



AUG 16 2017

Mr. Larry Wanamaker  
Elk Corporation of Texas  
6200 Zerker Road  
Shafter, CA 93263

**Re: Notice of Preliminary Decision – Title V Permit Renewal  
District Facility # S-2033  
Project # S-1161119**

Dear Mr. Wanamaker:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Elk Corporation of Texas at 6200 Zerker Road, Shafter, California.

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

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,

Arnaud Marjollet  
Director of Permit Services

Enclosures

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

Seyed Sadredin  
Executive Director/Air Pollution Control Officer

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

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

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

# **TITLE V PERMIT RENEWAL EVALUATION**

Asphalt Felts and Coating

**Engineer:** William Jones

**Date:** 8/11/17

**Facility Number:** S-2033

**Facility Name:** Elk Corporation of Texas

**Mailing Address:** 6200 Zerker Road, Shafter CA 93263

**Contact Name:** Larry Wanamaker

**Phone:** (661) 7391-3955

**Responsible Official:** Larry Wanamaker

**Title:** Manager of Technical Services

**Project # :** S-1161119

**Deemed Complete:** 4/6/16

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## **I. PROPOSAL**

Elk Corporation of Texas (GAF) was issued a Title V permit on 12/31/12. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

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

## **II. FACILITY LOCATION**

GAF's facility is located at 6200 Zerker Road in Bakersfield, CA.

### III. EQUIPMENT LISTING

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

### IV. GENERAL PERMIT TEMPLATE USAGE

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

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

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

### V. SCOPE OF EPA AND PUBLIC REVIEW

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

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

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

Conditions 1 through 40 of the requirements for permit unit S-2033-0-2 are from template SJV-UM-0-3.

### VI. FEDERALLY ENFORCEABLE REQUIREMENTS

#### A. New Rules and Rules Updated Since November 29, 2012

- District Rule 2020, Exemptions, (amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended February 18, 2016)

- 40 CFR Part 82, Subparts B and F, Stratospheric Ozone (amended 11/18/16)
- 40 CFR Part 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (amended Feb. 27, 2014)

**B. Rules Not Updated Since November 29, 2012**

- District Rule 1070, Inspections December 17, 1992
- District Rule 1080, Stack Monitoring (Amended December 17, 1992)
- District Rule 1081, Source Sampling (Amended December 16, 1993)
- District Rule 1100, Equipment Breakdown December 17, 1992
- District Rule 1160, Emission Statements November 18, 1992
- District Rule 2010, Permits Required (Amended December 17, 1992)
- District Rule 2031, Transfer Of Permits (Amended December 17, 1992)
- District Rule 2070, Standards For Granting Applications (Amended December 17, 1992)
- District Rule 2080, Conditional Approval (Amended December 17, 1992)
- District Rule 2410, Prevention Of Significant Deterioration June 16, 2011
- District Rule 2520, Federally Mandated Operating Permits (Amended June 21, 2001 )
- District Rule 4001, New Source Performance Standards (Amended April 14, 1999)
- District Rule 4101, Visible Emissions (Amended February 17, 2005)
- District Rule 4201, Particulate Matter Concentration (Amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate (Amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment (Amended December 17, 1992)
- District Rule 4305, Boilers, Steam Generators, And Process Heaters - Phase 2 August 21, 2003
- District Rule 4306, Boilers, Steam Generators, And Process Heaters - Phase 3 October 16, 2008
- District Rule 4309, Dryers, Dehydrators, And Ovens (Adopted December 15, 2005)
- District Rule 4601, Architectural Coatings December 17, 2009
- District Rule 4623, Storage Of Organic Liquids May 19, 2005
- District Rule 4801, Sulfur Compounds (Amended December 17, 1992)
- District Rule 8011, General Requirements August 19, 2004
- District Rule 8021, Construction, Demolition Excavation, Extraction, And Other Earthmoving Activities August 19, 2004
- District Rule 8031, Bulk Materials August 19, 2004

- District Rule 8041, Carryout And Trackout August 19, 2004
- District Rule 8051, Open Areas August 19, 2004
- District Rule 8061, Paved And Unpaved Roads August 19, 2004
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas September 16, 2004
- 40 CFR Part 64, Compliance Assurance Monitoring (Cam)

## 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:

- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 4102, Nuisance (amended December 17, 1992)

## 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 last Title V renewal permit.

### A. District Rule 2020 - Exemptions

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any effect 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. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit.

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

These regulations apply to servicing motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC). Sections of this regulation were amended in 2013, and condition 27, 28 of S-2033-0-2 assure compliance with the requirements.

**D. 40 CFR Part 60 Subpart UU—Standards Of Performance For Asphalt Processing And Asphalt Roofing Manufacture**

This subpart was amended 2/27/14 and applies to (a) The affected facilities to which this subpart applies are each saturator and each mineral handling and storage facility at asphalt roofing plants; and each asphalt storage tank and each blowing still at asphalt processing plants, petroleum refineries, and asphalt roofing plants.

(b) Any saturator or mineral handling and storage facility under paragraph (a) of this section that commences construction or modification after November 18, 1980, is subject to the requirements of this subpart. Any asphalt storage tank or blowing still that processes and/or stores asphalt used for roofing only or for roofing and other purposes, and that commences construction or modification after November 18, 1980, is subject to the requirements of this subpart.

