

JUN 28 2010

Terry Bartz  
Frito-Lay, Inc.  
28801 Highway 58  
Bakersfield, CA 93314

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # S-2076  
Project # S-1090001**

Dear Mr. Bartz:

The District has issued the Final Renewed Title V Permit for Frito-Lay, Inc.. The preliminary decision for this project was made on April 30, 2010. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

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

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

Sincerely,



David Warner  
Director of Permit Services

Attachments

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

JUN 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 Final Action - Title V Permit Renewal  
District Facility # S-2076  
Project # S-1090001**

Dear Mr. Rios:

The District has issued the Final Renewed Title V Permit for Frito-Lay, Inc.. The preliminary decision for this project was made on April 30, 2010. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

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

I would like to thank you and your staff for working with us. We appreciate your concurrence with this action. Should you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,



David Warner  
Director of Permit Services

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cc: Kamaljit Sran, Permit Services Engineer

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JUN 28 2010

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

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # S-2076  
Project # S-1090001**

Dear Mr. Tollstrup:

The District has issued the Final Renewed Title V Permit for Frito-Lay, Inc.. The preliminary decision for this project was made on April 30, 2010. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

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

I would like to thank you and your staff for working with us. Should you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

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David Warner  
Director of Permit Services

Attachments

cc: Kamaljit Sran, Permit Services Engineer

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

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Bakersfield Californian

**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT  
NOTICE OF FINAL DECISION TO ISSUE  
RENEWED FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to issue the renewed Federally Mandated Operating Permit to Frito-Lay, Inc. for its Snack Manufacturing Facility located at 28801 Highway 58 in Bakersfield, California.

The District's analysis of the legal and factual basis for this proposed action, project #S-1090001, 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. For additional information regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.



# SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

## Title V Permit Renewal Evaluation Frito-Lay, Inc S-2076

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# **TITLE V PERMIT RENEWAL EVALUATION**

## **Snack Foods Manufacturing Facility**

**Engineer:** Kamaljit Sran

**Date:** June 24, 2010

**Facility Number:** S-2076  
**Facility Name:** Frito-Lay, Inc  
**Mailing Address:** 28801 Highway 58  
Bakersfield, CA 93314

**Contact Name:** Scott Kinghorn  
**Phone:** (661) 328-4620

**Responsible Official:** Scott Kinghorn  
**Title:** Technical Manager

**Project # :** S-109001  
**Deemed Complete:** January 7, 2009

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### **I. PROPOSAL**

Frito-Lay, Inc (Frito-Lay) was issued a renewed Title V permit on February 28, 2006. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

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

On April 30, 2010, the District issued public notice of its preliminary decision to issue the initial Title V permit for this facility. In accordance with District Rule 2520, copies of the proposed permit and evaluation were forwarded to the facility, US EPA, and the California Air Resources Board. Copies were also made available for public review. The notice of District's preliminary decision was published in The Bakersfield Californian (newspaper of general circulation in Kern County) on May 4, 2010. During the review period that followed the notice of preliminary decision, the District received facility comments. Responses to these comments provided as Attachment D.

## II. FACILITY LOCATION

Frito-Lay is located at 28801 Highway 58, Bakersfield, CA.

## III. EQUIPMENT LISTING

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

## IV. GENERAL PERMIT TEMPLATE USAGE

The applicant is not requesting to use the any model general permit templates.

## V. SCOPE OF EPA AND PUBLIC REVIEW

Since applicant is not requested to use any model general permit templates, the proposed permit is in it's entirety is subject to EPA and public review.

## VI. FEDERALLY ENFORCEABLE REQUIREMENTS

### A. Rules Updated

- District Rule 2020, Exemptions (amended December 19, 2002 ⇒ amended December 20, 2007)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended April 20, 2005 ⇒ amended September 21, 2006)
- District Rule 4601, Architectural Coatings (amended October 31, 2001 ⇒ amended December 17, 2009)
- District Rule 4306, Boilers, Steam Generators, Process Heaters - Phase 3 (amended September 18, 2003 ⇒ amended October 16, 2008)
- District Rule 4703, Stationary Gas Turbines (amended April 25, 2002 ⇒ amended September 20, 2007)

### B. Rules Removed

None.

**C. Rules Added**

None.

**D. Rules Not Updated**

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4102, Nuisance (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 4301, Fuel Burning Equipment (amended December 17, 1992)
- District Rule 4305, Boilers, Steam Generators, Process Heaters - Phase 2 (amended August 21, 2003)



- District Rule 4351, Boilers, Steam Generators, Process Heaters - Phase 1 (amended August 21, 2003)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities (amended August 19, 2004)
- District Rule 8031, Bulk Materials (amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Open Areas (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended September 16, 2004)
- 40 CFR Part 60, Subpart GG, Standards of Performance for Stationary Gas Turbines
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos
- 40 CFR Part 82, Subpart B and F, Stratospheric Ozone

## VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

### A. Rules Not Updated

- District Rule 4102, Nuisance (as amended December 17, 1992)

Condition 39 of the facility-wide requirements is based on District Rule 4102 and will therefore not be discussed any further.

### B. Rules Added

- District Rule 4320, Advanced Emission Reduction Options For Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr, (adopted October 16, 2008)

The purpose of this rule 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 was adopted on October 16, 2008 and has not yet been approved into the State Implementation Plan (SIP). In addition, the deadline to meet compliance with the requirements of this rule has not yet passed. Therefore, the boiler in this project is not currently subject to the requirements of this rule, and the requirements of this rule will not be addressed in this evaluation.

## VIII. PERMIT REQUIREMENTS

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

### A. District Rule 2020 - Exemptions

District Rule 2020 lists equipment which are specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any affect on current permit requirements and will therefore not be addressed in this evaluation.

### B. 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.

**C. District Rule 4101 - Architectural Coatings**

a. S-2076-0-3 – Facility-Wide Requirements

The latest version of District Rule 4601 has not been SIP approved. Attachment D contains the streamlining of the SIP approved District Rule 4601 (10/31/01) to the current District Rule 4601 to show the current rule is as stringent if not more than the SIP approved version. Conditions 23 through 25 on the facility-wide permit (S-2076-0-3) demonstrate compliance with the requirements of the latest version of this rule.

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

a. Permit Unit S-2076-1-14

Rule 4306 was modified to address an EPA concern regarding the exemption from BACT and offset exemption to include provisions of start-up or shutdown in the Permit to Operate (PTO). The modified provision includes a statement that modification of PTO may qualify for exemption from BACT and offset provided it meets the criteria specified in Rule 2201 (New and Modified Stationary Source Review Rule), Section 4.4 (BACT Exemption) and Section 4.6 (Offset Exemption). US EPA commented it is not appropriate to include such an exemption from new source review (NSR) requirements and it would not be approvable for inclusion in the State Implementation Plan (SIP). US EPA also stated "any regulatory language that exempts sources from NSR is subject to review as a revision to the District's NSR program. Adding a specific NSR exemption or new terms to provide an exemption already provided for in Rule 2201 to any rule not previously evaluated by EPA would likely open up all of the existing NSR rules to a new review to ensure compliance with the requirements of 40 CFR 51.165(a)(1).

The amendments to this rule do not have any affect on current permit requirements and will therefore not be addressed in this evaluation.

**E. District Rule 4703 – Stationary Gas Turbines**

a. Permit unit S-2076-9-10

Section 5.1.3 was added to impose new NOx emission limits for units no greater than 10 MW.

The new NOx limits are listed in the following table.

Tier 3 NOx Compliance Limits

Turbine Classification Rating	NOx Compliance Limit, ppmvd at 15% O <sub>2</sub>	
	Gas Fuel	Liquid Fuel
a) Less than 3 MW.	9	25
b) 3 MW to 10 MW pipeline gas turbine.	8 during steady state and 12 during non-steady state	25
c) 3 MW to 10 MW and permit condition for less than 877 hrs/yr operation.	9	25
d) 3 MW to 10 MW and permit condition for 877 hrs/yr operation or greater.	5	25
e) Greater than 10 MW, Simple cycle, and permit condition for no greater than 200 hrs/yr operation, except as provided in Section 5.1.3.3.	25	42
f) Greater than 10 MW, Simple cycle, and permit condition for greater than 200 hrs/yr operation but no greater than 877 hrs/yr operation.	5	25

Section 7.3.1 through Section 7.3.3 specify the compliance schedule for the units subject to Tier 3 Compliance Limits

The ECP submitted with the District includes the plan elements required in Section 6.1 and the compliance date required in Section 7.3. The ECP states that the turbine will be equipped with either Cheng Low NOx (CLN) technology or selective catalytic reduction (SCR) to comply with the emission limits of District Rule 4703 required by the earlier of October 1, 2011, or within 90 days following the next Major Overhaul on or after July 1, 2009.



The amendments to this rule do not have any affect on current permit requirements until October 1, 2011.

In addition, the District removed the term Thermal Stabilization Period in September 20, 2007 amendment, replacing it with "Transitional Operation Period" and defining it as: any of the following periods: bypass transition period, primary re-ignition period, reduced load period, start-up or shutdown. The District has made changes as following.

*3. The owner or operator shall not operate the gas turbine under load conditions, excluding the ~~thermal stabilization or reduced load period transitional operation period as defined in District Rule 4703 (as amended September 20, 2007)~~, which results in the measured NOx emissions concentration exceeding 35 ppmv @ 15% O2. [40 CFR 60.332(a)(1), (a)(2) and District Rule 4703, 5.1.2.1] Federally Enforceable Through Title V Permit*

*4. The owner or operator shall not operate the gas turbine under load conditions, excluding the ~~thermal stabilization or reduced load period transitional operation period as defined in District Rule 4703 (as amended September 20, 2007)~~, which results in the measured CO emissions concentration exceeding 200 ppmv @ 15% O2. [District Rule 4703, 5.2] Federally Enforceable Through Title V Permit*

*~~Reduced Load Period shall be defined as the time during which a gas turbine is operated at less than rated capacity in order to change the position of the exhaust gas diverter gate not exceeding one hour. [District Rule 4703, 3.19] Federally Enforceable Through Title V Permit~~*

*~~Thermal Stabilization Period shall be defined as the start up or shut down time during which the exhaust gas is not within the normal operating temperature range, not to exceed two hours [District Rule 4703, 3.25] Federally Enforceable Through Title V Permit~~*

#### **F. 40 CFR Part 64-CAM**

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; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
- 3) the unit must have a pre-control potential to emit of greater than the major source thresholds.

a. S-2076-1-14 – 72 MMBtu/hr Natural Gas/LPG fired Boiler

The boiler has add-on controls only for NO<sub>x</sub> in the form of FGR. The boiler is equipped with ultra low NO<sub>x</sub> burners which are guaranteed to have NO<sub>x</sub> emissions of 15 ppmv @ 3% O<sub>2</sub> or 0.018 lb/MMBtu. Therefore uncontrolled NO<sub>x</sub> emissions from 72 MMBtu/hr unit is calculated as shown below.

$$0.018 \text{ lb/MMBtu} \times 72 \text{ MMBtu/hr} \times 8,760 \text{ hrs/year} = 11,353 \text{ lb/year}$$

Therefore CAM is not applicable for NO<sub>x</sub>. Major source threshold for NO<sub>x</sub> is 50,000 lb/yr year.

There are no add-on controls for any other pollutant.

b. S-2076-2-8 – Potato Chip Line #1

Unit S-2076-2 may be subject to CAM for PM<sub>10</sub>, as there is a PM<sub>10</sub> limit, and it does have add-on controls in the form of a scrubber. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM<sub>10</sub>/year.

*Uncontrolled emission factor for PM<sub>10</sub> for "potato chips" is (1.6 + 0.39 = 1.99) lb/ton (AP-42, 9.13.3-5, January 1995). The maximum throughput for this unit is 168,000 lb-chips/day.*

$$168,000 \text{ lb/day} \times 1 \text{ ton}/2000 \text{ lb} \times 1.99 \text{ lb/ton} \times 365 \text{ days/yr} = 61,013 \text{ lbs PM}_{10}/\text{yr}$$

c. S-2076-3-8 and '8-10 – Corn Chip Production Line #1 and #2

Units S-2076-3 and '8 may be subject to CAM for PM<sub>10</sub>, as there is a PM<sub>10</sub> limit, and they do have add-on controls in the form of mist separators. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM<sub>10</sub>/year.

*Uncontrolled emission factor for PM<sub>10</sub> for "other snack chips" is (0.56 + 0.24 = 0.8) lb/ton (AP-42, 9.13.3-5, January 1995). The maximum throughput for each unit is 2,500 lb-chips/hr.*

$$2,500 \text{ lb/hr} \times 1 \text{ ton}/2000 \text{ lb} \times 0.8 \text{ lb/ton} \times 8,760 \text{ hr/yr} = 8,760 \text{ lbs PM}_{10}/\text{yr}$$

d. S-2076-4-7 and '5-7 – Tortilla Chip Line #1 and #2

Units S-2076-4 and '5 are not subject to CAM because they do not have any add-on controls.

e. S-2076-6-7 – Corn Receiving and Storage Operation

Unit S-2076-6 may be subject to CAM for PM10, as there is a PM10 limit, and it does have add-on controls in the form of a fabric filter. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM10/year.

*Uncontrolled emission factor for PM10 for "grain receiving - railcar" is 0.0078 lb/ton (AP-42, 9.9.1-22, March 2003). The maximum throughput for this unit is 6 tons/hr.*

$$6 \text{ tons/hr} \times 0.0078 \text{ lb/ton} \times 8,760 \text{ hr/yr} = 410 \text{ lbs PM10/yr}$$

f. S-2076-7-5 – Process Wastewater Treatment Facility

Unit S-2076-7 is not subject to CAM, since it does not have emission limits for VOC (the only pollutant which would be emitted from this permit).

g. S-2076-9-10 – Cogeneration Facility

Unit S-2076-9 may be subject to CAM for NO<sub>x</sub>, as there is a NO<sub>x</sub> limit, and it does have add-on controls in the form of steam injection.

*This gas turbine qualifies for the exemption in 40 CFR 64.2(b)(i) for NO<sub>x</sub>. This exemption is from CAM requirements pertaining to emission limits contained in NSPSs that were proposed prior to November 30, 2000. The EPA included this exemption with the reasoning that newer regulations will include adequate monitoring and thus the CAM Rule would be redundant. The gas turbine is subject to the Stationary Gas Turbine NSPS (Subpart GG), which was amended on July 8, 2004.*

There are no add-on controls for any other pollutant.

h. S-2076-10-5 – Starch Drying Operation

Unit S-2076-10 may be subject to CAM for PM10, as there is a PM10 limit, and it does have add-on controls in the form of a cyclone. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM10/year.

*Per EPA "Air Pollution Control Technology Fact Sheet", a typical cyclone has a control efficiency of 30-90% for PM10. Assume a worst case control efficiency of 30%.*

$$0.7 \text{ lb/hr} \times 8,760 \text{ hr/yr} \div 0.3 = 20,440 \text{ lbs PM10/yr}$$

i. S-2076-11-6 and '12-6 – 240 hp Diesel Engine Powering Firewater Pump

Units S-2076-11 and '12 are not subject to CAM because they do not have any add-on controls.

j. S-2076-15-4 – Corn Receiving and Storage Operation

Unit S-2076-15 may be subject to CAM for PM10, as there is a PM10 limit, and it does have add-on controls in the form of a fabric filter. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM10/year.

