35 mm Hg at standard conditions. VOC content of solvents used for surface preparation of plastic substrates shall not exceed 100 g/l (0.83 lb/gallon). [District Rule 4602] Federally Enforceable Through Title V Permit
15. Effective 11/15/03, VOC content of solvents used shall not exceed any of the following limits: product cleaning during manufacturing process or surface preparation for coating application (except spot surface preparation solvent applied from hand held bottle for removal of road tar): 50 g/l (0.42 lb/gal); repair and maintenance cleaning: 50 g/l (0.42 lb/gal); and cleaning of coating application equipment: 550 g/l (4.6 lb/gal). VOC content of solvents used for surface preparation of plastic substrates shall not exceed 100 g/l (0.83 lb/gallon). [District Rule 4602] Federally Enforceable Through Title V Permit
16. 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
17. The VOC emissions from this operation shall not exceed 235 pounds in any given year. [District Rule 2201] Federally Enforceable Through Title V Permit
18. 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
19. The PM10 emissions from this operation shall not exceed 80 pounds in any given year. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Permittee shall maintain daily records of the following: quantity and type (Group I, Group II vehicle with color match, or Group II vehicle without color match) of each vehicle coated; specific coatings used on each vehicle; mix ratios (by volume) of components added to each coating; volume of coatings applied; VOC content of each coating as applied; and purchase and usage of each specific solvent or reducer, showing the date, type and volume purchased or used. [District Rule 4602] Federally Enforceable Through Title V Permit
21. Permittee shall keep the following records for solvent cleaning activities: manufacturers product data sheet or MSDS of solvents used, VOC content of solvents in g/l or lb/gal, and the type of cleaning activity for which each solvent is used. [District Rule 4602] Federally Enforceable Through Title V Permit
22. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



23. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request.  
[District Rule 4602] 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-1657-31-1

**EXPIRATION DATE:** 09/30/2007

**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 Rule 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 number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 6.2.3] Federally Enforceable Through Title V Permit
6. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.3] 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-1657-32-1

**EXPIRATION DATE:** 09/30/2007

**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 Rule 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 number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 6.2.3] Federally Enforceable Through Title V Permit
6. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.3] 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 DEHYDRATED FLAVORS COMPANY 9984 WEST WALNUT AVENUE LIVINGSTON, CA 95334		FAC.# N 1657	TYPE: TitleV 79	EXPIRE ON: AREA: 8 /	09/30/2007 04/10
STATUS: TELEPHONE:		A	TOXIC ID:	INS.P. DATE:	