Any asphalt storage tank or blowing still that processes and/or stores only nonroofing asphalts and that commences construction or modification after May 26, 1981, is subject to the requirements of this subpart.

The requirements of the section are as follows:

(a) On and after the date on which §60.8(b) requires a performance test to be completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any saturator:

(1) Particulate matter in excess of:

- (i) 0.04 kg/Mg (0.08 lb./ton) of asphalt shingle or mineral-surfaced roll roofing produced, or
  - (ii) 0.4 kg/Mg (0.8 lb./ton) of saturated felt or smooth-surfaced roll roofing produced;
- (2) Exhaust gases with opacity greater than 20 percent; and
- (3) Any visible emissions from a saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes. Saturators that were constructed before November 18, 1980, and that have not been reconstructed since that date and that become subject to these standards through modification are exempt from the visible emissions standard. Saturators that have been newly constructed or reconstructed since November 18, 1980 are subject to the visible emissions standard.
- (b) On and after the date on which §60.8(b) requires a performance test to be completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any blowing still:
- (1) Particulate matter in excess of 0.67 kg/Mg (1.3 lb./ton) of asphalt charged to the still when a catalyst is added to the still; and
  - (2) Particulate matter in excess of 0.71 kg/Mg (1.4 lb./ton) of asphalt charged to the still when a catalyst is added to the still and when No. 6 fuel oil is fired in the afterburner; and
  - (3) Particulate matter in excess of 0.60 kg/Mg (1.2 lb./ton) of asphalt charged to the still during blowing without a catalyst; and
  - (4) Particulate matter in excess of 0.64 kg/Mg (1.3 lb./ton) of asphalt charged to the still during blowing without a catalyst and when No. 6 fuel oil is fired in the afterburner; and
  - (5) Exhaust gases with an opacity greater than 0 percent unless an opacity limit for the blowing still when fuel oil is used to fire the afterburner has been established by the Administrator in accordance with the procedures in §60.474(g).
- (c) Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any asphalt storage tank exhaust gases with opacity greater than 0 percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. The control device shall not

be bypassed during this 15-minute period. If, however, the emissions from any asphalt storage tank(s) are ducted to a control device for a saturator, the combined emissions shall meet the emission limit contained in paragraph (a) of this section during the time the saturator control device is operating. At any other time the asphalt storage tank(s) must meet the opacity limit specified above for storage tanks.

- (d) Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any mineral handling and storage facility emissions with opacity greater than 1 percent.

**S-2033-1-4: BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #1**

The following conditions will remain on the permit to ensure continued compliance:

9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201] Y
10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb. per ton of materials received. [District Rule 2201 and 40 CFR 60.472] Y

**S-2033-2-4: BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #2**

The following conditions will remain on the permit to ensure continued compliance:

8. There shall be no visible emissions greater than 0% opacity from mineral handling and storage facility, including unloading hoppers, conveyors, transfer points, and storage silos. [District Rule 2201 and 40 CFR 60.472] Y
9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Y



10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of materials received. [District Rule 2201] Y

**S-2033-3-4: GRANULES RECEIVING AND STORAGE OPERATION**

The following conditions will remain on the permit to ensure continued compliance:

9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Y
10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.000056 lb. per ton of materials received. [District Rule 2201] Y

**S-2033-5-3: PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION**

The following conditions will remain on the permit to ensure continued compliance:

6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Y
7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Y
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb. per ton of filler material received. [District Rule 2201] Y

**S-2033-6-3: PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION**

The following conditions will remain on the permit to ensure continued compliance:

6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Y

7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Y
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of filler material received. [District Rule 2201] Y

S-2033-7-3: PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

The following conditions will remain on the permit to ensure continued compliance:

6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Y
7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Y
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of filler material received. [District Rule 2201] Y

S-2033-8-7: FILLER HEATING OPERATION WITH A FILLER RECEIVING BIN AND TWO HOT BINS SERVED BY DUST COLLECTOR (DC-7) WHIRL AIR FLOW MODEL 1300-120 BIN VENT FILTER (SHARED BY S-2033-9), AND DUST COLLECTOR (DC-5) ULTRA INDUSTRIES MODEL BB 256-120 (SHARED BY S-2033-9); THERMAL FLUID HEAT FROM TWO HEATERS (S-2033-13 AND S-2033-14) SERVED BY FAN DUST COLLECTOR (DC-8) ULTRA INDUSTRIES MODEL BB 16-58-III G; ROTARY FEEDERS; AND METERING SCREW CONVEYORS FEEDING CONTINUOUS MIXERS

The following conditions will remain on the permit to ensure continued compliance:

9. There shall be no visible emissions greater than 0% opacity from mineral conveying, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Y