*Uncontrolled emission factor for PM10 for "grain receiving - railcar" is 0.0078 lb/ton (AP-42, 9.9.1-22, March 2003). The maximum throughput for this unit is 100,000 lb/hr.*

$$100,000 \text{ lb/hr} \times 1 \text{ ton}/2000 \text{ lb} \times 0.0078 \text{ lb/ton} \times 8,760 \text{ hr/yr} = 3,416 \text{ lbs PM10/yr}$$

k. S-2076-16-4 – Flour Receiving and Storage Operation

Unit S-2076-16 may be subject to CAM for PM10, as there is a PM10 limit, and it does have add-on controls in the form of a fabric filter. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM10/year.

*Uncontrolled emission factor for PM10 for "grain receiving – straight truck" is 0.059 lb/ton (AP-42, 9.9.1-22, March 2003). The maximum throughput for this unit is 35,000 lb/hr.*

$$35,000 \text{ lb/hr} \times 1 \text{ ton}/2000 \text{ lb} \times 0.059 \text{ lb/ton} \times 8,760 \text{ hr/yr} = 9,045 \text{ lbs PM10/yr}$$

l. S-2076-17-6 – Baked Line #1

Unit S-2076-17 may be subject to CAM for PM10, as there is a PM10 limit, and it does have add-on controls in the form of a mist eliminator. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM10/year.



*Per project S-1000994, the mist eliminator has a control efficiency of 0.5. Unit S-2076-17 has a PM10 emission limit of 0.40 lb/hr from the fryer served by the mist eliminator. Therefore, the uncontrolled emissions are as follows.*

$$0.40 \text{ lb/hr} \times 8760 \text{ hr/yr} \div 0.5 = 7,008 \text{ lbs PM10/yr}$$

m. S-2076-18-54 – Baked Line #2

Unit S-2076-18 is not subject to CAM because it does not have any add-on controls.

n. S-2076-19-13 – Pretzel Line #2

Units S-2076-19 may be subject to CAM for PM10, as there is a PM10 limit, and they do have add-on controls in the form of a cyclone and baghouse for the coater/drying oven in unit '19. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM10/year.

*Per EPA "Air Pollution Control Technology Fact Sheet", a typical cyclone has a control efficiency of 30-90% for PM10. Assume a worst case control efficiency of 30%.*

$$7.8 \text{ lb/day} \times 365 \text{ days/yr} \div 0.3 = 9,490 \text{ lbs PM10/yr}$$

The baghouse would control these emissions even further.

o. S-2076-20-10 – Pretzel Line #1

Units S-2076-20 may be subject to CAM for PM10, as there is a PM10 limit, and it does have add-on controls in the form of a dust collection system which serves units '19 and '20. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM10/year.

*Per EPA "Air Pollution Control Technology Fact Sheet", a typical baghouse has a control efficiency of 95-99.9% for PM10. Assume a worst case control efficiency of 95%.*

$$1.5 \text{ lb/day} \times 365 \text{ days/yr} \div 0.95 = 576 \text{ lbs PM10/yr}$$

p. S-2076-21-12 – Tortilla Chip Line

Units S-2076-21 may be subject to CAM for PM10, as there is a PM10 limit, and it does have add-on controls in the form of a mist eliminator. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM10/year.

*The mist eliminator has a minimum control efficiency of 0.5 (per permit condition). Unit S-2076-21 has a PM10 emission limit of 13.4 lb/hr. Therefore, the uncontrolled emissions are as follows.*

$$13.4 \text{ lb/day} \times 365 \text{ days/yr} \div 0.5 = 9,782 \text{ lbs PM10/yr}$$

## **IX. PERMIT SHIELD**

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

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

The applicant has not requested to utilize any model general permit templates.

### **B. Requirements not Addressed by Model General Permit Templates**

The applicant is not requesting any permit shield.

## **X. PERMIT CONDITIONS**

See Attachment A - Renewed Title V Operating Permit.

## **XI. ATTACHMENTS**

- A. Renewed Title V Operating Permit
- B. Expired Title V Operating Permit
- C. Detailed Facility List
- D. Current District Rule SIP Comparison
- E. Facility Comments/District Responses

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# ATTACHMENT A

Renewed Title V Operating Permit

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# Permit to Operate

**FACILITY:** S-2076

**EXPIRATION DATE:** 06/30/2014

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

FRITO-LAY INC  
28801 HIGHWAY 58  
BAKERSFIELD, CA 93314-9000

**FACILITY LOCATION:**

28801 HIGHWAY 58  
BAKERSFIELD, CA 93314

**FACILITY DESCRIPTION:**

SNACK FOODS MANUFACTURING

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: S-2076-0-3

EXPIRATION DATE: 06/30/2014

## 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 and Kern County Rule 111] 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 and Kern County Rule 111] 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) 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: FRITO-LAY INC  
Location: 28801 HIGHWAY 58, BAKERSFIELD, CA 93314  
S-2076-0-3: Jun 24 2010 2:30PM - SRANK

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 (2/17/05). 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 Kern 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 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
40. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68] Federally Enforceable Through Title V Permit
41. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 13th 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-1-14

EXPIRATION DATE: 06/30/2014

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

72 MMBTU/HR NATURAL GAS-FIRED BOILER #1 WITH A NATCOM ULTRA LOW NOX BURNER AND FLUE GAS RECIRCULATION AND EXHAUST STACK VENTING THROUGH STARCH DRYER S-2076-10 FOR HEAT RECOVERY

## PERMIT UNIT REQUIREMENTS

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1. The boiler shall be fired on PUC quality natural gas or propane. [District NSR Rule and District Rule 4305] Federally Enforceable Through Title V Permit
2. Burner shall be equipped with fuel volume flowrate monitor/recorder for propane usage. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grain/dscf, calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
4. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 0.011 lb NO<sub>x</sub>/MMBtu or 9 ppmv. [District NSR Rule, District Rules 4305, 5.1, 4306, 5.1, and 4351, 5.2 and the subsumed District Rule 4301] Federally Enforceable Through Title V Permit
5. Natural gas and propane fired emission rate shall not exceed any of the following: PM<sub>10</sub>: 0.014 lb/MMBtu, SO<sub>x</sub> (as SO<sub>2</sub>): 0.00285 lb/MMBtu, CO: 0.075 lb/MMBtu or 100 ppmv, or VOC: 0.003 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. In-stack O<sub>2</sub> monitors are acceptable for O<sub>2</sub> measurement. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 5.4 and 4306, 5.4] Federally Enforceable Through Title V Permit
7. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100 (amended December 17, 1992), 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 and 4306, 5.4] Federally Enforceable Through Title V Permit

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

8. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 5.4 and 4306, 5.4] Federally Enforceable Through Title V Permit
9. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 6.1 and 4306, 6.1] Federally Enforceable Through Title V Permit
10. 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. [District Rules 4305, 6.3.1, 4306, 6.3.1, and 4351, 6.3.1] Federally Enforceable Through Title V Permit
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. 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
13. 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
14. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, stack gas moisture content - EPA Method 4, stack gas velocities - EPA Method 2. [District Rules 4305, 6.2, 4306, 6.2, 4351, 6.2] Federally Enforceable Through Title V Permit
15. The fuel higher heating value for each fuel shall be certified by a third party fuel supplier or determined annually by: ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2520, 9.3.2; 4305, 6.2; 4306, 6.2; and 4351, 6.2] Federally Enforceable Through Title V Permit
16. 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
17. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 5.5.5 and 4306, 5.5.5] Federally Enforceable Through Title V Permit
18. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
19. The portable analyzer shall be calibrated prior to each use with a two-point calibration method (zero and span). Calibration shall be performed with certified calibration gases. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rules 4305 and 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.

21. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rules 2520, 9.3.2 and 4305] Federally Enforceable Through Title V Permit
22. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rules 2520, 9.3.2 and 4305] Federally Enforceable Through Title V Permit
23. Operator shall monitor and record for each unit the higher heating value and cumulative annual use of each fuel. [District Rule 4351, 6.1.1] Federally Enforceable Through Title V Permit
24. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
25. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
26. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
27. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
28. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
29. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c 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:** S-2076-2-8

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

236 HP POTATO CHIP LINE #1 INCLUDING FRYER VENTILATION HOOD, ANDERSEN MODEL WAV-123 SCRUBBER, SCREEN CONVEYOR, SALTER AND SEASONER

## 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 NSR Rule] 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. Scrubbers shall have operational differential pressure indicators. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Scrubber liquid supply (at inlet to scrubber) shall have an operational pressure indicator. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Scrubber shall be operated at a minimum of 11 in. w.c. differential pressure and shall be equipped with adjustable throat position indicator. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Scrubber particulate efficiency shall be maintained at no less than 97% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Emission rates from this unit shall not exceed 0.871 lb-PM10/ton-chips. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Daily potato chip production from this unit shall not exceed 168,000 lb-chips/day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. 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. [District Rule 1081] Federally Enforceable Through Title V Permit
10. Source testing to measure PM10 emissions from this unit shall be conducted at least once every twelve (12) months in the presence of District personnel. The results of each source test shall be submitted to the District within 60 days thereafter. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
11. Operator shall perform source testing for Particulate Matter emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
12. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
13. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 1081, 4201, 4202, and 4801. 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.



14. Permittee shall maintain daily records of potato chip production and daily records of the pressure drop across the scrubbers, and shall make such records available for district inspection upon request. [District NSR Rule and District Rule 2520, 9.32] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-3-8

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

## **EQUIPMENT DESCRIPTION:**

CORN CHIP PRODUCTION LINE #1 INCLUDING FRYING VAT WITH VENTILATION HOOD AND MIST ENTRAINMENT SEPARATOR, EXHAUST FAN, FRYER HOOD LIFT, SEASONER, FRYER FINES REMOVAL SCREEN WITH AIR CLEANING SYSTEM, AND AMBIENT AIR COOLER SERVED BY HIGH VELOCITY AIR FILTER

## **PERMIT UNIT REQUIREMENTS**

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1. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
2. Seasoner shall not be a source of particulate emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Corn chip fryer fines removal exhaust air shall be ducted into the fryer stack above the oil mist eliminator and below the stack damper. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Steam sparged cooker and seasoner shall not be sources of particulate emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Corn chip production shall not exceed 2500 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Corn chip fryer fines removal system shall not exceed 60 cfm. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Particulate matter (PM10) emissions from chip fryer shall not exceed 1.25 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
9. District-witnessed sample collection shall be performed in even-numbered years, alternating with Permit unit S-2076-8 (corn chip line #2 to be tested in odd-numbered years). [District NSR Rule] Federally Enforceable Through Title V Permit
10. Source testing shall be required for this unit and Permit unit S-2076-8 if test results determine either is out of compliance. Test results and field data shall be submitted within 60 days of sample collection. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
11. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 4201, 4202, 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
12. Operator shall perform source testing for Particulate Matter emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
13. Permittee shall maintain daily records of corn chip production and shall make such records available to the District upon request. [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. The exhaust vented to the atmosphere shall be inspected quarterly while in operation for visible emissions and the results shall be recorded and made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Particulate matter (PM10) emissions from ambient air cooler shall not exceed 0.16 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Permittee shall monitor and record annually the corn chip fryer fines removal system air flow rate. [District Rules 1070 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-4-7

EXPIRATION DATE: 06/30/2014

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

TORTILLA CHIP LINE #1 WITH CONVEYORIZED OIL FRYER, HEAT EXCHANGER, SEASONER, 6.83 MMBTU/HR NATURAL GAS FIRED CASA HERRERA OVEN, AND ONE AMBIENT AIR COOLER SERVED BY HIGH VELOCITY DUCT FILTER

## PERMIT UNIT REQUIREMENTS

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1. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
2. The seasoner shall not vent emissions to the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Seasoner shall not be a source of particulate matter emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Tortilla chip production rate shall not exceed 3,500 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
6. Particulate matter emissions from fryer shall not exceed 0.7 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Compliance with fryer emission limit shall be demonstrated by District witnessed sample collection in odd numbered years, alternating with Permit Unit S-2076-5 (Tortilla Chip Line #2 to be tested in even numbered years). [District NSR Rule] Federally Enforceable Through Title V Permit
8. Compliance with the permit condition in the Title V permit shall be deemed compliance with the following requirements: Rule 4201, 4202, and 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. Operator shall perform source testing for Particulate Matter Emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
10. Oven excess combustion air shall be maintained at no less than 10% unless continuous oxygen analyzer/controller is utilized. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Emissions from Casa Herrera oven shall not exceed any of the following: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 0.100 lb/MMBtu, VOC: 0.0055 lb/MMBtu, or CO: 223 ppmv @ 15% O2. [District NSR Rule] Federally Enforceable Through Title V Permit
12. PM10 emissions from ambient air cooler shall not exceed 0.16 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted once every 12 months, except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
15. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
18. The results of each source test shall be submitted to the District within 60 days thereafter. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
19. The following test methods shall be used: NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
20. Permittee shall maintain hourly records of tortilla chip production and shall make such records available for District inspection upon request for a period of five years. [District NSR Rule] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-5-7

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

TORTILLA CHIP LINE #2 WITH CONVEYORIZED OIL FRYER, HEAT EXCHANGER, SEASONER, 6.83 MMBTU/HR NATURAL GAS FIRED CASA HERRERA OVEN, AND ONE AMBIENT AIR COOLER SERVED BY HIGH VELOCITY DUCT FILTER

## PERMIT UNIT REQUIREMENTS

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1. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
2. The seasoner shall not vent emissions to the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Seasoner shall not be a source of particulate matter emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Tortilla chip production rate shall not exceed 3,500 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
6. Particulate matter emissions from fryer shall not exceed 0.7 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Compliance with fryer emission limit shall be demonstrated by District witnessed sample collection in even numbered years, alternating with Permit Unit S-2076-4 (Tortilla Chip Line #1 to be tested in odd numbered years). [District NSR Rule] Federally Enforceable Through Title V Permit
8. Compliance with the permit condition in the Title V permit shall be deemed compliance with the following requirements: Rule 4201, 4202, and 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. Operator shall perform source testing for Particulate Matter Emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
10. Oven excess combustion air shall be maintained at no less than 10% unless continuous oxygen analyzer/controller is utilized. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Emissions from Casa Herrera oven shall not exceed any of the following: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 0.100 lb/MMBtu, VOC: 0.0055 lb/MMBtu, or CO: 223 ppmv @ 15% O2. [District NSR Rule] Federally Enforceable Through Title V Permit
12. PM10 emissions from ambient air cooler shall not exceed 0.16 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted once every 12 months, except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit

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

14. Source testing to demonstrate compliance with NO<sub>x</sub> and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
15. If permittee fails any compliance demonstration for NO<sub>x</sub> and CO emission limits when testing not less than once every 36 months, compliance with NO<sub>x</sub> and CO emission limits shall be demonstrated not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
17. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
18. The results of each source test shall be submitted to the District within 60 days thereafter. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
19. The following test methods shall be used: NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
20. Permittee shall maintain hourly records of tortilla chip production and shall make such records available for District inspection upon request for a period of five years. [District NSR Rule] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-6-7

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

## **EQUIPMENT DESCRIPTION:**

CORN RECEIVING & STORAGE OPERATION INCLUDING RAILCAR UNLOADING, SILO INFEED CONVEYOR, SILO BUCKET ELEVATOR, SILO FEED DIVERTER, 3-600,000 LB STORAGE SILOS, 3-CORN HOPPER BUCKET ELEVATORS, CARTER-DAY SCREEN MACHINE, & PULSE-JET FABRIC FILTER W/36 BAGS

## **PERMIT UNIT REQUIREMENTS**

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1. Air flow from Carter-Day screen machine shall not exceed 200 scfm. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Processed corn weight shall not exceed 6 Tons/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
3. All corn received at plant shall be precleaned prior to delivery. [District NSR Rule] Federally Enforceable Through Title V Permit
4. All corn conveyors, bucket elevators, and transfer points shall be covered or fully enclosed during normal operation. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Inspection hatches on conveying equipment shall remain closed at all times except as required for normal operating procedures. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Baghouse flowrate shall be maintained at a minimum of 3,250 scfm. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.31 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. If visible emissions from exhaust vents to the atmosphere are detected, compliance testing with particulate emissions rate shall be performed by District-witnessed sample collection, and official results/field data shall be submitted within 30 days of collection. [District NSR Rule and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
10. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. All equipment shall be maintained in good operation condition and shall be operated in a manner to minimize emission of air contaminants into the atmosphere. [District Rule 4102 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201 and District Rule 4202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
13. Dust collector filters shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced 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.



14. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. 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
16. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Permittee shall maintain hourly records of processed corn weight and shall make such records available to the District upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Permittee shall monitor and record annually the Carter-Day screen machine and baghouse air flow rate. [District Rules 1070 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-7-5

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

## **EQUIPMENT DESCRIPTION:**

PROCESS WASTEWATER TREATMENT FACILITY INCLUDING WASTEWATER OIL REMOVAL TANK, STARCH RECOVERY SYSTEM, SEPARATION & HOLDING TANK, PRIMARY PUMP STATION, ROTARY SCREENS, TRANSFER PUMP STATION W/4 PUMPS, 13 IRRIGATORS, & TAILWATER COLLECTION/RETURN SYSTEM

## **PERMIT UNIT REQUIREMENTS**

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1. Pretreatment system shall include bakery wastewater oil removal tank, starch recovery system, oil gravity separation and holding tank, primary process pump station, and rotary screens. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Treatment and disposal systems shall consist of transfer pump station with four 50 hp pumps, wastewater application system with thirteen 4 hp irrigators, tailwater collection/return system, supplemental irrigation water system, and support facilities [District NSR Rule] Federally Enforceable Through Title V Permit
3. Processed wastewater shall be collected from the snack foods plant (oily, starchy, and process water) and the bakery (process water). [District NSR Rule] Federally Enforceable Through Title V Permit
4. There shall be no visible standing process wastewater at any application site for more than 24 hours. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Tailwater runoff collection and return system shall prevent blockage and odor formation, and any runoff collected in tailwater collection pond shall be pumped out and reapplied. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Permittee shall maintain accurate records of wastewater discharge volume and shall make such records available for District inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Permittee shall monitor and record daily the date, length of time, and location of visible standing water that exists at any application site. Permittee shall monitor and record daily the date of removal of the visible standing water and the identity of who removed the water. [District Rules 1070 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-8-10

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

## **EQUIPMENT DESCRIPTION:**

CORN CHIP PRODUCTION LINE #2 INCLUDING FRYING VAT WITH VENTILATION HOOD AND MIST ENTRAINMENT SEPARATOR, EXHAUST FAN, HEAT EXCHANGER, CIRCULATING PUMP, TRANSFER PUMP, FRYER HOOD LIFT, SEASONER, FRYER FINES REMOVAL SCREEN WITH AIR CLEANING SYSTEM, AND AMBIENT AIR COOLER SERVED BY HIGH VELOCITY AIR FILTER

## **PERMIT UNIT REQUIREMENTS**

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1. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
2. Seasoner shall not be a source of particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Corn chip fryer fines removal exhaust air shall be ducted into the fryer stack above the oil mist eliminator and below the stack damper. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Steam sparged cooker and seasoner shall not be sources of particulate emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Corn chip production shall not exceed 2500 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Corn chip fryer fines removal system shall not exceed 60 cfm. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Particulate matter (PM10) emissions from chip fryer shall not exceed 1.21 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter (PM10) emissions from ambient air cooler shall not exceed 0.16 lbs/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emission sampling shall be performed by District-witnessed sample collection in odd-numbered years, alternating with Permit No. S-2076-3 (corn chip line #1 to be tested in even-numbered years). [District NSR Rule] Federally Enforceable Through Title V Permit
11. Source testing shall be required for this unit and Permit No. S-2076-3 if test results determine either is out of compliance. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Compliance with the permit condition in the Title V permit shall be deemed compliance with the following requirements: Rule 4201, 4202, 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
13. Operator shall perform source testing for Particulate Matter emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] 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. Permittee shall maintain daily records of corn chip production and shall make such records available to the District upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Permittee shall monitor and record annually the corn chip fryer fines removal system air flow rate. [District Rules 1070 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-9-10

EXPIRATION DATE: 06/30/2014

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

COGENERATION FACILITY INCLUDING ALLISON 6.0 MW 53 MMBTU/HR GAS-FIRED GAS TURBINE ENGINE GENERATOR SET, 40 MMBTU/HR LOW-PRESSURE HEAT RECOVERY STEAM GENERATOR WITH COEN BURNER, PRE-COMBUSTION STEAM INJECTION NOZZLE, & ELDON HEAT RECLAIMER

## PERMIT UNIT REQUIREMENTS

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1. The owner or operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation, the fuel consumption and the ratio of water to fuel being fired in the turbine. [40 CFR 60.334(a) and District Rule 4703, 6.2.2] Federally Enforceable Through Title V Permit
2. This unit shall be fired exclusively on natural gas as defined in 40 CFR 60.331(u) which has a total sulfur content of less than or equal to 1.0 gr/100 scf. [40 CFR 60.333(b), District Rule 4201, Kern County Rule 407] Federally Enforceable Through Title V Permit
3. The owner or operator shall not operate the gas turbine under load conditions, excluding the transitional operation period as defined in District Rule 4703 (as amended September 20, 2007, which results in the measured NOx emissions concentration exceeding 35 ppmv @ 15% O2. [40 CFR 60.332(a)(1), (a)(2) and District Rule 4703, 5.1.2.1] Federally Enforceable Through Title V Permit
4. The owner or operator shall not operate the gas turbine under load conditions, excluding the transitional operation period as defined in District Rule 4703 (as amended September 20, 2007, which results in the measured CO emissions concentration exceeding 200 ppmv @ 15% O2. [District Rule 4703, 5.2] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
6. The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, a tariff sheet or transportation contract or (ii) monitored weekly using ASTM Methods D4084, D5504, D6228, or Gas Processors Association Standard 2377. If sulfur content is less than 1.0 gr/100 scf for 8 consecutive weeks, then the Monitoring frequency shall be every six (6) months. If any six (6) month monitoring show an exceedance, weekly monitoring shall resume. [40 CFR 60.334(h)(3) and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Performance testing shall be conducted annually to measure NOx and CO emission concentrations using the following test methods: EPA Methods 7E or 20 for NOx emissions, EPA Methods 10 or 10B for CO emissions, EPA Methods 3, 3A, or 20 for Oxygen content of the exhaust gas. The 3-run tests shall be performed at four evenly spaced load points in the normal operating range of the gas turbine. The measured NOx concentrations shall be averaged over a three hour period, using consecutive 15-minute sampling periods. [40 CFR 60.335(a), (b)(2) and District Rule 4703, 5.1, 6.3.1, 6.3.2, & 6.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

8. During the performance testing, the steam or water to fuel ratio shall be monitored concurrently with each testing run to establish acceptable values and ranges. This performance data may be supplemented with engineering analyses, design specifications, manufacturer's recommendations, and other relevant information to define acceptable parametric ranges more precisely. [40 CFR 60.334(g) and 40 CFR 60.335(b)(3)] Federally Enforceable Through Title V Permit
9. The owner or operator shall be required to conform to the sampling facilities and testing procedures described in District Rule 1081, 3.0, & 6.0 (as amended 12/16/93). [District Rule 1081, 3.0 & 6.0] Federally Enforceable Through Title V Permit
10. The District must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
11. Performance testing shall be witnessed or authorized District personnel. Test results must be submitted to the District within 60 days of performance testing. [District Rule 1081, 7.2, 7.3] Federally Enforceable Through Title V Permit
12. The owner or operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2 and 4703, 6.2.4] Federally Enforceable Through Title V Permit
13. The owner or operator shall submit a semi-annual excess NO<sub>x</sub> emissions and monitor down time report to the APCO. Excess emissions shall be reported for all periods of operation, including startup, shutdown and malfunction. The report, post marked by 30th day following the end of every other calendar quarter, shall include the following: Time intervals, average steam or water to fuel ratio, turbine load, nature and the cause of excess emissions (if known), and corrective actions taken and preventive measures adopted. [40 CFR 60.334(j), (j)(5) and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. Excess emissions shall be defined as any operating hour for which steam or water to fuel ratio established during the most recent source test, as measured by continuous monitoring system, falls below established steam or water to fuel ratio. Any operating hour in which no steam or water is injected into turbine shall also be considered an excess emissions. [40 CFR 60.334(j)(1)(i)(A)] Federally Enforceable Through Title V Permit
15. Monitor downtime shall be any unit operating hour in which water or steam is injected into the turbine, but essential parametric data needed to determine the steam or water to fuel ratio are unavailable or invalid. [40 CFR 60.334(j)(1)(i)(B)] Federally Enforceable Through Title V Permit
16. Owner or operator shall maintain a stationary gas turbine system operating log that includes, on a daily basis, the actual local start-up and stop time, length and reason for reduced load periods, total hours of operation, type and quantity of fuel used. [District Rule 4703, 6.2.6] Federally Enforceable Through Title V Permit
17. Any gas turbine with an intermittently operated auxiliary burner shall demonstrate compliance with the auxiliary burner on and off. [40 CFR 60.335(b)(3) and District Rule 4703, 6.3.3] Federally Enforceable Through Title V Permit
18. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Kern County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
19. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: 40 CFR 60.332 (a)(1), (a)(2), 60.333 (b); 60.334(b), (g), (h)(3), (j), (j)(1)(i)(A), (j)(1)(i)(B), and (j)(5); 60.335(a), (b)(2), (b)(3); and District Rule 4703 (as amended 4/25/02), Sections 5.1.2.1, 5.2, 6.2.2, 6.4, and 6.2.6. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with District Rules 1081 (as amended 12/16/93), Section 3.0, 6.0, 7.1, 7.2, and 7.3 and 4201 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: SJVUAPCD Rule 4703, 6.2.2; 40 CFR 60.332 (a) and (b); 60.333(a) and (b); 60.334 (a), (b), and (c)(1); 60.335 (a), (b), (c), and (e). 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.

22. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rule 4703, sections 5.0, 5.1.1, 6.2.1, 6.2.4, 6.3, 6.4.1, 6.4.3, 6.4.5, 6.4.6. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
23. HHV and LHV of the fuel shall be determined using ASTM D3588, ASTM 1826, or ASTM 1945. [40 CFR 60.335(b) and District Rule 4703, 6.4.5] Federally Enforceable Through Title V Permit
24. Allison, Model 501, gas-fired gas turbine engine shall have a nominal heat input rating of 53 MMBTU/hr (LHV) and a maximum capability of 56 MMBTU/hr (LHV). [District NSR Rule] Federally Enforceable Through Title V Permit
25. Low pressure heat recovery steam generator with Coen duct burner shall have maximum heat input rating of 40 MMBTU/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Heat recovery steam generator shall be equipped with 20 hp auxiliary air blower to duct burner. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Steam generator shall be equipped with un-fired 0.96 MMBTU/hr Eldon heat reclaimer with circulating pump and suction blower. [District NSR Rule] Federally Enforceable Through Title V Permit
28. Gas turbine engine and duct burner shall each be equipped with continuously recording fuel flow monitors. [District NSR Rule] Federally Enforceable Through Title V Permit
29. Gas turbine engine shall be equipped with pre-combustion and post-combustion steam injection systems for NOx control. [District NSR Rule] Federally Enforceable Through Title V Permit
30. Gas turbine engine shall be equipped with continuously recording steam injection rate monitor accurate to within 5%. [District NSR Rule] Federally Enforceable Through Title V Permit
31. Gas turbine engine shall exhaust only to heat recovery steam generator. [District NSR Rule] Federally Enforceable Through Title V Permit
32. Exhaust stack shall be equipped with permanent sampling ports, platform, and access ladder facilitating collection of gas samples consistent with EPA test methods. [District NSR Rule and Rule 1081] Federally Enforceable Through Title V Permit
33. Piping to and from Eldon heat reclaimer shall be leak free and gas tight, i.e. no detectable emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
34. Eldon heat reclaimer shall vent only to turbine engine exhaust stack. [District NSR Rule] Federally Enforceable Through Title V Permit
35. Start-up and shutdown of the gas turbine, as defined in 40 CFR Subpart A 60.2, shall not exceed two hours per occurrence. [District NSR Rule] Federally Enforceable Through Title V Permit
36. Gas turbine engine steam injection rate shall be maintained at a steam-to-fuel ratio such that CO emission rate does not exceed 14.4 lb/hr, except for periods of start-up or shutdown or maintenance. [District NSR Rule] Federally Enforceable Through Title V Permit
37. Duct burner shall be fired exclusively with PUC quality or equivalent natural gas or propane. [District NSR Rule] Federally Enforceable Through Title V Permit
38. Duct burner auxiliary air shall be supplied only in sub-stoichiometric quantities. [District NSR Rule] Federally Enforceable Through Title V Permit
39. Gas turbine engine shall not be operated when steam injection system is not operating, unless steam injection shutdown is required for maintenance and does not exceed 30 minutes in one day or is during start-up or shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
40. Compliance with NOx, CO, and SOx emission limits shall be demonstrated by District-witnessed sampling by an independent laboratory annually 60 days prior to permit anniversary date, and test data/results shall be submitted within 60 days of sampling. [District NSR Rule] Federally Enforceable Through Title V Permit

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

41. Maximum emission rates on any day shall not exceed 29.76 lb of PM-10, 4.09 lb of SO<sub>4</sub>, 1.28 lb of SO<sub>2</sub>, 299.52 lb of NO<sub>x</sub>, 32.88 lb of VOCs, and 345.6 lb of CO. [District NSR Rule] Federally Enforceable Through Title V Permit
42. On any day maintenance of steam injection system is conducted or turbine start-up/shutdown occurs, permittee shall demonstrate compliance with emission limits by daily fuel usage and established emission factors for PM<sub>10</sub>, SO<sub>4</sub>, SO<sub>2</sub>, and VOC's. [District NSR Rule] Federally Enforceable Through Title V Permit
43. On any day maintenance of steam injection system is conducted or turbine start-up/shutdown occurs, permittee shall demonstrate compliance with emission limits by PEM calculations for NO<sub>x</sub> and CO. [District NSR Rule] Federally Enforceable Through Title V Permit
44. Particulate matter (PM-10) emissions shall not exceed 0.0133 lb/MMBtu except during periods when the steam injection system is down for maintenance or during periods of startup or shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
45. Sulfur oxides emissions as SO<sub>2</sub> shall not exceed 0.0005 lb/MMBTU. [District NSR Rule] Federally Enforceable Through Title V Permit
46. Sulfur oxides emissions as SO<sub>4</sub> shall not exceed 0.0018 lb/MMBTU. [District NSR Rule] Federally Enforceable Through Title V Permit
47. Nitrogen oxide emissions as NO<sub>2</sub> at cogeneration system exhaust shall not exceed 0.16 lb/MMBTU when gas turbine is fueled with gas and duct burner is not fueled. [District NSR Rule] Federally Enforceable Through Title V Permit
48. Nitrogen oxide emissions as NO<sub>2</sub> shall not exceed 0.13 lb/MMBTU at cogeneration system exhaust when gas turbine and duct burner are gas-fired, except when steam injection system is shutdown for maintenance and during start-up and shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
49. Volatile organic compound (VOC) emissions shall not exceed 0.0147 lb/MMBTU. [District NSR Rule] Federally Enforceable Through Title V Permit
50. Carbon monoxide (CO) emissions shall not exceed 0.1548 lb/MMBTU. [District NSR Rule] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-10-5