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1657-1-5	65,000 kBTU/hr	3020-02 H	1	1,030.00	1,030.00	A	65 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS-FIRED DEHYDRATOR (#6)
N-1657-2-5	65,000 kBTU/hr	3020-02 H	1	1,030.00	1,030.00	A	65 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS-FIRED FOUR-STAGE DEHYDRATOR (#1)
N-1657-3-5	65,000 kBTU/hr	3020-02 H	1	1,030.00	1,030.00	A	65 MMBTU/HR PROCTOR & SCHWARTZ NATURAL GAS-FIRED FOUR-STAGE DEHYDRATOR (#2)
N-1657-4-1	405 HP	3020-01 F	1	607.00	607.00	A	ONION MILL SERVED BY A PRIMARY AND A SECONDARY BAGHOUSE
N-1657-5-1	24,000 KBTU/HR	3020-02 H	1	1,030.00	1,030.00	A	GARLIC BIN DRYERS SERVED BY THREE (3) 8 MMBTU/HR NATURAL GAS-FIRED BURNERS, EACH WITH AN ALLADIN TYPE BA540 FAN
N-1657-6-4	68 hp	3020-01 C	1	197.00	197.00	A	D-STAGE (STEAM HEATED) FOR PROCTOR & SCHWARTZ DEHYDRATOR #2
N-1657-7-1	40 HP	3020-01 B	1	117.00	117.00	A	ONION & GARLIC DEHYDRATOR SERVED BY A MICRO PULSAIRE MODEL 1325-8-20 BAGHOUSE AND A MAC H60 CYCLONE
N-1657-8-4	75 hp	3020-01 C	1	197.00	197.00	A	GARLIC CRACKING LINE SERVED BY TWO CYCLONES AND A CARTER DAY MODEL 232-RF8 BAGHOUSE
N-1657-9-4	50,000 kBTU/hr	3020-02 H	1	1,030.00	1,030.00	A	50 MMBTU/HR PROCTOR AND SCHWARTZ NATURAL GAS-FIRED THREE-STAGE DEHYDRATOR (#3)
N-1657-10-4	35,000 kBTU/hr	3020-02 H	1	1,030.00	1,030.00	A	35 MMBTU/HR PUCCINELI NATURAL GAS-FIRED TWO-STAGE DEHYDRATOR (#4)
N-1657-11-0	35,000 KBTU/HR	3020-02 H	1	1,030.00	1,030.00	D	DRYER #5: ONE (1) 35 MMBTU/HR NATURAL GAS FIRED DRYER **** DELETED, AS PER THE APPLICANT ON 08/07/1998 *****
N-1657-12-2	43,250 kBTU/hr	3020-02 H	1	1,030.00	1,030.00	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-1657-13-1	537 HP	3020-01 F	1	607.00	607.00	A	GARLIC PROCESSING AND MILLING EQUIPMENT
N-1657-14-1	80 HP	3020-01 C	1	197.00	197.00	A	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
N-1657-15-6	14,700 KBTU/HR BOILER	3020-02 G	1	815.00	815.00	A	14.7 MMBTU/HR HURST FIRE TUBE BOILER WITH A POWER FLAME MODEL NVC 8-G-30 ULTRA LOW-NOX BURNER
N-1657-16-0	65,000 KBTU	3020-02 H	1	1,030.00	1,030.00	D	DRIER #7 PERMIT DELETED **

### 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-1657-17-0	300 GALLONS	3020-05 A	1	75.00	75.00	D	GASOLINE STORAGE CONTAINER (#1), 300 GALLON. <= 200 GALLON ***=> EXEMPT **** PERMIT DELETED ****
N-1657-18-2	8,000 kBtu/hr	3020-02 G	1	815.00	815.00	A	GARLIC DRYING FACILITY EQUIPPED WITH A MAXON SERIES NP-1.8.0 MMBTU/HR NATURAL GAS FIRED BURNER AND AN ALLADIN MODEL BB542 FAN
N-1657-19-0	300 GALLON	3020-05 A	1	75.00	75.00	D	GASOLINE STORAGE CONTAINER #2, 300 GALLON. <= 200 GALLON ****=> EXEMPT ! **** PERMIT DELETED ****
N-1657-21-1	70 hp	3020-01 C	1	197.00	197.00	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-1657-22-7	70,000 kBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	70 MMBTU/HR PROCTOR & SCHWARTZ MODEL SCF FOUR-STAGE DEHYDRATOR (#7) WITH ECLIPSE COMBUSTION MODEL MINNOX BURNERS
N-1657-24-1	145.5 HP	3020-01 D	1	314.00	314.00	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-1657-25-1	165.5 HP	3020-01 D	1	314.00	314.00	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-1657-30-1	10 HP ELECTRIC MOTOR	3020-01 A	1	87.00	87.00	A	MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION (GROUP II VEHICLES) WITH HVL P SPRAY EQUIPMENT AND AN ENCLOSED GUN CLEANING SYSTEM.
N-1657-31-1	220 bhp	3020-10 C	1	240.00	240.00	A	220 BHP CHRYSLER MODEL HB 426-474 GASOLINE-FIRED EMERGENCY IC ENGINE #1 POWERING A FIRE PUMP
N-1657-32-1	220 bhp	3020-10 C	1	240.00	240.00	A	220 BHP CHRYSLER MODEL HB 426 GASOLINE-FIRED EMERGENCY IC ENGINE #2 POWERING A FIRE PUMP

Number of Facilities Reported: 1