S-2033-9-12: ASPHALT ROOFING SHINGLE MANUFACTURING OPERATION INCLUDING UNWIND STAND, DRY FELT LOOPER SERVED

BY DUST COLLECTOR (DC-4) ULTRA INDUSTRIES MODEL BD 400-120 III; DISTRIBUTION HOPPER, CONVEYORS, BUCKET ELEVATORS, USE BINS, DISTRIBUTOR, BACK SURFACING/GRANULES APPLICATOR, SERVED BY DUST COLLECTOR DC-5 (LISTED ON S-2033-8); BACK SURFACING FINES HOPPER SERVED BY DUST COLLECTOR (DC-6) ULTRA INDUSTRIES MODEL BBX 6-58-IIG; COOLING DRUMS AND FINISHED PRODUCT LOOPER

The following conditions will remain on the permit to ensure continued compliance:

5. There shall be no visible emissions greater than 5% opacity from cooling drums, finished product looper, and exhaust gas of dust collectors. [District Rule 2201] Y
6. There shall be no visible emissions greater than 0% opacity from mineral conveying, handling, and storage. [District Rule 2201] Y
7. Visible emissions from dust collectors DC-4, DC-5, and DC-6 serving the asphalt roofing shingle manufacturing operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Y

S-2033-10-7: ASPHALT RECEIVING AND STORAGE OPERATION INCLUDING ONE 20,000 GALLON RECEIVING TANK, TWO 16,000 GALLON STORAGE TANKS, AND THREE 90,000 GALLON STORAGE TANKS

The following conditions will remain on the permit to ensure continued compliance:

4. Visible emissions shall not exceed 0% opacity except for one consecutive 15-minute period in any 24-hour period when clearing transfer lines. [District Rule 2201 and 40 CFR 60.472] Y

S-2033-12-12: ASPHALT ROOFING SHINGLE COATING OPERATION WITH MACHINE LINE FUME COLLECTION SYSTEM VENTED TO HIGH VELOCITY AIR FILTER (FCS-1)

The following conditions will remain on the permit to ensure continued compliance:

11. Visible emissions shall not exceed 1/4 Ringelmann or 5% opacity. [District Rule 2201] Y

12. Particulate matter emissions shall not exceed 0.08 lb./ton of asphalt shingle produced. [40 CFR 60.472] Y

## **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.

Conditions 39 and 40 on the proposed permit S-1234-0-2 are existing permit shields granted to the facility.

## **X. PERMIT CONDITIONS**

See Attachment A - Draft Renewed Title V Operating Permit.

## **XI. ATTACHMENTS**

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

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: S-2033-0-2

EXPIRATION DATE: 04/30/2017

## FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010 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, 2080; and 2520] 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] 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] 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: ELK CORP OF TEXAS  
Location: 6200 ZERKER RD, SHAFTER, CA 93283  
S-2033-0-2: Aug 10 2017 9:01AM - JONESBY

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] 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, and 1100] 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] 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] 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] 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] 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] 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] 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] 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] 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] 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] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601] 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] 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] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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



36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520] 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] 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] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
43. On December 31, 2012, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-1-4

EXPIRATION DATE: 04/30/2017

**EQUIPMENT DESCRIPTION:**

BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #1

## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include unloading hopper, feed conveyor, bucket elevator, and transfer conveyor shared between S-2033-1 & S-2033-2. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include one 6000 cu. ft. storage silo #1 served by Ultra Industries model BB 144-120 III dust collector DC-3 with 13000 cfm, 40 hp fan (shared between S-2033-1 through S-2033-3). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All conveyors and bucket elevators shall be enclosed and emissions from all transfer points shall be vented to dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
8. There shall be no visible emissions greater than 0% opacity from mineral handling and storage facility, including unloading hoppers, conveyors, transfer points, and storage silos. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of materials received. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
11. Total facility back surfacing fines received shall not exceed 500 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Source testing to demonstrate compliance with emission rate shall be conducted within 60 days of detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070] Federally Enforceable Through Title V Permit

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

13. The 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 APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Materials removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
17. Permittee shall maintain accurate daily records of facility back surfacing fines received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-2-4

EXPIRATION DATE: 04/30/2017

**EQUIPMENT DESCRIPTION:**

BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #2

## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include unloading hopper, feed conveyor, bucket elevator, and transfer conveyor shared between S-2033-1 & S-2033-2. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include one 6000 cu. ft. storage silo #2 served by Ultra Industries model BB 144-120 III dust collector DC-3 with 13000 cfm, 40 hp fan (shared between S-2033-1 through S-2033-3). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All conveyors and bucket elevators shall be enclosed and emissions from all transfer points shall be vented to dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
8. There shall be no visible emissions greater than 0% opacity from mineral handling and storage facility, including unloading hoppers, conveyors, transfer points, and storage silos. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of materials received. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Total facility back surfacing fines received shall not exceed 500 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Source testing to demonstrate compliance with emission rate shall be conducted within 60 days of detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070] Federally Enforceable Through Title V Permit

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

13. The 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 APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Materials removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
17. Permittee shall maintain accurate daily records of facility back surfacing fines received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-3-4