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

## **EQUIPMENT DESCRIPTION:**

49 HP STARCH DRYING AND BAGGING OPERATION INCLUDING 30 HP SYSTEM FAN, AUGERS, ROTARY AIR LOCK, 1.3 MMBTU/HR STEAM INPUT, VENTURI THROAT, UP/DOWN LEG DUCTS, 36" DIA. SEPARATION CYCLONE, 48" DIA. STARCH HOPPER, AND EXHAUST HEAT RECOVERY FROM BOILER S-2076-1

## **PERMIT UNIT REQUIREMENTS**

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1. Starch Dryer shall be vented only through separation cyclone. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Steam shall only be supplied by the boiler or cogeneration system. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Throughput of 12% moisture starch (final product) shall not exceed 1000 lb/hr and 24,000 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Air flow through starch dryer to cyclone shall not exceed 5,450 cfm. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate (PM-10) emissions shall not exceed 0.70 lb/hr and 0.015 grains/dscf. [District NSR Rule and District Rule 4201] Federally Enforceable Through Title V Permit
6. Emissions shall be measured by District-witnessed sample collection annually, and official test/field data shall be submitted within 60 days of sampling. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
7. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 4201 and 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
9. Operator shall perform source testing for Particulate matter emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
10. Permittee shall maintain hourly records of starch throughput and shall make such records available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Permittee shall monitor and record quarterly the cyclone air flow rate. [District Rule 1070 and 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. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-11-6

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

240 BHP CUMMINS MODEL N855F (SERIAL #11267431) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed either of the following limits: 14.00 g-NOx/bhp-hr or 0.87 g-VOC/bhp-hr. [District Rule 2201, and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: Kern County Rule 407. A permit shield is granted from these requirements. [Kern County Rule 407] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-12-6

**EXPIRATION DATE:** 06/30/2014

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

240 BHP CUMMINS MODEL N855F (SERIAL #11215797) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed either of the following limits: 14.00 g-NOx/bhp-hr or 0.87 g-VOC/bhp-hr. [District Rule 2201, and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
6. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520, 9.3.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.3.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-15-4

**EXPIRATION DATE:** 06/30/2014

**EQUIPMENT DESCRIPTION:**

CORN RECEIVING AND STORAGE OPERATION INCLUDING: PNEUMATIC RAILCAR RECEIVING AND TRANSFER SYSTEM, ONE 300,000 AND TWO 500,000 LB STORAGE SILOS WITH FABRIC FILTERS, AND CORN CLEANER WITH FABRIC FILTER

## PERMIT UNIT REQUIREMENTS

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1. All corn received at plant shall be pre-cleaned prior to delivery. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Corn Transfer system shall be covered or fully enclosed during normal operation. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Inspection hatches on conveying equipment shall remain closed at all times except as required for normal maintenance procedures. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Corn receiving rate shall not exceed 100,000 lb/hr, and particulate matter (PM-10) emission rate shall not exceed 0.01 lb/ton of corn received. [District NSR Rule] Federally Enforceable Through Title V Permit
5. If visible emissions from exhaust vents to the atmosphere exceed 5% opacity, compliance testing for Particulate Matter emissions limits shall be demonstrated by District-witnessed sample collection by an independent laboratory, and field data/official results shall be submitted within 30 days of collection. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Permittee shall maintain hourly records of amount of corn received, and such records shall be available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. All equipment shall be maintained in good operation condition and shall be operated in a manner to minimize emission of air contaminants into the atmosphere. [District Rule 4102 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 and 4202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
11. Dust collector filters shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced 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. 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
14. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 & District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-16-4

**EXPIRATION DATE:** 06/30/2014

**EQUIPMENT DESCRIPTION:**

FLOUR RECEIVING AND STORAGE OPERATION INCLUDING TRUCK LOADOUT, ENCLOSED PNEUMATIC TRANSFER SYSTEM, AND FOUR 26,280 GALLON STORAGE SILOS WITH SOCK FABRIC FILTERS

## PERMIT UNIT REQUIREMENTS

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1. Pneumatic flour conveyor(s) and all transfer points shall be covered or fully enclosed during normal operation. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Inspection hatches on conveying equipment shall remain closed at all times except as required for normal operating procedures. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Flour loading shall not exceed 35,000 lb/hr, and particulate matter (PM-10) emission rate shall not exceed 0.01 gr/scf. [District NSR Rule and District Rule 4201] Federally Enforceable Through Title V Permit
4. If visible emissions from exhaust vents to the atmosphere exceed 5% opacity, compliance testing for Particulate Matter emissions shall be demonstrated by District-witnessed sample collection by an independent laboratory, and field data/official results shall be submitted within 30 days of collection. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. All equipment shall be maintained in good operation condition and shall be operated in a manner to minimize emission of air contaminants into the atmosphere. [District Rule 4102 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 and 4202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Dust collector filters shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. 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
11. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Permittee shall maintain hourly records of amount of flour received, and such records shall be made available for District 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. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 & District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-17-6

**EXPIRATION DATE:** 06/30/2014

**EQUIPMENT DESCRIPTION:**

BAKED LINE #1 INCLUDING A 9.56 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN, 10 MMBTU/HR NATURAL GAS-FIRED PRIMARY DRYER, STEAM HEATED FRYER WITH OIL MIST ELIMINATOR AND AMBIENT AIR COOLER

## PERMIT UNIT REQUIREMENTS

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1. All burners shall be fired exclusively on PUC-regulated natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Particulate matter (PM-10) emissions from the ambient air cooler shall not exceed 0.19 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate matter (PM-10) emissions from the fryer shall not exceed 0.40 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from the baking oven shall not exceed any of the following: PM-10 - 0.12 lb/hr; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.03 lb/hr; NO<sub>x</sub> (as NO<sub>2</sub>) - 0.97 lb/hr; CO - 2.84 lb/hr; or VOC - 0.05 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Emissions from the primary dryer shall not exceed any of the following: PM-10 - 0.14 lb/hr; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.03 lb/hr; NO<sub>x</sub> (as NO<sub>2</sub>) - 1.40 lb/hr; CO - 3.00 lb/hr; or VOC - 0.03 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
9. Compliance with fryer emission limit shall be demonstrated by District witnessed sample collection within 60 days of startup and not less than once every two years thereafter. [District Rules 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
10. Source testing to demonstrate compliance with NO<sub>x</sub> and CO emission limits of the baking oven and primary dryer shall be conducted within 60 days of startup, and not less than once every 12 months thereafter, except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Source testing to demonstrate compliance with NO<sub>x</sub> and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
12. If permittee fails any compliance demonstration for NO<sub>x</sub> and CO emission limits when testing not less than once every 36 months, compliance with NO<sub>x</sub> and CO emission limits shall be demonstrated not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit

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

13. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
14. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
16. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Particulates - EPA Method 5 (TSP) or EPA Method 201A (PM10), Stack gas velocity - EPA Method 1, Stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and Stack gas moisture - EPA Method 4. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
17. Stack gas volume of individual exhaust stacks shall be determined using EPA Reference Method 2. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
18. Permittee shall maintain daily records of type and volume of fuel burned, and such records shall be available for District inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4801. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
20. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 & District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-18-5

**EXPIRATION DATE:** 06/30/2014

**EQUIPMENT DESCRIPTION:**

BAKED LINE #2 INCLUDING 20.0 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN AND 6.0 MMBTU/HR NATURAL GAS-FIRED FINISHING DRYER

## PERMIT UNIT REQUIREMENTS

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1. All burners shall be fired exclusively on natural gas. [District NSR Rule] 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. Emissions from the baking oven shall not exceed any of the following: PM-10 - 0.28 lb/hr; SOx (as SO<sub>2</sub>) - 0.02 lb/hr; NOx (as NO<sub>2</sub>) - 2.80 lb/hr; CO - 3.00 lb/hr; or VOC - 0.06 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Emissions from the finishing dryer shall not exceed any of the following: PM-10 - 0.07 lb/hr; SOx (as SO<sub>2</sub>) - 0.01 lb/hr; NOx (as NO<sub>2</sub>) - 0.60 lb/hr; CO - 0.66 lb/hr; or VOC - 0.03 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
6. Source testing to demonstrate compliance with NOx and CO emission limits of the baking oven and finishing dryer shall be conducted not less than once every 12 months, except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
8. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
11. 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

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

12. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Particulates - EPA Method 5 (TSP) or EPA Method 201A (PM<sub>10</sub>), Stack gas velocity - EPA Method 1, Stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and Stack gas moisture - EPA Method 4. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
13. Stack gas volume of individual exhaust stacks shall be determined using EPA Reference Method 2. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
14. Permittee shall maintain daily records of type and volume of fuel burned, and such records shall be available for District inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4801, Kern County Rule 108.1. 404, 404.1, and 407. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 & District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-19-13

**EXPIRATION DATE:** 06/30/2014

**EQUIPMENT DESCRIPTION:**

PRETZEL LINE #2 INCLUDING 7.3 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN, 4.0 MMBTU/HR NATURAL GAS-FIRED COATER/DRYING OVEN VENTED TO CYCLONE AND BAGHOUSE, 1.25 MMBTU/HR NATURAL GAS-FIRED FINISHING OVEN, 5370 CFM AMBIENT AIR COOLER, AND DUST COLLECTION SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. Fuel use flowmeter(s) shall be installed to measure daily fuel consumption of coater/dryer and finishing oven. [District NSR Rule] Federally Enforceable Through Title V Permit
2. All burners shall be fired exclusively on PUC-regulated natural gas. [District NSR Rule and District Rule 4801] Federally Enforceable Through Title V Permit
3. Combined natural gas consumption of coater/dryer and finishing oven shall not exceed 60 MMBtu/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Coater/dryer baghouse shall be maintained and operated per manufacturer specifications to ensure proper and efficient operation. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Only PTFE membrane cartridges meeting or exceeding original equipment manufacturer specifications shall be utilized as filter media in coater/dryer baghouse. [District Rule 2010] Federally Enforceable Through Title V Permit
7. Total emissions from baking oven shall not exceed any of the following: PM-10 - 0.088 lb/hr; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.007 lb/hr; NO<sub>x</sub> (as NO<sub>2</sub>) - 0.730 lb/hr; VOC - 0.037 lb/hr; or CO - 10.000 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Emissions from finishing oven shall not exceed any of the following: PM-10 - 0.012 lb/MMBtu; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.001 lb/MMBtu; NO<sub>x</sub> (as NO<sub>2</sub>) - 0.100 lb/MMBtu; VOC - 0.005 lb/MMBtu; or CO - 350 ppmv @ 15% O<sub>2</sub>. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Emissions from coater/dryer burner shall not exceed any of the following: PM-10 - 0.012 lb/MMBtu; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.001 lb/MMBtu; NO<sub>x</sub> (as NO<sub>2</sub>) - 0.100 lb/MMBtu; VOC - 0.005 lb/MMBtu; or CO - 350 ppmv @ 15% O<sub>2</sub>. [District NSR Rule] Federally Enforceable Through Title V Permit
10. PM-10 emissions from coater/dryer baghouse shall not exceed 0.15 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
11. PM-10 emissions from ambient air cooler shall not exceed 0.06 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
13. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] 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. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 1081] Federally Enforceable Through Title V Permit
15. Compliance with NO<sub>x</sub> and CO emission limits of baking oven, finishing oven and coater/dryer burner shall be demonstrated by District-witnessed sample collection by an independent laboratory in every odd-numbered year, and test results and field data shall be submitted within 60 days of collection. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
16. Compliance with PM<sub>10</sub> emission limit of coater/dryer baghouse exhaust, and PM<sub>10</sub> emission limit of air cooler shall be demonstrated by District-witnessed sample collection by an independent laboratory in every odd-numbered year, and test results and field data shall be submitted within 30 days of collection. [District Rules 1081, District NSR Rule] Federally Enforceable Through Title V Permit
17. Compliance testing on the baking oven shall be performed on this unit within 60 days if test results document that S-2076-20 baking oven is out of compliance. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit
18. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Particulates - EPA Method 5 (TSP) or EPA Method 201A (PM<sub>10</sub>), Stack gas velocity - EPA Method 1, Stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and Stack gas moisture - EPA Method 4. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
19. Stack gas volume of individual baking oven stacks shall be determined using EPA Reference Method 2. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
20. Pretzel Lines #1 (S-2076-20) and #2 (S-2076-19) shall be vented to the DUST-HOG vacuum system, which controls particulate matter emissions from baking, bagging, and weighing operations. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Visible emissions from the DUST-HOG vacuum system 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
22. Replacement filter cartridges for the DUST-HOG vacuum system numbering at least 10% of the total number of filter cartridges shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
23. The DUST-HOG vacuum system cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
24. The DUST-HOG vacuum system shall be equipped with a pressure differential gauge to indicate the pressure drop across the filter cartridges. 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
25. Material removed from the DUST-HOG vacuum system shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Permittee shall maintain daily records of volume of fuel consumed in coater/dryer and finishing oven, and such records shall be available for District inspection upon request. [District Rules 1070 and District NSR Rule] Federally Enforceable Through Title V Permit
27. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
28. Permittee shall monitor and record the DUST-HOG vacuum system differential pressure quarterly. [District Rule 1070 & District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. All records required by this permit shall be maintained for a period of five years and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
30. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4202, 4801. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-20-10

**EXPIRATION DATE:** 06/30/2014

**SECTION:** NW20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

PRETZEL LINE #1 INCLUDING 7.3 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN AND DUST COLLECTION SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. All burners shall be fired exclusively on PUC-regulated natural gas. [District NSR Rule and District Rule 4801] Federally Enforceable Through Title V Permit
2. Fuel use flowmeter shall be installed to measure daily fuel consumption of 7.3 MMBtu/hr baking oven. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Natural gas consumption of baking oven shall not exceed 115,200 scf/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Total emissions from baking oven shall not exceed any of the following: PM-10 - 0.088 lb/hr; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.007 lb/hr; NO<sub>x</sub> (as NO<sub>2</sub>) - 0.730 lb/hr; VOC - 0.037 lb/hr; or CO - 10.000 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
7. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
8. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Compliance with NO<sub>x</sub> and CO emission limits of baking oven shall be demonstrated by District-witnessed sample collection by an independent laboratory within 60 days of start-up, or as submitted and approved by the APCO, and test results and field data shall be submitted within 30 days of collection. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
10. Compliance with NO<sub>x</sub> and CO emission limits in the preceding condition shall be performed by District-witnessed sample collection in every even-numbered year. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Compliance testing on the baking oven shall be performed on this unit within 60 days if test results document that S-2076-19 baking oven is out of compliance. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit

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



12. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Stack gas velocity - EPA Method 1, Stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and Stack gas moisture - EPA Method 4. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
13. Stack gas volume of individual baking oven stacks shall be determined using EPA Reference Method 2. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
14. Visible emissions from the DUST-HOG vacuum system 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
15. Replacement filter cartridges for the DUST-HOG vacuum system numbering at least 10% of the total number of filter cartridges shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The DUST-HOG vacuum system cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
17. The DUST-HOG vacuum system shall be equipped with a pressure differential gauge to indicate the pressure drop across the filter cartridges. 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
18. Material removed from the DUST-HOG vacuum system shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Permittee shall maintain daily records of the volume of fuel consumed in the baking oven, and such records shall be available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. All records required by this permit shall be maintained for a period of five years and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
22. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4202, 4801, Kern County Rule 108.1. 404, 404.1, 405, and 407. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-21-12