EXPIRATION DATE: 04/30/2017

EQUIPMENT DESCRIPTION:  
GRANULES RECEIVING AND STORAGE OPERATION

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## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include two sets of unloading hopper, feed conveyor, bucket elevator, and transfer conveyor for colored granules and head lap granules. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include twenty 6000 cu. ft. storage silos served by Ultra Industries model BB 144-120 III dust collector DC-3 with 13000 cfm, 40 hp fan (shared between S-2033-1, '-2 & '-3). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All conveyors and bucket elevators shall be enclosed and emissions from all transfer points shall be vented to dust collector during operation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. There shall be no visible emissions greater than 0% opacity from mineral handling and storage facility, including unloading hoppers, conveyors, transfer points, and storage silos. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.000056 lb per ton of materials received. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Total facility granule materials received shall not exceed 2000 tons/day of colored granules and 2078 tons/day of head lap granules without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Compliance source testing with PM10 emission rate shall be demonstrated within 60 days upon detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070]
13. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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14. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
17. Permittee shall maintain accurate daily records of facility granule materials received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-5-3

EXPIRATION DATE: 04/30/2017

EQUIPMENT DESCRIPTION:  
PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

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## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include one 17,140 cu. ft. filler storage silo #2 served by Ultra Industries model BBX 66-58-IIG dust collector DC-1A with 2150 cfm, 7.5 hp fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of filler material received. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total facility filler material received shall not exceed 1598 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Compliance source testing with PM10 emission rate shall be demonstrated within 60 days upon detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070]
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070]
12. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Ultra Industries model BBX 66-58-IIG dust collector DC-1A shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit

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

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15. Ultra Industries model BBX 66-58-IIG dust collector DC-1A shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 15.0 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
16. During each day of operation, the permittee shall record the differential pressure of the Ultra Industries model BBX 66-58-IIG dust collector DC-1A and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
18. Fabric collection system of Ultra Industries model BBX 66-58-IIG dust collector DC-1A shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Ultra Industries model BBX 66-58-IIG dust collector DC-1A filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Visible emissions from Ultra Industries model BBX 66-58-IIG dust collector DC-1A shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
21. Records of Ultra Industries model BBX 66-58-IIG dust collector DC-1A filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
22. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
23. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
24. Permittee shall maintain accurate daily records of facility filler material received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-6-3

EXPIRATION DATE: 04/30/2017

EQUIPMENT DESCRIPTION:  
PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

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## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include one 17,140 cu. ft. filler storage silo #3 served by Ultra Industries model BBX 66-58-IIG dust collector DC-2 with 2150 cfm, 7.5 hp fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of filler material received. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total facility filler material received shall not exceed 1598 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Compliance source testing with PM10 emission rate shall be demonstrated within 60 days upon detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070]
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070]
12. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Ultra Industries model BBX 66-58-IIG dust collector DC-2 shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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15. Ultra Industries model BBX 66-58-IIG dust collector DC-2 shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 15 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
16. During each day of operation, the permittee shall record the differential pressure of the Ultra Industries model BBX 66-58-IIG dust collector DC-2 and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
18. Fabric collection system of Ultra Industries model BBX 66-58-IIG dust collector DC-2 shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Ultra Industries model BBX 66-58-IIG dust collector DC-2 filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Visible emissions from Ultra Industries model BBX 66-58-IIG dust collector DC-2 shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
21. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
22. Records of Ultra Industries model BBX 66-58-IIG dust collector DC-2 filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
23. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
24. Permittee shall maintain accurate daily records of facility filler material received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-7-3

EXPIRATION DATE: 04/30/2017

**EQUIPMENT DESCRIPTION:**

PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

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## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include one 17,140 cu. ft. filler storage silo #4 served by Ultra Industries model BBX 66-58-IIG dust collector DC-2A with 2150 cfm, 7.5 hp fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of filler material received. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total facility filler material received shall not exceed 1598 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Compliance source testing with PM10 emission rate shall be demonstrated within 60 days upon detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070]
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070]
12. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Ultra Industries model BBX 66-58-IIG dust collector DC-2A shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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15. Ultra Industries model BBX 66-58-IIG dust collector DC-2A shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 15 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
16. During each day of operation, the permittee shall record the differential pressure of the Ultra Industries model BBX 66-58-IIG dust collector DC-2A and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. Fabric collection system of Ultra Industries model BBX 66-58-IIG dust collector DC-2A shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Ultra Industries model BBX 66-58-IIG dust collector DC-2A filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Visible emissions from Ultra Industries model BBX 66-58-IIG dust collector DC-2A shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
20. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
21. Records of Ultra Industries model BBX 66-58-IIG dust collector DC-2A filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
22. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
23. Permittee shall maintain accurate daily records of facility filler material received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-8-7

EXPIRATION DATE: 04/30/2017

SECTION: 15 TOWNSHIP: 28S RANGE: 26E

## EQUIPMENT DESCRIPTION:

FILLER HEATING OPERATION WITH A FILLER RECEIVING BIN AND TWO HOT BINS SERVED BY DUST COLLECTOR (DC-7) WHIRL AIR FLOW MODEL 1300-120 BIN VENT FILTER(SHARED BY S-2033-9), AND DUST COLLECTOR (DC-5) ULTRA INDUSTRIES MODEL BB 256-120 (SHARED BY S-2033-9); THERMAL FLUID HEAT FROM TWO HEATERS (S-2033-13 AND S-2033-14) SERVED BY FAN DUST COLLECTOR (DC-8) ULTRA INDUSTRIES MODEL BB 16-58-IIIIG; ROTARY FEEDERS; AND METERING SCREW CONVEYORS FEEDING CONTINUOUS MIXERS

## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
6. 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
7. Dust collectors shall be maintained and operated according to manufacturers' recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
8. All conveyors shall be enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 0% opacity from mineral conveying, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
10. Visible emissions from dust collectors DC-5, DC-7 and DC-10 serving the filler heating operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Maximum particulate matter (PM10) emission rate from dust collector DC-5, DC-7, and DC-10 shall not exceed 0.00027 lb per ton of filler material processed. [District Rule 2201] Federally Enforceable Through Title V Permit

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

12. Total facility filler material process rate shall not exceed 1141 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Compliance source testing with PM10 emission rate(s) shall be demonstrated within 60 days upon detection of visible emissions greater than 5% opacity from the dust collector(s) exhaust. [District Rule 1070]
14. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070] Federally Enforceable Through Title V Permit
15. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
18. Flash dryer shall combust natural gas only with a sulfur content not exceeding 1 gr S/100 scf. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Emissions from the flash drying operation shall not exceed any of the following limits: 0.0076 lb-PM10/MMBtu, 42 ppmv CO @ 19% O2, or 0.0055lb-VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
20. Emissions from the flash dryer shall not exceed 2.1 ppmv NOx @ 19% O2 or such higher value as approved by the District based on source test and monitoring results obtained during the 12 month period after initial source test of the flash dryer. In no case shall the emissions from the flash dryer exceed 4.3 ppmv NOx @ 19% O2. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Within 12 months of the initial source test, GAF shall prepare and submit to the District a report identifying measured NOx emissions established through source testing and monthly monitoring. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Final NOx emissions limit from the flash dryer shall be no less than 2.1 ppmv @ 19% O2 and no greater than 4.3 ppmv @ 19% O2. The District shall establish the final NOx limit within 90 days of receipt of the GAF report. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The permittee shall monitor and record the stack concentration of NOX, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
24. If either the NOX or CO concentrations corrected to 19% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. 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 Rule 4309] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of: (1) the date and time of NOX, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOX and CO concentrations corrected to 19% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4309] Federally Enforceable Through Title V Permit
27. 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 4309. [District Rule 4309] Federally Enforceable Through Title V Permit
28. 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 Rule 4309] Federally Enforceable Through Title V Permit
29. 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 Rule 4309] Federally Enforceable Through Title V Permit.
30. NOX emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
31. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
32. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
33. Source testing to measure NOx and CO emissions from this unit shall be conducted within 60 days of initial start-up and at least once every 24 months thereafter. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
34. All test results for NOx and CO shall be reported in ppmv @ 19% O2, corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
35. Permittee shall maintain accurate daily records of filler material process rate. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
36. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-9-12

EXPIRATION DATE: 04/30/2017

SECTION: 15 TOWNSHIP: 28S RANGE: 26E

## EQUIPMENT DESCRIPTION:

ASPHALT ROOFING SHINGLE MANUFACTURING OPERATION INCLUDING UNWIND STAND, DRY FELT LOOPER SERVED BY DUST COLLECTOR (DC-4) ULTRA INDUSTRIES MODEL BD 400-120 III; DISTRIBUTION HOPPER, CONVEYORS, BUCKET ELEVATORS, USE BINS, DISTRIBUTOR, BACK SURFACING/GRANULES APPLICATOR, SERVED BY DUST COLLECTOR DC-5 (LISTED ON S-2033-8); BACK SURFACING FINES HOPPER SERVED BY DUST COLLECTOR (DC-6) ULTRA INDUSTRIES MODEL BBX 6-58-IIG; COOLING DRUMS AND FINISHED PRODUCT LOOPER

## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Dust collectors shall be maintained and operated according to manufacturers' recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All conveyors and bucket elevators shall be enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions greater than 5% opacity from cooling drums, finished product looper, and exhaust gas of dust collectors. [District Rule 2201] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions greater than 0% opacity from mineral conveying, handling, and storage. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Visible emissions from dust collectors DC-4, DC-5, and DC-6 serving the asphalt roofing shingle manufacturing operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Maximum particulate matter (PM10) emission rate from dust collector DC-4 shall not exceed 0.02 lb per ton of glass mat processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Maximum particulate matter (PM10) emission rate from dust collector DC-5 shall not exceed 0.0002 lb per ton of asphalt roofing shingle produced plus 0.00027 lb per ton of filler material processed by the filler heating operation, when in use. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Maximum particulate matter (PM10) emission rate from dust collector DC-6 shall not exceed 0.00027 lb per ton of back surfacing fines processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Compliance source testing with PM10 emission rate(s) shall be demonstrated within 60 days upon detection of visible emissions greater than 5% opacity from the dust collector(s) exhaust. [District Rule 1070]

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

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 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. Total facility shingle production rate shall not exceed 3998 tons/day, glass mat process rate shall not exceed 80 tons/day, and back surfacing fines process rate shall not exceed 300 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
16. DC-4 and DC-5 dust collectors shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit
17. DC-4 and DC-5 dust collectors shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 15 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
18. During each day of operation, the permittee shall record the differential pressure of DC-4 and DC-5 dust collectors and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
19. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
20. Fabric collection system of DC-4, DC-5, and DC-6 dust collectors shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
21. DC-4, DC-5, and DC-6 dust collectors filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Visible emissions from DC-4 and DC-5 dust collectors shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
23. Records of DC-4 and DC-5 dust collectors filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
24. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
25. Permittee shall maintain accurate daily records of shingle production rate and glass mat & back surfacing fines process rates, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-10-7

EXPIRATION DATE: 04/30/2017

## EQUIPMENT DESCRIPTION:

ASPHALT RECEIVING AND STORAGE OPERATION INCLUDING ONE 20,000 GALLON RECEIVING TANK, TWO 16,000 GALLON STORAGE TANKS, AND THREE 90,000 GALLON STORAGE TANKS

## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Operation shall include Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 with 10 hp exhaust blower, serving asphalt receiving/storage tanks. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Visible emissions shall not exceed 0% opacity except for one consecutive 15-minute period in any 24-hour period when clearing transfer lines. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
5. Continuous temperature monitoring equipment (with accuracy of +/- 15 degrees Celsius over its range) shall be installed at inlet of high velocity air filter. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Tank roof appurtenances shall be maintained leak-free, as defined in Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
7. Maximum particulate matter (PM10) emission rate from high velocity air filter FCS-2 shall not exceed 1.23 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Maximum volatile organic compounds (VOC) emission rate from high velocity air filter FCS-2 shall not exceed 1.23 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total facility asphalt received shall not exceed 919 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit
12. Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 27 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit

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

13. During each day of operation, the permittee shall record the differential pressure of the Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to with the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
14. Fabric collection system of Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Visible emissions from Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the model AVP-1000 high velocity air filter FCS-2 is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
17. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
18. Records of Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
19. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
20. Permittee shall maintain accurate daily records of facility asphalt received and temperature monitoring results, and shall make such records readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-12-12

EXPIRATION DATE: 04/30/2017

SECTION: 15 TOWNSHIP: 28S RANGE: 26E

## EQUIPMENT DESCRIPTION:

ASPHALT ROOFING SHINGLE COATING OPERATION WITH MACHINE LINE FUME COLLECTION SYSTEM VENTED TO HIGH VELOCITY AIR FILTER (FCS-1)

## PERMIT UNIT REQUIREMENTS

1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. 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
3. Operation shall include Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 with 200 hp exhaust blower. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include one continuous mixer, 4000 gallon surge tank with agitator, filled coating applicator, sealdown applicator with three 2000 gallon sealdown storage and mix tanks served by high velocity air filter FCS-1. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include laminator sealdown applicator, laminator adhesive applicator, and five 250 gallon use tanks served by high velocity air filter FCS-1. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Operation shall include oil pump and 1000 gallon reclaim oil storage tank. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Continuous temperature monitoring equipment (with accuracy of +/- 15 degrees Celsius over its range) shall be installed at inlet of high velocity air filter. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Continuous temperature monitoring results shall be maintained for District inspection upon request for at least five years. [District Rule 1070] Federally Enforceable Through Title V Permit
9. Each tank roof appurtenance shall be maintained leak-free (no reading in excess of 10,000 ppm as methane measured at a distance of one centimeter from the source). [District Rule 4623] Federally Enforceable Through Title V Permit
10. Maximum flow rate through high velocity air filter FCS-1 shall not exceed 25,200 acfm. Flow control damper shall be maintained at setting shown to demonstrate compliance with flow limit during source testing. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Visible emissions shall not exceed 1/4 Ringelmann or 5% opacity. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.08 lb/ton of asphalt shingle produced. [40 CFR 60.472] Federally Enforceable Through Title V Permit
13. Emission rate from shingle coating operation shall not exceed: PM10: 0.88 lb/hr and 6638 lb/yr, and VOC: 5.04 lb/hr and 37,996 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Total quantity of coating asphalt, sealant asphalt, and laminate adhesive asphalt introduced to asphalt roofing shingle coating operation (S-2033-12) shall not exceed 657 tons/day and 206,500 tons/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Source testing to demonstrate compliance with PM10 and VOC emission limits shall be conducted not less than once every 12 months, except as provided below. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Source testing to demonstrate compliance with PM10 and VOC emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rule 1070] Federally Enforceable Through Title V Permit
17. If permittee fails any compliance demonstration for PM10 and VOC emission limits when testing not less than once every 36 months, compliance with PM10 and VOC emission limits shall be demonstrated not less than once every 12 months. [District Rule 1070] 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 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
19. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070] Federally Enforceable Through Title V Permit
20. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit
22. Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 27 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
23. During each day of operation, the permittee shall record the differential pressure of the Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. Fabric collection system of Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Visible emissions from Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit

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

27. The industry is exempted from the quarterly reports required under 40 CFR 60.7. During performance testing, the operating temperature of the high velocity air filters shall be recorded and reported as required by 40 CFR 60.7 (d). Facility shall maintain a file of temperature monitoring results for at least 5 years. [40 CFR 60.473] Federally Enforceable Through Title V Permit
28. For saturators, performance tests required under 40 CFR 60.8 shall be conducted using procedures in 40 CFR 60.474 (a)-(c). [40 CFR 60.474] Federally Enforceable Through Title V Permit
29. Method 9 and the procedures in 40 CFR 60.1 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
30. The administrator shall determine compliance with the standards in CFR 60.472 (a)(3) by using Method 22, modified so that readings are recorded every 15 seconds for a period of consecutive observations during representative conditions (in accordance with 40 CFR 60.8 (c) totaling 60 minutes. A performance test shall consist of one run. [40 CFR 60.474] Federally Enforceable Through Title V Permit
31. The owner and operator shall use the monitoring device in 60.473 (a) to monitor and record continuously the temperature during the particulate matter run and shall report the results to the Administrator with the performance test results. [40 CFR 60.474] Federally Enforceable Through Title V Permit
32. Records of Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
33. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
34. Permittee shall maintain daily records of asphalt process rate and temperature monitoring results, and shall make such records readily available for District inspection upon request for a period of five years. [District Rule 1070] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-13-8

EXPIRATION DATE: 04/30/2017

**EQUIPMENT DESCRIPTION:**

12.0 MMBTU/HR NATURAL GAS OR LPG/PROPANE-FIRED PROCESS HEATER WITH A NORTH AMERICAN MODEL 4211-15/X3983 ULTRA LOW NOX BURNER AND FGR

## PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC-regulated natural gas or LPG/propane. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
3. Emission rates from the natural gas or LPG/propane-fired unit shall not exceed any of the following limits: 15 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.018 lb-NO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 200 ppmv CO @ 3% O<sub>2</sub> or 0.15 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
4. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
5. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
6. 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 and 4306] Federally Enforceable Through Title V Permit
7. 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 and 4306] Federally Enforceable Through Title V Permit

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



8. 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. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
9. Source testing to measure natural gas-combustion NOx 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 and 4306] Federally Enforceable Through Title V Permit
10. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
11. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
12. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
16. 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
17. Copies of all gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. [District Rule 4320] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. 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] Federally Enforceable Through Title V Permit
20. 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] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-14-8

EXPIRATION DATE: 04/30/2017

**EQUIPMENT DESCRIPTION:**

12.0 MMBTU/HR NATURAL GAS OR LPG/PROPANE-FIRED PROCESS HEATER WITH A NORTH AMERICAN MODEL 4211-15/X3983 ULTRA LOW NOX BURNER AND FGR

## PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC-regulated natural gas as the primary fuel with commercial LPG as a back-up fuel. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
3. This unit shall be fired on commercial LPG only during natural gas curtailments for no more than 168 cumulative hours in a calendar year plus 48 hours per calendar year for equipment testing. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
4. While fired on natural gas, emissions from the exhaust of this unit shall not exceed any of the following limits: 15 ppmvd NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.018 lb-NO<sub>x</sub>/MMBtu; 200 ppmvd CO @ 3% O<sub>2</sub>; 0.0055 lb-VOC/MMBtu; or 0.0076 lb-PM10/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
5. While fired on commercial LPG, emissions from the exhaust of this unit shall not exceed any of the following limits: 0.018 lb-NO<sub>x</sub>/MMBtu; 0.148 lb-CO/MMBtu; 0.0055 lb-VOC/MMBtu; or 0.0076 lb-PM10/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. The unit shall only be fired on PUC-regulated natural gas or LPG/propane. [District Rules 2201 and 4320] 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. 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 and 4306] 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, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

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

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 and 4306] 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 and 4306] Federally Enforceable Through Title V Permit
11. 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. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. 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 and 4306] Federally Enforceable Through Title V Permit
13. If the unit is fired on back-up fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NO<sub>x</sub> at least once during that year using an APCO approved portable NO<sub>x</sub> analyzer. Monitoring for back-up fuel NO<sub>x</sub> emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. Back-up fuel NO<sub>x</sub> emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
16. 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
17. NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

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

21. 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
22. Copies of all gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. [District Rule 4320] Federally Enforceable Through Title V Permit
23. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) 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 and 4306] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of the number of hours the unit operates while fired on commercial LPG. Records shall include the date, the number of hours of operation and the purpose of the operation (e.g., natural gas curtailment, equipment testing, etc.). [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
25. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
26. 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] Federally Enforceable Through Title V Permit
27. 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] Federally Enforceable Through Title V Permit

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

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# ATTACHMENT B

Previous Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: S-2033-0-1

EXPIRATION DATE: 04/30/2017

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: ELK CORP OF TEXAS

Location: 6200 ZERKER RD, SHAFER, CA 93283

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10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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



36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
43. On December 31, 2012, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2033-1-3