EXPIRATION DATE: 06/30/2014

## EQUIPMENT DESCRIPTION:

10.7 MMBTU/HR TORTILLA CHIP LINE, INCLUDING: PRE-COOKER, 9.56 MMBTU/HR NATURAL GAS-FIRED OVEN, FRYER, SEASONER, AND AIR COOLER

## PERMIT UNIT REQUIREMENTS

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1. De-oiler shall be served by Heat & Control oil mist eliminator (with minimum PM10 control efficiency of 50%), and air cooler shall be served by Heat & Control high velocity dust filters (with minimum PM10 control efficiency of 70%). [District NSR Rule] Federally Enforceable Through Title V Permit
2. Visible emissions from seasoner shall not exceed 0% opacity to the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Tortilla chip production rate shall not exceed 3,300 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Only PUC-regulated natural gas with sulfur content not exceeding 0.2 gr/100 scf and propane with sulfur content not to exceed 15.4 gr/100 scf shall be used as fuel for oven and dryer. [District NSR Rule and District Rule 4801] Federally Enforceable Through Title V Permit
6. Propane shall only be used as backup fuel during periods of non-voluntary natural gas curtailment. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Maximum propane consumption in dryer and oven shall not exceed 14,530 gallons per calendar quarter without prior District approval. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Particulate matter (PM10) emission rates shall not exceed the following: 0.40 lb/hr from fryer, 0.30 lb/hr from de-oiler, and 0.16 lb/hr from air cooler. [District NSR Rule] Federally Enforceable Through Title V Permit
9. When fired on natural gas, emission rates from oven exhaust shall not exceed any of the following: PM10: 0.012 lb/MMBtu, NOx (as NO2): 0.058 lb/MMBtu, VOC: 0.005 lb/MMBtu or CO: 0.292 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
10. When fired on natural gas, emission rates from dryer exhaust shall not exceed any of the following: PM10: 0.012 lb/MMBtu, NOx (as NO2): 0.100 lb/MMBtu, VOC: 0.005 lb/MMBtu or CO: 0.021 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
11. When fired on propane, emission rates from oven exhaust shall not exceed any of the following: PM10: 0.012 lb/MMBtu, NOx (as NO2): 0.151 lb/MMBtu, VOC: 0.005 lb/MMBtu or CO: 0.021 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
12. When fired on propane, emission rates from dryer exhaust shall not exceed any of the following: PM10: 0.012 lb/MMBtu, NOx (as NO2): 0.151 lb/MMBtu, VOC: 0.005 lb/MMBtu or CO: 0.021 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit

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

13. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
14. Source testing for NOx and CO shall be conducted within 60 days of startup, and not less than once every 12 months, except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Source testing for NOx and CO shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
16. If permittee fails any test for NOx and CO when testing not less than once every 36 months, tests for NOx and CO shall performed not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Source testing shall be performed by a District witnessed, or authorized, sample collection by an ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
18. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
19. 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
20. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rule 1081 and District NSR Rule] Federally Enforceable Through Title V Permit
21. Permittee shall maintain accurate records of propane consumption (in gal/qtr), and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4202, 4801. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
23. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
25. Permittee shall determine the sulfur content of natural gas quarterly using ASTM method D 1072, D 3031, D 4084 or D 3246 or maintain copies of natural gas bills with supplier sulfur content data. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
26. Permittee shall maintain daily records of tortilla chip production and shall make such records available for district inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
27. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 & District Rule 2520, 9.4.2] 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

Expired Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: S-2076-0-2

EXPIRATION DATE: 06/30/2009

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)] 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: FRITO-LAY NORTH AMERICA INC  
Location: 22801 HIGHWAY 58, BAKERSFIELD, CA 93314

S-2076-0-2: Apr 13 2010 4:06PM - SRANK

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(6/15/95) [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 (12/17/92), 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 County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit, or apply any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards of District Rule 4601, Table 1 (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 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. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/92). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining 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] Federally Enforceable Through Title V Permit
30. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of District Rule 8031 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and 8011] Federally Enforceable Through Title V Permit
34. 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
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit 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: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed 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 (11/15/01); 4601, sections 5.1, 5.2, 5.3, 5.8, and 8.0 (11/15/01); 8021 (11/15/01); 8031 (11/15/01); 8041 (11/15/01); 8061 (11/15/01); and 8071 (11/15/01). 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 January 13th 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

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



# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-1-15

EXPIRATION DATE: 06/30/2009

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

72 MMBTU/HR NATURAL GAS-FIRED BOILER #1 WITH A NATCOM ULTRA LOW NOX BURNER AND FLUE GAS RECIRCULATION

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The boiler shall be fired on PUC quality natural gas or propane. [District NSR Rule and District Rule 4305] Federally Enforceable Through Title V Permit
3. Burner shall be equipped with fuel volume flowrate monitor/recorder for propane usage. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grain/dscf, calculated to 12% CO<sub>2</sub>, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
5. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed 0.011 lb NO<sub>x</sub>/MMBtu or 9 ppmv. [District NSR Rule, District Rules 4305, 5.1, 4306, 5.1, and 4351, 5.2 and the subsumed District Rule 4301] Federally Enforceable Through Title V Permit
6. Natural gas and propane fired emission rate shall not exceed any of the following: PM<sub>10</sub>: 0.014 lb/MMBtu, SO<sub>x</sub> (as SO<sub>2</sub>): 0.00285 lb/MMBtu, CO: 0.075 lb/MMBtu or 100 ppmv, or VOC: 0.003 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. In-stack O<sub>2</sub> monitors are acceptable for O<sub>2</sub> measurement. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 5.4 and 4306, 5.4] Federally Enforceable Through Title V Permit
8. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100 (amended December 17, 1992), 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 and 4306, 5.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 5.4 and 4306, 5.4] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 6.1 and 4306, 6.1] Federally Enforceable Through Title V Permit
11. 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. [District Rules 4305, 6.3.1, 4306, 6.3.1, and 4351, 6.3.1] Federally Enforceable Through Title V Permit
12. 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
13. 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
14. 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
15. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, stack gas moisture content - EPA Method 4, stack gas velocities - EPA Method 2. [District Rules 4305, 6.2, 4306, 6.2, 4351, 6.2] Federally Enforceable Through Title V Permit
16. The fuel higher heating value for each fuel shall be certified by a third party fuel supplier or determined annually by: ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 2520, 9.3.2; 4305, 6.2; 4306, 6.2; and 4351, 6.2] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
20. The portable analyzer shall be calibrated prior to each use with a two-point calibration method (zero and span). Calibration shall be performed with certified calibration gases. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rules 4305 and 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.

22. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rules 2520, 9.3.2 and 4305] Federally Enforceable Through Title V Permit
23. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rules 2520, 9.3.2 and 4305] Federally Enforceable Through Title V Permit
24. Operator shall monitor and record for each unit the higher heating value and cumulative annual use of each fuel. [District Rule 4351, 6.1.1] Federally Enforceable Through Title V Permit
25. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
26. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
27. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 404 (Madera) 406 (Fresno), and 407 (all six remaining counties in the San Joaquin Valley); SJVUAPCD Rule 4801. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
28. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 4201, 4301, 4305, and 4351. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
29. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rule 1081 [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
30. The requirements of 40 CFR 72.6(b) and 40 CFR 60.40c 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
31. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320]
32. Permittee shall maintain records of annual heat input (MMBtu) for this unit on a calendar year basis. Such 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 and Rule 4320]
33. On and after July 1, 2010, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contacts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-2-6

**EXPIRATION DATE:** 06/30/2009

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

236 HP POTATO CHIP LINE #1 INCLUDING FRYER VENTILATION HOOD, ANDERSEN MODEL WAV-123 SCRUBBER, SCREEN CONVEYOR, SALTER AND SEASONER

## 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 NSR Rule] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Scrubbers shall have operational differential pressure indicators. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Scrubber liquid supply (at inlet to scrubber) shall have an operational pressure indicator. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Scrubber shall be operated at a minimum of 11 in. w.c. differential pressure and shall be equipped with adjustable throat position indicator. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Scrubber particulate efficiency shall be maintained at no less than 97% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Emission rates from this unit shall not exceed 0.871 lb-PM10/ton-chips. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Daily potato chip production from this unit shall not exceed 168,000 lb-chips/day. [District NSR Rule] Federally Enforceable Through Title V Permit
10. 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. [District Rule 1081] Federally Enforceable Through Title V Permit
11. Source testing to measure PM10 emissions from this unit shall be conducted at least once every twelve (12) months in the presence of District personnel. The results of each source test shall be submitted to the District within 30 days thereafter. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Operator shall perform source testing for Particulate Matter emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
13. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
14. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 1081, 4201, 4202, and 4801. 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.

15. Permittee shall maintain daily records of potato chip production and daily records of the pressure drop across the scrubbers, and shall make such records available for district inspection upon request. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-3-7

EXPIRATION DATE: 06/30/2009

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

CORN CHIP PRODUCTION LINE #1 INCLUDING FRYING VAT WITH VENTILATION HOOD AND MIST ENTRAINMENT SEPARATOR, EXHAUST FAN, FRYER HOOD LIFT, SEASONER, FRYER FINES REMOVAL SCREEN WITH AIR CLEANING SYSTEM, AND AMBIENT AIR COOLER SERVED BY HIGH VELOCITY AIR FILTER

## PERMIT UNIT REQUIREMENTS

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1. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
2. Seasoner shall not be a source of particulate emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Corn chip fryer fines removal exhaust air shall be ducted into the fryer stack above the oil mist eliminator and below the stack damper. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Steam sparged cooker and seasoner shall not be sources of particulate emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Corn chip production shall not exceed 2500 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Corn chip fryer fines removal system shall not exceed 60 cfm. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Particulate matter (PM10) emissions from chip fryer shall not exceed 1.25 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
9. District-witnessed sample collection shall be performed in even-numbered years, alternating with Permit unit S-2076-8 (corn chip line #2 to be tested in odd-numbered years). [District NSR Rule] Federally Enforceable Through Title V Permit
10. Source testing shall be required for this unit and Permit unit S-2076-8 if test results determine either is out of compliance. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 4201, 4202, 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
12. Operator shall perform source testing for Particulate Matter emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
13. Permittee shall maintain daily records of corn chip production and shall make such records available to the District upon request. [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. The exhaust vented to the atmosphere shall be inspected quarterly while in operation for visible emissions and the results shall be recorded and made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Particulate matter (PM10) emissions from ambient air cooler shall not exceed 0.16 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Permittee shall monitor and record annually the corn chip fryer fines removal system air flow rate. [District Rules 1070 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-4-6

**EXPIRATION DATE:** 06/30/2009

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

TORTILLA CHIP LINE #1 WITH CONVEYORIZED OIL FRYER, HEAT EXCHANGER, SEASONER, 6.83 MMBTU/HR NATURAL GAS FIRED CASA HERRERA OVEN, AND ONE AMBIENT AIR COOLER SERVED BY MESH PADS EXHAUST FILTER

## PERMIT UNIT REQUIREMENTS

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1. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
2. The seasoner shall not vent emissions to the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Seasoner shall not be a source of particulate matter emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Tortilla chip production rate shall not exceed 3,500 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
6. Particulate matter emissions from fryer shall not exceed 0.7 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Compliance with fryer emission limit shall be demonstrated by District witnessed sample collection in odd numbered years, alternating with Permit Unit S-2076-5 (Tortilla Chip Line #2 to be tested in even numbered years). [District NSR Rule] Federally Enforceable Through Title V Permit
8. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Compliance with the permit condition in the Title V permit shall be deemed compliance with the following requirements: Rule 4201, 4202, and 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. Operator shall perform source testing for Particulate Matter Emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
11. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
12. Oven excess combustion air shall be maintained at no less than 10% unless continuous oxygen analyzer/controller is utilized. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Emissions from Casa Herrera oven shall not exceed any of the following: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 0.100 lb/MMBtu, VOC: 0.0055 lb/MMBtu, or CO: 223 ppmv @ 15% O2. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



14. PM10 emissions from ambient air cooler shall not exceed 0.16 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Source testing to demonstrate compliance with NOx and CO emission limits of the Casa Herrera oven shall be conducted not less than once every 12 months except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
17. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
20. The results of each source test shall be submitted to the District within 60 days thereafter. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
21. The following test methods shall be used: NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
22. Permittee shall maintain hourly records of tortilla chip production and shall make such records available for District inspection upon request for a period of five years. [District NSR Rule] Federally Enforceable Through Title V Permit
23. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-5-6

**EXPIRATION DATE:** 06/30/2009

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

TORTILLA CHIP LINE #2 WITH CONVEYORIZED OIL FRYER, HEAT EXCHANGER, SEASONER, 6.83 MMBTU/HR  
NATURAL GAS FIRED CASA HERRERA OVEN, AND ONE AMBIENT AIR COOLER SERVED BY MESH PADS  
EXHAUST FILTER

## PERMIT UNIT REQUIREMENTS

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1. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
2. The seasoner shall not vent emissions to the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Seasoner shall not be a source of particulate matter emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Tortilla chip production rate shall not exceed 3,500 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
6. Particulate matter emissions from fryer shall not exceed 0.7 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Compliance with fryer emission limit shall be demonstrated by District witnessed sample collection in even numbered years, alternating with Permit Unit S-2076-4 (Tortilla Chip Line #1 to be tested in odd numbered years). [District NSR Rule] Federally Enforceable Through Title V Permit
8. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Compliance with the permit condition in the Title V permit shall be deemed compliance with the following requirements: Rule 4201, 4202, and 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. Operator shall perform source testing for Particulate Matter Emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
11. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
12. Oven excess combustion air shall be maintained at no less than 10% unless continuous oxygen analyzer/controller is utilized. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Emissions from Casa Herrera oven shall not exceed any of the following: PM10: 0.0076 lb/MMBtu, SOx (as SO2): 0.00285 lb/MMBtu, NOx (as NO2): 0.100 lb/MMBtu, VOC: 0.0055 lb/MMBtu, or CO: 223 ppmv @ 15% O2. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. PM10 emissions from ambient air cooler shall not exceed 0.16 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Source testing to demonstrate compliance with NOx and CO emission limits of the Casa Herrera oven shall be conducted not less than once every 12 months except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
17. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
19. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
20. The results of each source test shall be submitted to the District within 60 days thereafter. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
21. The following test methods shall be used: NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
22. Permittee shall maintain hourly records of tortilla chip production and shall make such records available for District inspection upon request for a period of five years. [District NSR Rule] Federally Enforceable Through Title V Permit
23. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-6-6

EXPIRATION DATE: 06/30/2009

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

CORN RECEIVING & STORAGE OPERATION INCLUDING RAILCAR UNLOADING, SILO INFEED CONVEYOR, SILO BUCKET ELEVATOR, SILO FEED DIVERTER, 3-600,000 LB STORAGE SILOS, 3-CORN HOPPER BUCKET ELEVATORS, CARTER-DAY SCREEN MACHINE, & PULSE-JET FABRIC FILTER W/36 BAGS

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Air flow from Carter-Day screen machine shall not exceed 200 scfm. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Processed corn weight shall not exceed 6 Tons/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
4. All corn received at plant shall be precleaned prior to delivery. [District NSR Rule] Federally Enforceable Through Title V Permit
5. All corn conveyors, bucket elevators, and transfer points shall be covered or fully enclosed during normal operation. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Inspection hatches on conveying equipment shall remain closed at all times except as required for normal operating procedures. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Baghouse flowrate shall be maintained at a minimum of 3,250 scfm. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed 0.31 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
9. If visible emissions from exhaust vents to the atmosphere are detected, compliance testing with particulate emissions rate shall be performed by District-witnessed sample collection, and official results/field data shall be submitted within 30 days of collection. [District NSR Rule and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
11. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
12. All equipment shall be maintained in good operation condition and shall be operated in a manner to minimize emission of air contaminants into the atmosphere. [District Rule 4102]
13. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201 and District Rule 4202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Dust collector filters shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced 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.

15. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency 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. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. Permittee shall maintain hourly records of processed corn weight and shall make such records available to the District upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Permittee shall monitor and record annually the Carter-Day screen machine and baghouse air flow rate. [District Rules 1070 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-7-4

**EXPIRATION DATE:** 06/30/2009

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

PROCESS WASTEWATER TREATMENT FACILITY INCLUDING WASTEWATER OIL REMOVAL TANK, STARCH RECOVERY SYSTEM, SEPARATION & HOLDING TANK, PRIMARY PUMP STATION, ROTARY SCREENS, TRANSFER PUMP STATION W/4 PUMPS, 13 IRRIGATORS, & TAILWATER COLLECTION/RETURN SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Pretreatment system shall include bakery wastewater oil removal tank, starch recovery system, oil gravity separation and holding tank, primary process pump station, and rotary screens. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Treatment and disposal systems shall consist of transfer pump station with four 50 hp pumps, wastewater application system with thirteen 4 hp irrigators, tailwater collection/return system, supplemental irrigation water system, and support facilities [District NSR Rule] Federally Enforceable Through Title V Permit
4. Processed wastewater shall be collected from the snack foods plant (oily, starchy, and process water) and the bakery (process water). [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible standing process wastewater at any application site for more than 24 hours. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Tailwater runoff collection and return system shall prevent blockage and odor formation, and any runoff collected in tailwater collection pond shall be pumped out and reapplied. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall maintain accurate records of wastewater discharge volume and shall make such records available for District inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Permittee shall monitor and record daily the date, length of time, and location of visible standing water that exists at any application site. Permittee shall monitor and record daily the date of removal of the visible standing water and the identity of who removed the water.. [District Rules 1070 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-8-9

EXPIRATION DATE: 06/30/2009

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

CORN CHIP PRODUCTION LINE #2 INCLUDING FRYING VAT WITH VENTILATION HOOD AND MIST ENTRAINMENT SEPARATOR, EXHAUST FAN, HEAT EXCHANGER, CIRCULATING PUMP, TRANSFER PUMP, FRYER HOOD LIFT, SEASONER, FRYER FINES REMOVAL SCREEN WITH AIR CLEANING SYSTEM, AND AMBIENT AIR COOLER SERVED BY HIGH VELOCITY AIR FILTER

## PERMIT UNIT REQUIREMENTS

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1. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
2. Seasoner shall not be a source of particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Corn chip fryer fines removal exhaust air shall be ducted into the fryer stack above the oil mist eliminator and below the stack damper. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Steam sparged cooker and seasoner shall not be sources of particulate emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Corn chip production shall not exceed 2500 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Corn chip fryer fines removal system shall not exceed 60 cfm. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Particulate matter (PM10) emissions from chip fryer shall not exceed 1.21 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Particulate matter (PM10) emissions from ambient air cooler shall not exceed 0.16 lbs/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emission sampling shall be performed by District-witnessed sample collection in odd-numbered years, alternating with Permit No. S-2076-3 (corn chip line #1 to be tested in even-numbered years). [District NSR Rule] Federally Enforceable Through Title V Permit
11. Source testing shall be required for this unit and Permit No. S-2076-3 if test results determine either is out of compliance. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Compliance with the permit condition in the Title V permit shall be deemed compliance with the following requirements: Rule 4201, 4202, 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
13. Operator shall perform source testing for Particulate Matter emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] 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. Permittee shall maintain daily records of corn chip production and shall make such records available to the District upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
16. Permittee shall monitor and record annually the corn chip fryer fines removal system air flow rate. [District Rules 1070 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-9-9

EXPIRATION DATE: 06/30/2009

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

COGENERATION FACILITY INCLUDING ALLISON 6.0 MW 53 MMBTU/HR GAS-FIRED GAS TURBINE ENGINE GENERATOR SET, 40 MMBTU/HR LOW-PRESSURE HEAT RECOVERY STEAM GENERATOR WITH COEN BURNER, PRE-COMBUSTION STEAM INJECTION NOZZLE, & ELDON HEAT RECLAIMER

## PERMIT UNIT REQUIREMENTS

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1. The owner or operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation, the fuel consumption and the ratio of water to fuel being fired in the turbine. [40 CFR 60.334(a) and District Rule 4703, 6.2.2] Federally Enforceable Through Title V Permit
2. This unit shall be fired exclusively on natural gas as defined in 40 CFR 60.331(u) which has a total sulfur content of less than or equal to 1.0 gr/100 scf. [40 CFR 60.333(b), District Rule 4201, Kern County Rule 407] Federally Enforceable Through Title V Permit
3. The owner or operator shall not operate the gas turbine under load conditions, excluding the thermal stabilization period or reduced load period, which results in the measured NO<sub>x</sub> emissions concentration exceeding 35 ppmv @ 15% O<sub>2</sub>. [40 CFR 60.332(a)(1), (a)(2) and District Rule 4703, 5.1.2.1] Federally Enforceable Through Title V Permit
4. The owner or operator shall not operate the gas turbine under load conditions, excluding the thermal stabilization period or reduced load period, which results in the measured CO emissions concentration exceeding 200 ppmv @ 15% O<sub>2</sub>. [District Rule 4703, 5.2] Federally Enforceable Through Title V Permit
5. Reduced Load Period shall be defined as the time during which a gas turbine is operated at less than rated capacity in order to change the position of the exhaust gas diverter gate not exceeding one hour. [District Rule 4703, 3.19] Federally Enforceable Through Title V Permit
6. Thermal Stabilization Period shall be defined as the start up or shut down time during which the exhaust gas is not within the normal operating temperature range, not to exceed two hours [District Rule 4703, 3.25] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
8. The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, a tariff sheet or transportation contract or (ii) monitored weekly using ASTM Methods D4084, D5504, D6228, or Gas Processors Association Standard 2377. If sulfur content is less than 1.0 gr/100 scf for 8 consecutive weeks, then the Monitoring frequency shall be every six (6) months. If any six (6) month monitoring show an exceedance, weekly monitoring shall resume. [40 CFR 60.334(h)(3) and 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.

9. Performance testing shall be conducted annually to measure NOx and CO emission concentrations using the following test methods: EPA Methods 7E or 20 for NOx emissions, EPA Methods 10 or 10B for CO emissions, EPA Methods 3, 3A, or 20 for Oxygen content of the exhaust gas. The 3-run tests shall be performed at four evenly spaced load points in the normal operating range of the gas turbine. The measured NOx concentrations shall be averaged over a three hour period, using consecutive 15-minute sampling periods. [40 CFR 60.335(a), (b)(2) and District Rule 4703, 5.1, 6.3.1, 6.3.2, & 6.4] Federally Enforceable Through Title V Permit
10. During the performance testing, the steam or water to fuel ratio shall be monitored concurrently with each testing run to establish acceptable values and ranges. This performance data may be supplemented with engineering analyses, design specifications, manufacturer's recommendations, and other relevant information to define acceptable parametric ranges more precisely. [40 CFR 60.334(g) and 40 CFR 60.335(b)(3)] Federally Enforceable Through Title V Permit
11. The owner or operator shall be required to conform to the sampling facilities and testing procedures described in District Rule 1081, 3.0, & 6.0 (as amended 12/16/93). [District Rule 1081, 3.0 & 6.0] Federally Enforceable Through Title V Permit
12. The District must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
13. Performance testing shall be witnessed or authorized District personnel. Test results must be submitted to the District within 60 days of performance testing. [District Rule 1081, 7.2, 7.3] Federally Enforceable Through Title V Permit
14. The owner or operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2 and 4703, 6.2.4] Federally Enforceable Through Title V Permit
15. The owner or operator shall submit a semi-annual excess NOx emissions and monitor down time report to the APCO. Excess emissions shall be reported for all periods of operation, including startup, shutdown and malfunction. The report, post marked by 30th day following the end of every other calendar quarter, shall include the following: Time intervals, average steam or water to fuel ratio, turbine load, nature and the cause of excess emissions (if known), and corrective actions taken and preventive measures adopted. [40 CFR 60.334(j), (j)(5) and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Excess emissions shall be defined as any operating hour for which steam or water to fuel ratio established during the most recent source test, as measured by continuous monitoring system, falls below established steam or water to fuel ratio. Any operating hour in which no steam or water is injected into turbine shall also be considered an excess emissions. [40 CFR 60.334(J)(1)(i)(A)] Federally Enforceable Through Title V Permit
17. Monitor downtime shall be any unit operating hour in which water or steam is injected into the turbine, but essential parametric data needed to determine the steam or water to fuel ratio are unavailable or invalid. [40 CFR 60.334(j)(1)(i)(B)] Federally Enforceable Through Title V Permit
18. Owner or operator shall maintain a stationary gas turbine system operating log that includes, on a daily basis, the actual local start-up and stop time, length and reason for reduced load periods, total hours of operation, type and quantity of fuel used. [District Rule 4703, 6.2.6] Federally Enforceable Through Title V Permit
19. Any gas turbine with an intermittently operated auxiliary burner shall demonstrate compliance with the auxiliary burner on and off. [40 CFR 60.335(b)(3) and District Rule 4703, 6.3.3] Federally Enforceable Through Title V Permit
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Kern County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: 40 CFR 60.332 (a)(1), (a)(2), 60.333 (b); 60.334(b), (g), (h)(3), (j), (j)(1)(i)(A), (j)(1)(i)(B), and (j)(5); 60.335(a), (b)(2), (b)(3); and District Rule 4703 (as amended 4/25/02), Sections 5.1.2.1, 5.2, 6.2.2, 6.4, and 6.2.6. 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.

22. Compliance with permit conditions in the Title V permit shall be deemed compliance with District Rules 1081 (as amended 12/16/93), Section 3.0, 6.0, 7.1, 7.2, and 7.3 and 4201 (as amended 12/17/92). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
23. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: SJVUAPCD Rule 4703, 6.2.2; 40 CFR 60.332 (a) and (b); 60.333(a) and (b); 60.334 (a), (b), and (c)(1); 60.335 (a), (b), (c), and (e). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
24. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rule 4703, sections 5.0, 5.1.1, 6.2.1, 6.2.4, 6.3, 6.4.1, 6.4.3, 6.4.5, 6.4.6. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
25. HHV and LHV of the fuel shall be determined using ASTM D3588, ASTM 1826, or ASTM 1945. [40 CFR 60.335(b) and District Rule 4703, 6.4.5] Federally Enforceable Through Title V Permit
26. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
27. Allison, Model 501, gas-fired gas turbine engine shall have a nominal heat input rating of 53 MMBTU/hr (LHV) and a maximum capability of 56 MMBTU/hr (LHV). [District NSR Rule] Federally Enforceable Through Title V Permit
28. Low pressure heat recovery steam generator with Coen duct burner shall have maximum heat input rating of 40 MMBTU/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
29. Heat recovery steam generator shall be equipped with 20 hp auxiliary air blower to duct burner. [District NSR Rule] Federally Enforceable Through Title V Permit
30. Steam generator shall be equipped with un-fired 0.96 MMBTU/hr Eldon heat reclaimer with circulating pump and suction blower. [District NSR Rule] Federally Enforceable Through Title V Permit
31. Gas turbine engine and duct burner shall each be equipped with continuously recording fuel flow monitors. [District NSR Rule] Federally Enforceable Through Title V Permit
32. Gas turbine engine shall be equipped with pre-combustion and post-combustion steam injection systems for NOx control. [District NSR Rule] Federally Enforceable Through Title V Permit
33. Gas turbine engine shall be equipped with continuously recording steam injection rate monitor accurate to within 5%. [District NSR Rule] Federally Enforceable Through Title V Permit
34. Gas turbine engine shall exhaust only to heat recovery steam generator. [District NSR Rule] Federally Enforceable Through Title V Permit
35. Exhaust stack shall be equipped with permanent sampling ports, platform, and access ladder facilitating collection of gas samples consistent with EPA test methods. [District NSR Rule and Rule 1081] Federally Enforceable Through Title V Permit
36. Piping to and from Eldon heat reclaimer shall be leak free and gas tight, i.e. no detectable emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
37. Eldon heat reclaimer shall vent only to turbine engine exhaust stack. [District NSR Rule] Federally Enforceable Through Title V Permit
38. Start-up and shutdown of the gas turbine, as defined in 40 CFR Subpart A 60.2, shall not exceed two hours per occurrence. [District NSR Rule] Federally Enforceable Through Title V Permit
39. Gas turbine engine steam injection rate shall be maintained at a steam-to-fuel ratio such that CO emission rate does not exceed 14.4 lb/hr, except for periods of start-up or shutdown or maintenance. [District NSR Rule] Federally Enforceable Through Title V Permit
40. Duct burner shall be fired exclusively with PUC quality or equivalent natural gas or propane. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

41. Duct burner auxiliary air shall be supplied only in sub-stoichiometric quantities. [District NSR Rule] Federally Enforceable Through Title V Permit
42. Gas turbine engine shall not be operated when steam injection system is not operating, unless steam injection shutdown is required for maintenance and does not exceed 30 minutes in one day or is during start-up or shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
43. Compliance with NO<sub>x</sub>, CO, and SO<sub>x</sub> emission limits shall be demonstrated by District-witnessed sampling by an independent laboratory annually 60 days prior to permit anniversary date, and test data/results shall be submitted within 60 days of sampling. [District NSR Rule] Federally Enforceable Through Title V Permit
44. Maximum emission rates on any day shall not exceed 29.76 lb of PM-10, 4.09 lb of SO<sub>4</sub>, 1.28 lb of SO<sub>2</sub>, 299.52 lb of NO<sub>x</sub>, 32.88 lb of VOCs, and 345.6 lb of CO. [District NSR Rule] Federally Enforceable Through Title V Permit
45. On any day maintenance of steam injection system is conducted or turbine start-up/shutdown occurs, permittee shall demonstrate compliance with emission limits by daily fuel usage and established emission factors for PM<sub>10</sub>, SO<sub>4</sub>, SO<sub>2</sub>, and VOC's. [District NSR Rule] Federally Enforceable Through Title V Permit
46. On any day maintenance of steam injection system is conducted or turbine start-up/shutdown occurs, permittee shall demonstrate compliance with emission limits by PEM calculations for NO<sub>x</sub> and CO. [District NSR Rule] Federally Enforceable Through Title V Permit
47. Particulate matter (PM-10) emissions shall not exceed 0.0133 lb/MMBtu except during periods when the steam injection system is down for maintenance or during periods of startup or shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
48. Sulfur oxides emissions as SO<sub>2</sub> shall not exceed 0.0005 lb/MMBTU. [District NSR Rule] Federally Enforceable Through Title V Permit
49. Sulfur oxides emissions as SO<sub>4</sub> shall not exceed 0.0018 lb/MMBTU. [District NSR Rule] Federally Enforceable Through Title V Permit
50. Nitrogen oxide emissions as NO<sub>2</sub> at cogeneration system exhaust shall not exceed 0.16 lb/MMBTU when gas turbine is fueled with gas and duct burner is not fueled. [District NSR Rule] Federally Enforceable Through Title V Permit
51. Nitrogen oxide emissions as NO<sub>2</sub> shall not exceed 0.13 lb/MMBTU at cogeneration system exhaust when gas turbine and duct burner are gas-fired, except when steam injection system is shutdown for maintenance and during start-up and shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
52. Volatile organic compound (VOC) emissions shall not exceed 0.0147 lb/MMBTU. [District NSR Rule] Federally Enforceable Through Title V Permit
53. Carbon monoxide (CO) emissions shall not exceed 0.1548 lb/MMBTU. [District NSR Rule] Federally Enforceable Through Title V Permit
54. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-10-6

**EXPIRATION DATE:** 06/30/2009

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

## **EQUIPMENT DESCRIPTION:**

49 HP STARCH DRYING OPERATION INCLUDING 30 HP SYSTEM FAN, AUGERS, ROTARY AIR LOCK, 1.3 MMBTU/HR STEAM INPUT, VENTURI THROAT, UP/DOWN LEG DUCTS, 36" DIA. SEPARATION CYCLONE, 48" DIA. STARCH HOPPER, AND BAGGING OPERATION

## **PERMIT UNIT REQUIREMENTS**

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1. Starch Dryer shall be vented only through separation cyclone. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Steam shall only be supplied by the boiler or cogeneration system. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Throughput of 12% moisture starch (final product) shall not exceed 1000 lb/hr and 24,000 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Air flow through starch dryer to cyclone shall not exceed 5,450 cfm. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate (PM-10) emissions shall not exceed 0.70 lb/hr and 0.015 grains/dscf. [District NSR Rule and District Rule 4201] Federally Enforceable Through Title V Permit
6. Emissions shall be measured by District-witnessed sample collection annually, and official test/field data shall be submitted within 30 days of sampling. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Compliance with the permit conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 4201 and 1081. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
8. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling) [District Rule 1081] Federally Enforceable Through Title V Permit
9. Operator shall perform source testing for Particulate matter emissions according to EPA Method 5, 201, or 201A. [District Rule 1081] Federally Enforceable Through Title V Permit
10. Permittee shall maintain hourly records of starch throughput and shall make such records available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
12. Permittee shall monitor and record quarterly the cyclone air flow rate. [District Rule 1070] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-11-5

**EXPIRATION DATE:** 06/30/2009

**SECTION:** 20 **TOWNSHIP:** 29S **RANGE:** 25E

**EQUIPMENT DESCRIPTION:**

240 BHP CUMMINS MODEL N855F (SERIAL #11267431) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed either of the following limits: 14.00 g-NO<sub>x</sub>/bhp-hr or 0.87 g-VOC/bhp-hr. [District Rule 2201, and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
7. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: Kern County Rule 407. A permit shield is granted from these requirements. [Kern County Rule 407] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-12-5

EXPIRATION DATE: 06/30/2009

SECTION: 20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

240 BHP CUMMINS MODEL N855F (SERIAL #11215797) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed either of the following limits: 14.00 g-NOx/bhp-hr or 0.87 g-VOC/bhp-hr. [District Rule 2201, and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 4.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4702, 6.2, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-15-3

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

CORN RECEIVING AND STORAGE OPERATION INCLUDING: PNEUMATIC RAILCAR RECEIVING AND TRANSFER SYSTEM, ONE 300,000 AND TWO 500,000 LB STORAGE SILOS WITH FABRIC FILTERS, AND CORN CLEANER WITH FABRIC FILTER

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. All corn received at plant shall be pre-cleaned prior to delivery. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Corn Transfer system shall be covered or fully enclosed during normal operation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Inspection hatches on conveying equipment shall remain closed at all times except as required for normal maintenance procedures. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Corn receiving rate shall not exceed 100,000 lb/hr, and particulate matter (PM-10) emission rate shall not exceed 0.01 lb/ton of corn received. [District NSR Rule] Federally Enforceable Through Title V Permit
6. If visible emissions from exhaust vents to the atmosphere exceed 5% opacity, compliance testing for Particulate Matter emissions limits shall be demonstrated by District-witnessed sample collection by an independent laboratory, and field data/official results shall be submitted within 30 days of collection. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall maintain hourly records of amount of corn received, and such records shall be available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
9. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
10. All equipment shall be maintained in good operation condition and shall be operated in a manner to minimize emission of air contaminants into the atmosphere. [District Rule 4102]
11. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 and 4202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
12. Dust collector filters shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced 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.

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. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-16-3

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

FLOUR RECEIVING AND STORAGE OPERATION INCLUDING TRUCK LOADOUT, ENCLOSED PNEUMATIC TRANSFER SYSTEM, AND FOUR 26,280 GALLON STORAGE SILOS WITH SOCK FABRIC FILTERS

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Pneumatic flour conveyor(s) and all transfer points shall be covered or fully enclosed during normal operation. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Inspection hatches on conveying equipment shall remain closed at all times except as required for normal operating procedures. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Flour loading shall not exceed 35,000 lb/hr, and particulate matter (PM-10) emission rate shall not exceed 0.01 gr/scf. [District NSR Rule and District Rule 4201] Federally Enforceable Through Title V Permit
5. If visible emissions from exhaust vents to the atmosphere exceed 5% opacity, compliance testing for Particulate Matter emissions shall be demonstrated by District-witnessed sample collection by an independent laboratory, and field data/official results shall be submitted within 30 days of collection. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
7. All equipment shall be maintained in good operation condition and shall be operated in a manner to minimize emission of air contaminants into the atmosphere. [District Rule 4102]
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 and 4202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. Dust collector filters shall be inspected quarterly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. 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
12. The exhaust vented to atmosphere shall be inspected quarterly during operation for visible emissions, using EPA Method 22. If visible emissions are observed, corrective action shall be taken. If visible emissions cannot be eliminated within one hour, an EPA Method 9 test shall be conducted within 24 hours. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Permittee shall maintain hourly records of amount of flour received, and such records shall be made available for District inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-17-5

EXPIRATION DATE: 06/30/2009

## EQUIPMENT DESCRIPTION:

BAKED LINE #1 INCLUDING A 9.56 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN, 10 MMBTU/HR NATURAL GAS-FIRED PRIMARY DRYER, STEAM HEATED FRYER WITH OIL MIST ELIMINATOR, AND UNCONTROLLED AIR COOLER

## PERMIT UNIT REQUIREMENTS

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1. All burners shall be fired exclusively on PUC-regulated natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Particulate matter (PM-10) emissions from the ambient air cooler shall not exceed 0.19 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Particulate matter (PM-10) emissions from the fryer shall not exceed 0.40 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from the baking oven shall not exceed any of the following: PM-10 - 0.12 lb/hr; SOx (as SO<sub>2</sub>) - 0.03 lb/hr; NOx (as NO<sub>2</sub>) - 0.95 lb/hr; CO - 2.79 lb/hr; or VOC - 0.05 lb/hr. [District Rule 2201]
7. Emissions from the primary dryer shall not exceed any of the following: PM-10 - 0.14 lb/hr; SOx (as SO<sub>2</sub>) - 0.03 lb/hr; NOx (as NO<sub>2</sub>) - 1.40 lb/hr; CO - 3.00 lb/hr; or VOC - 0.03 lb/hr. [District Rule 2201]
8. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling) [District Rule 1081] Federally Enforceable Through Title V Permit
9. Compliance with fryer emission limit shall be demonstrated by District witnessed sample collection not less than once every two years. [District Rules 1081, 2201] Federally Enforceable Through Title V Permit
10. Source testing to demonstrate compliance with NOx and CO emission limits of the baking oven and primary dryer shall be conducted not less than once every 12 months, except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
12. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
16. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Particulates - EPA Method 5 (TSP) or EPA Method 201A (PM10), Stack gas velocity - EPA Method 1, Stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and Stack gas moisture - EPA Method 4. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
17. Stack gas volume of individual exhaust stacks shall be determined using EPA Reference Method 2. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
18. Permittee shall maintain daily records of type and volume of fuel burned, and such records shall be available for District inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4801. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
20. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-18-4

EXPIRATION DATE: 06/30/2009

**EQUIPMENT DESCRIPTION:**

BAKED LINE #2 INCLUDING 20.0 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN AND 6.0 MMBTU/HR NATURAL GAS-FIRED FINISHING DRYER

## PERMIT UNIT REQUIREMENTS

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1. All burners shall be fired exclusively on natural gas. [District NSR Rule] 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. Emissions from the baking oven shall not exceed any of the following: PM-10 - 0.28 lb/hr; SOx (as SO2) - 0.02 lb/hr; NOx (as NO2) - 2.80 lb/hr; CO - 3.00 lb/hr; or VOC - 0.06 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Emissions from the finishing dryer shall not exceed any of the following: PM-10 - 0.07 lb/hr; SOx (as SO2) - 0.01 lb/hr; NOx (as NO2) - 0.60 lb/hr; CO - 0.66 lb/hr; or VOC - 0.03 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling) [District Rule 1081] Federally Enforceable Through Title V Permit
6. Source testing to demonstrate compliance with NOx and CO emission limits of the baking oven and finishing dryer shall be conducted not less than once every 12 months, except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit
8. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
10. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
11. 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

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

12. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Particulates - EPA Method 5 (TSP) or EPA Method 201A (PM<sub>10</sub>), Stack gas velocity - EPA Method 1, Stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and Stack gas moisture - EPA Method 4. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
13. Stack gas volume of individual exhaust stacks shall be determined using EPA Reference Method 2. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
14. Permittee shall maintain daily records of type and volume of fuel burned, and such records shall be available for District inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4801, Kern County Rule 108.1. 404, 404.1, and 407. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2076-19-12

**EXPIRATION DATE:** 06/30/2009

**EQUIPMENT DESCRIPTION:**

PRETZEL LINE #2 INCLUDING 7.3 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN, 4.0 MMBTU/HR NATURAL GAS-FIRED COATER/DRYING OVEN VENTED TO CYCLONE AND BAGHOUSE, 1.25 MMBTU/HR NATURAL GAS-FIRED FINISHING OVEN, 5370 CFM AMBIENT AIR COOLER, AND DUST COLLECTION SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. Fuel use flowmeter(s) shall be installed to measure daily fuel consumption of coater/dryer and finishing oven. [District NSR Rule] Federally Enforceable Through Title V Permit
2. All burners shall be fired exclusively on PUC-regulated natural gas. [District NSR Rule and District Rule 4801] Federally Enforceable Through Title V Permit
3. Combined natural gas consumption of coater/dryer and finishing oven shall not exceed 60 MMBtu/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Coater/dryer baghouse shall be maintained and operated per manufacturer specifications to ensure proper and efficient operation. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Only PTFE membrane cartridges meeting or exceeding original equipment manufacturer specifications shall be utilized as filter media in coater/dryer baghouse. [District Rule 2010] Federally Enforceable Through Title V Permit
7. Total emissions from baking oven shall not exceed any of the following: PM-10 - 0.088 lb/hr; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.007 lb/hr; NO<sub>x</sub> (as NO<sub>2</sub>) - 0.730 lb/hr; VOC - 0.037 lb/hr; or CO - 10.000 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Emissions from finishing oven shall not exceed any of the following: PM-10 - 0.012 lb/MMBtu; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.001 lb/MMBtu; NO<sub>x</sub> (as NO<sub>2</sub>) - 0.100 lb/MMBtu; VOC - 0.005 lb/MMBtu; or CO - 350 ppmv @ 15% O<sub>2</sub>. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Emissions from coater/dryer burner shall not exceed any of the following: PM-10 - 0.012 lb/MMBtu; SO<sub>x</sub> (as SO<sub>2</sub>) - 0.001 lb/MMBtu; NO<sub>x</sub> (as NO<sub>2</sub>) - 0.100 lb/MMBtu; VOC - 0.005 lb/MMBtu; or CO - 350 ppmv @ 15% O<sub>2</sub>. [District NSR Rule] Federally Enforceable Through Title V Permit
10. PM-10 emissions from coater/dryer baghouse shall not exceed 0.15 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
11. PM-10 emissions from ambient air cooler shall not exceed 0.06 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
13. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] 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. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 1081] Federally Enforceable Through Title V Permit
15. Compliance with NO<sub>x</sub> and CO emission limits of baking oven, finishing oven and coater/dryer burner shall be demonstrated by District-witnessed sample collection by an independent laboratory in every odd-numbered year, and test results and field data shall be submitted within 30 days of collection. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
16. Compliance with PM<sub>10</sub> emission limit of coater/dryer baghouse exhaust, and PM<sub>10</sub> emission limit of air cooler shall be demonstrated by District-witnessed sample collection by an independent laboratory in every odd-numbered year, and test results and field data shall be submitted within 30 days of collection. [District Rules 1081, District NSR Rule] Federally Enforceable Through Title V Permit
17. Compliance testing on the baking oven shall be performed on this unit within 60 days if test results document that S-2076-20 baking oven is out of compliance. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit
18. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Particulates - EPA Method 5 (TSP) or EPA Method 201A (PM<sub>10</sub>), Stack gas velocity - EPA Method 1, Stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and Stack gas moisture - EPA Method 4. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
19. Stack gas volume of individual baking oven stacks shall be determined using EPA Reference Method 2. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
20. Pretzel Lines #1 (S-2076-20) and #2 (S-2076-19) shall be vented to the DUST-HOG vacuum system, which controls particulate matter emissions from baking, bagging, and weighing operations. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Visible emissions from the DUST-HOG vacuum system 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
22. Replacement filter cartridges for the DUST-HOG vacuum system numbering at least 10% of the total number of filter cartridges shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
23. The DUST-HOG vacuum system cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
24. The DUST-HOG vacuum system shall be equipped with a pressure differential gauge to indicate the pressure drop across the filter cartridges. 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
25. Material removed from the DUST-HOG vacuum system shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Permittee shall maintain daily records of volume of fuel consumed in coater/dryer and finishing oven, and such records shall be available for District inspection upon request. [District Rules 1070, District NSR Rule] Federally Enforceable Through Title V Permit
27. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
28. Permittee shall monitor and record the DUST-HOG vacuum system differential pressure quarterly. [District Rule 1070] Federally Enforceable Through Title V Permit
29. All records required by this permit shall be maintained for a period of five years and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
30. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4202, 4801. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-20-9

EXPIRATION DATE: 06/30/2009

SECTION: NW20 TOWNSHIP: 29S RANGE: 25E

## EQUIPMENT DESCRIPTION:

PRETZEL LINE #1 INCLUDING 7.3 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN AND DUST COLLECTION SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. All burners shall be fired exclusively on PUC-regulated natural gas. [District NSR Rule and District Rule 4801] Federally Enforceable Through Title V Permit
2. Fuel use flowmeter shall be installed to measure daily fuel consumption of 7.3 MMBtu/hr baking oven. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Natural gas consumption of baking oven shall not exceed 115,200 scf/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Total emissions from baking oven shall not exceed any of the following: PM-10 - 0.088 lb/hr; SOx (as SO2) - 0.007 lb/hr; NOx (as NO2) - 0.730 lb/hr; VOC - 0.037 lb/hr; or CO - 10.000 lbs/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
7. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
8. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Compliance with NOx and CO emission limits of baking oven shall be demonstrated by District-witnessed sample collection by an independent laboratory within 60 days of start-up, or as submitted and approved by the APCO, and test results and field data shall be submitted within 30 days of collection. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
10. Compliance with NOx and CO emission limits in the preceding condition shall be performed by District-witnessed sample collection in every even-numbered year. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Compliance testing on the baking oven shall be performed on this unit within 60 days if test results document that S-2076-19 baking oven is out of compliance. Test results and field data shall be submitted within 30 days of sample collection. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, NO<sub>x</sub> (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, Stack gas velocity - EPA Method 1, Stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and Stack gas moisture - EPA Method 4. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
13. Stack gas volume of individual baking oven stacks shall be determined using EPA Reference Method 2. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
14. Visible emissions from the DUST-HOG vacuum system 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
15. Replacement filter cartridges for the DUST-HOG vacuum system numbering at least 10% of the total number of filter cartridges shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The DUST-HOG vacuum system cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
17. The DUST-HOG vacuum system shall be equipped with a pressure differential gauge to indicate the pressure drop across the filter cartridges. 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
18. Material removed from the DUST-HOG vacuum system shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Permittee shall maintain daily records of the volume of fuel consumed in the baking oven, and such records shall be available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. All records required by this permit shall be maintained for a period of five years and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
22. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4202, 4801, Kern County Rule 108.1. 404, 404.1, 405, and 407. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2076-21-11

EXPIRATION DATE: 06/30/2009

**EQUIPMENT DESCRIPTION:**

9.6 MMBTU/HR TORTILLA CHIP LINE #3, INCLUDING: 9.56 MMBTU/HR OVEN, FRYER, SEASONER AND AIR COOLER

## PERMIT UNIT REQUIREMENTS

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1. Fryer shall be served by Heat & Control oil mist eliminator (with minimum PM10 control efficiency of 50%). [District NSR Rule] Federally Enforceable Through Title V Permit
2. Visible emissions from seasoner shall not exceed 0% opacity to the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Tortilla chip production rate shall not exceed 3,300 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Only PUC-regulated natural gas with sulfur content not exceeding 1.0 gr/100 scf and propane with sulfur content not to exceed 15.4 gr/100 scf shall be used as fuel for oven. [District NSR Rule and District Rule 4801] Federally Enforceable Through Title V Permit
6. Propane shall only be used as backup fuel during periods of non-voluntary natural gas curtailment. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Maximum propane consumption in oven shall not exceed 14,530 gallons per calendar quarter without prior District approval. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emissions from the fryer shall not exceed 0.40 pound per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
9. When fired on natural gas, emission rates from oven exhaust shall not exceed any of the following: PM10: 0.012 lb/MMBtu, NOx (as NO2): 0.058 lb/MMBtu, VOC: 0.005 lb/MMBtu or CO: 0.292 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
10. When fired on propane, emission rates from oven exhaust shall not exceed any of the following: PM10: 0.012 lb/MMBtu, NOx (as NO2): 0.151 lb/MMBtu, VOC: 0.005 lb/MMBtu or CO: 0.021 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
12. Source testing for NOx and CO shall be conducted not less than once every 12 months, except as provided below. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Source testing for NOx and CO shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District NSR Rule] Federally Enforceable Through Title V Permit

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

14. If permittee fails any test for NOx and CO when testing not less than once every 36 months, tests for NOx and CO shall performed not less than once every 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Source testing shall be performed by a District witnessed, or authorized, sample collection by an ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
16. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
17. 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
18. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rule 1081, District NSR Rule] Federally Enforceable Through Title V Permit
19. Permittee shall maintain accurate records of propane consumption (in gal/yr), and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
20. Compliance with the conditions in the Title V permit shall be deemed compliance with the following requirements: Rule 1081, 4201, 4801, Kern County Rule 108.1, 404, 404.1, and 407. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
21. Particulate Matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation  $E=3.59^{0.62}$  ( $P<30$  tons/hr) or  $E=17.31^{0.16}$  ( $P>30$  tons/hr). [District Rule 4202] Federally Enforceable Through Title V Permit
22. Permittee shall maintain copies of natural gas bills which shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
23. The exhaust vented to the atmosphere shall be inspected quarterly while in operation for visible emissions and the results shall be recorded and made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records of tortilla chip production and shall make such records available for district inspection upon request. [District Rule 2520, 9.4.2] 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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<b>Permit#</b>	<b>Equipment Description</b>
S-2076-1-15	72 MMBTU/HR NATURAL GAS-FIRED BOILER #1 WITH A NATCOM ULTRA LOW NOX BURNER AND FLUE GAS RECIRCULATION
S-2076-2-6	236 HP POTATO CHIP LINE #1 INCLUDING FRYER VENTILATION HOOD, ANDERSEN MODEL WAV-123 SCRUBBER, SCREEN CONVEYOR, SALTER AND SEASONER
S-2076-3-7	CORN CHIP PRODUCTION LINE #1 INCLUDING FRYING VAT WITH VENTILATION HOOD AND MIST ENTRAINMENT SEPARATOR, EXHAUST FAN, FRYER HOOD LIFT, SEASONER, FRYER FINES REMOVAL SCREEN WITH AIR CLEANING SYSTEM, AND AMBIENT AIR COOLER SERVED BY HIGH VELOCITY AIR FILTER
S-2076-4-6	TORTILLA CHIP LINE #1 WITH CONVEYORIZED OIL FRYER, HEAT EXCHANGER, SEASONER, 6.83 MMBTU/HR NATURAL GAS FIRED CASA HERRERA OVEN, AND ONE AMBIENT AIR COOLER SERVED BY MESH PADS EXHAUST FILTER
S-2076-5-6	TORTILLA CHIP LINE #2 WITH CONVEYORIZED OIL FRYER, HEAT EXCHANGER, SEASONER, 6.83 MMBTU/HR NATURAL GAS FIRED CASA HERRERA OVEN, AND ONE AMBIENT AIR COOLER SERVED BY MESH PADS EXHAUST FILTER
S-2076-6-6	CORN RECEIVING & STORAGE OPERATION INCLUDING RAILCAR UNLOADING, SILO INFEEED CONVEYOR, SILO BUCKET ELEVATOR, SILO FEED DIVERTER, 3-600,000 LB STORAGE SILOS, 3-CORN HOPPER BUCKET ELEVATORS, CARTER-DAY SCREEN MACHINE, & PULSE-JET FABRIC FILTER W/36 BAGS
S-2076-7-4	PROCESS WASTEWATER TREATMENT FACILITY INCLUDING WASTEWATER OIL REMOVAL TANK, STARCH RECOVERY SYSTEM, SEPARATION & HOLDING TANK, PRIMARY PUMP STATION, ROTARY SCREENS, TRANSFER PUMP STATION W/4 PUMPS, 13 IRRIGATORS, & TAILWATER COLLECTION/RETURN SYSTEM
S-2076-8-9	CORN CHIP PRODUCTION LINE #2 INCLUDING FRYING VAT WITH VENTILATION HOOD AND MIST ENTRAINMENT SEPARATOR, EXHAUST FAN, HEAT EXCHANGER, CIRCULATING PUMP, TRANSFER PUMP, FRYER HOOD LIFT, SEASONER, FRYER FINES REMOVAL SCREEN WITH AIR CLEANING SYSTEM, AND AMBIENT AIR COOLER SERVED BY HIGH VELOCITY AIR FILTER
S-2076-9-9	COGENERATION FACILITY INCLUDING ALLISON 6.0 MW 53 MMBTU/HR GAS-FIRED GAS TURBINE ENGINE GENERATOR SET, 40 MMBTU/HR LOW-PRESSURE HEAT RECOVERY STEAM GENERATOR WITH COEN BURNER, PRE-COMBUSTION STEAM INJECTION NOZZLE, & ELDON HEAT RECLAIMER
S-2076-10-6	49 HP STARCH DRYING OPERATION INCLUDING 30 HP SYSTEM FAN, AUGERS, ROTARY AIR LOCK, 1.3 MMBTU/HR STEAM INPUT, VENTURI THROAT, UP/DOWN LEG DUCTS, 36" DIA. SEPARATION CYCLONE, 48" DIA. STARCH HOPPER, AND BAGGING OPERATION
S-2076-11-5	240 BHP CUMMINS MODEL N855F (SERIAL #11267431) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP
S-2076-12-5	240 BHP CUMMINS MODEL N855F (SERIAL #11215797) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP
S-2076-15-3	CORN RECEIVING AND STORAGE OPERATION INCLUDING: PNEUMATIC RAILCAR RECEIVING AND TRANSFER SYSTEM, ONE 300,000 AND TWO 500,000 LB STORAGE SILOS WITH FABRIC FILTERS, AND CORN CLEANER WITH FABRIC FILTER
S-2076-16-3	FLOUR RECEIVING AND STORAGE OPERATION INCLUDING TRUCK LOADOUT, ENCLOSED PNEUMATIC TRANSFER SYSTEM, AND FOUR 26,280 GALLON STORAGE SILOS WITH SOCK FABRIC FILTERS
S-2076-17-5	BAKED LINE #1 INCLUDING A 9.56 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN, 10 MMBTU/HR NATURAL GAS-FIRED PRIMARY DRYER, STEAM HEATED FRYER WITH OIL MIST ELIMINATOR, AND UNCONTROLLED AIR COOLER
S-2076-18-4	BAKED LINE #2 INCLUDING 20.0 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN AND 6.0 MMBTU/HR NATURAL GAS-FIRED FINISHING DRYER
S-2076-19-12	PRETZEL LINE #2 INCLUDING 7.3 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN, 4.0 MMBTU/HR NATURAL GAS-FIRED COATER/DRYING OVEN VENTED TO CYCLONE AND BAGHOUSE, 1.25 MMBTU/HR NATURAL GAS-FIRED FINISHING OVEN, 5370 CFM AMBIENT AIR COOLER, AND DUST COLLECTION SYSTEM
S-2076-20-9	PRETZEL LINE #1 INCLUDING 7.3 MMBTU/HR NATURAL GAS-FIRED BAKING OVEN AND DUST COLLECTION SYSTEM
S-2076-21-11	9.6 MMBTU/HR TORTILLA CHIP LINE #3, INCLUDING: 9.56 MMBTU/HR OVEN, FRYER, SEASONER AND AIR COOLER



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# ATTACHMENT D

## Current District Rule SIP Comparison

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

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
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.
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 containers 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>	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.
5.0 Requirements	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 X.		
	<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>	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>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 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</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.

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>5.2.8 Wood preservatives            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>specialty coating categories 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 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.            5.3.2 A coating included in an approved Averaging Program that does not comply with the specified limit in the</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 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>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>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>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 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>5.7 Coatings Not Listed in the Table of Standards 1 or the Table of Standards 2: For any coating that does not meet 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>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>5.8 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</p>	<p>---</p>	<p>This section has been removed. The operation is required to meet the lacquer VOC limit regardless of</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	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.		temperature and humidity. Therefore, non-SIP version of rule is as stringent as SIP version
	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.	---	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.
	---	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 effective on January 1, 2011) shall be considered in compliance with this rule.	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.
6.0 Administrative Requirements	Table of Standards (See Attachment X for Table)	Table of Standards 1 (Effective through 12/31/10) (See Attachment X for Table)	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.
6.0 Administrative Requirements		Table of Standards 2 (Effective on and after 1/1/11) (See Attachment X for Table)	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.
6.0 Administrative Requirements	6.1 Labeling Requirements: Each manufacturer of any architectural coating subject to this rule shall display the information listed in Sections	6.1 Labeling Requirements: Each manufacturer of any architectural coating subject to this rule shall display the	The non-SIP approved rule contain sections listed in the SIP rule plus

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>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 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</p>	<p>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 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</p>	<p>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>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>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 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>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<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 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 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>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</p>	<p>Until December 31, 2010 both versions of the rule have the same reporting requirements. After that date the non-SIP 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>6.2.4.2 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>6.2.5 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>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 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,</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>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> <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 the VOC definition.</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. 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 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</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 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</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>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 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—</p>	<p>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, <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>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>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 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>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 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</i></p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p><i>Federal Regulations (CFR) part 60, "Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings" (see Section 6.3.2).</i></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 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</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>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> <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	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		No change in the requirements, 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
	<p>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, Section 8.2 through 8.14 are not listed.</p>		

District Rule 4601 was amended (12/17/2009). 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.



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# ATTACHMENT E

## Facility Comments/District Responses

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**Frito-Lay, Inc. comments on  
Title V Permit Renewal District Facility #S-2076  
Project # 1090001**

In response to the comments received on May 25, 2010 from Frito-Lay District has come to following conclusions. Following are the responses to comments made by facility after reviewing the draft Title V permit.

1. The correct physical and mailing address is – 28801 Highway 58

**District Response:** The physical and mailing address has been corrected in the District records.

2. Draft Permits 1-14 and 10-5 do not include in the Equipment Description sections a description of boiler waste heat from permit 1-14 supplying the air dryer in permit 10-5.

**District Response:** The equipment descriptions for both permit units have been updated to describe that waste heat recovery from unit -1-14 is being used starch dryer permit unit -10-5.

3. Permit 4-7,

- a. Equipment Description, oven Btu/Hr should be 6.83 due to recent ATC, vice 6.9
- b. Condition # 12, there is a new SO<sub>2</sub> limit of 0.0006 lb/MMBtu, the current limit is 0.00285 lb/MMBtu.

**District Response:** The Btu/hr rating in the equipment description has been updated and SO<sub>x</sub> emission limit in the condition 12 has been corrected to 0.00285 lb/MMBtu.

4. Permit 5-6,

- c. Equipment Description, oven Btu/Hr should be 6.83 due to recent ATC, vice 6.9
- d. Condition # 12, there is a new SO<sub>2</sub> limit of 0.0006 lb/MMBtu, the current limit is 0.00285 lb/MMBtu.

**District Response:** The Btu/hr rating in the equipment description has been updated and SO<sub>x</sub> emission limit in the condition 12 has been corrected to 0.00285 lb/MMBtu.

5. Permit 17-6,

- e. Equipment Description, oven Btu/Hr should be 9.56 due to recent ATC, vice 9.73
- f. Conditions # 6 and 7, there is a new SO<sub>2</sub> limit of 0.01 lb/Hr, the current limit is 0.03 lb/Hr.

**District Response:** The Btu/hr rating in the equipment description has been updated and SOx emission limit in the conditions 6 and 7 has been corrected to state 0.03 lb/Hr.

6. Permit 21-12,

- g. Equipment Description, oven Btu/Hr should be 9.56 due to recent ATC, vice 9.7
- h. Equipment Description includes "DE-OILER, 0.5 MMBTU/HR DRYER, 0.5 MMBTU/HR HEATED CONVEYOR", this Equipment was removed per ATC 21-9 in 2004.

**District Response:** The Btu/hr rating in the equipment description has been updated and reference to "DE-OILER, 0.5 MMBTU/HR DRYER, 0.5 MMBTU/HR HEATED CONVEYOR" has also been removed.

7. Numerous permits require submittal of source test results to the District within 30 days. District Rule 1081, Requirement 7.3 states "source test reports must be submitted to the District within 60 days of completion of field testing." Having to submit test results within 30 days means that we have to pay an expediting fee to our source testing firm for each report. Request that our requirements conform to Rule 1081. Permits affected are;

- 2-8 condition 10
- 3-8 condition 10
- 4-7 condition 8
- 5-7 condition 8
- 10-5 condition 6
- 19-13 condition 15

**District Response:** The District has removed or updated conditions requiring submittal of source test results within 30 days of completion of field testing. All test report submittals are now required within 60 days of completion of field testing as per section 7.3 of District Rule 1081.