**EXPIRATION DATE:** 04/30/2017

**EQUIPMENT DESCRIPTION:**

BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #1

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include unloading hopper, feed conveyor, bucket elevator, and transfer conveyor shared between S-2033-1 & S-2033-2. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include one 6000 cu. ft. storage silo #1 served by Ultra Industries model BB 144-120 III dust collector DC-3 with 13000 cfm, 40 hp fan (shared between S-2033-1 through S-2033-3). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All conveyors and bucket elevators shall be enclosed and emissions from all transfer points shall be vented to dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
8. There shall be no visible emissions greater than 0% opacity from mineral handling and storage facility, including unloading hoppers, conveyors, transfer points, and storage silos. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of materials received. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
11. Total facility back surfacing fines received shall not exceed 500 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Source testing to demonstrate compliance with emission rate shall be conducted within 60 days of detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The 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 APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Materials removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
17. Permittee shall maintain accurate daily records of facility back surfacing fines received, and such records shall be made readily available for District inspection upon request for a period of five years. [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-2033-2-3

EXPIRATION DATE: 04/30/2017

**EQUIPMENT DESCRIPTION:**

BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #2

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include unloading hopper, feed conveyor, bucket elevator, and transfer conveyor shared between S-2033-1 & S-2033-2. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include one 6000 cu. ft. storage silo #2 served by Ultra Industries model BB 144-120 III dust collector DC-3 with 13000 cfm, 40 hp fan (shared between S-2033-1 through S-2033-3). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All conveyors and bucket elevators shall be enclosed and emissions from all transfer points shall be vented to dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
8. There shall be no visible emissions greater than 0% opacity from mineral handling and storage facility, including unloading hoppers, conveyors, transfer points, and storage silos. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of materials received. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Total facility back surfacing fines received shall not exceed 500 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Source testing to demonstrate compliance with emission rate shall be conducted within 60 days of detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The 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 APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Materials removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
17. Permittee shall maintain accurate daily records of facility back surfacing fines received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-3-3

EXPIRATION DATE: 04/30/2017

EQUIPMENT DESCRIPTION:  
GRANULES RECEIVING AND STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include two sets of unloading hopper, feed conveyor, bucket elevator, and transfer conveyor for colored granules and head lap granules. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include twenty 6000 cu. ft. storage silos served by Ultra Industries model BB 144-120 III dust collector DC-3 with 13000 cfm, 40 hp fan (shared between S-2033-1, '-2 & '-3). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All conveyors and bucket elevators shall be enclosed and emissions from all transfer points shall be vented to dust collector during operation. [District Rule 2201] Federally Enforceable Through Title V Permit
8. There shall be no visible emissions greater than 0% opacity from mineral handling and storage facility, including unloading hoppers, conveyors, transfer points, and storage silos. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
10. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.000056 lb per ton of materials received. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Total facility granule materials received shall not exceed 2000 tons/day of colored granules and 2078 tons/day of head lap granules without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Compliance source testing with PM10 emission rate shall be demonstrated within 60 days upon detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070]
13. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070]

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

14. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
17. Permittee shall maintain accurate daily records of facility granule materials received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-5-2

EXPIRATION DATE: 04/30/2017

## EQUIPMENT DESCRIPTION:

PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include one 17,140 cu. ft. filler storage silo #2 served by Ultra Industries model BBX 66-58-IIG dust collector DC-1A with 2150 cfm, 7.5 hp fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of filler material received. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total facility filler material received shall not exceed 1598 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Compliance source testing with PM10 emission rate shall be demonstrated within 60 days upon detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070]
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070]
12. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Ultra Industries model BBX 66-58-IIG dust collector DC-1A shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



15. Ultra Industries model BBX 66-58-IIG dust collector DC-1A shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 15.0 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
16. During each day of operation, the permittee shall record the differential pressure of the Ultra Industries model BBX 66-58-IIG dust collector DC-1A and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
18. Fabric collection system of Ultra Industries model BBX 66-58-IIG dust collector DC-1A shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Ultra Industries model BBX 66-58-IIG dust collector DC-1A filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Visible emissions from Ultra Industries model BBX 66-58-IIG dust collector DC-1A shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
21. Records of Ultra Industries model BBX 66-58-IIG dust collector DC-1A filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
22. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
23. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
24. Permittee shall maintain accurate daily records of facility filler material received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-6-2

EXPIRATION DATE: 04/30/2017

## EQUIPMENT DESCRIPTION:

PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include one 17,140 cu. ft. filler storage silo #3 served by Ultra Industries model BBX 66-58-IIG dust collector DC-2 with 2150 cfm, 7.5 hp fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of filler material received. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total facility filler material received shall not exceed 1598 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Compliance source testing with PM10 emission rate shall be demonstrated within 60 days upon detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070]
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070]
12. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Ultra Industries model BBX 66-58-IIG dust collector DC-2 shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. Ultra Industries model BBX 66-58-IIG dust collector DC-2 shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 15 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
16. During each day of operation, the permittee shall record the differential pressure of the Ultra Industries model BBX 66-58-IIG dust collector DC-2 and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
18. Fabric collection system of Ultra Industries model BBX 66-58-IIG dust collector DC-2 shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Ultra Industries model BBX 66-58-IIG dust collector DC-2 filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Visible emissions from Ultra Industries model BBX 66-58-IIG dust collector DC-2 shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
21. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
22. Records of Ultra Industries model BBX 66-58-IIG dust collector DC-2 filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
23. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
24. Permittee shall maintain accurate daily records of facility filler material received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-7-2

EXPIRATION DATE: 04/30/2017

## EQUIPMENT DESCRIPTION:

PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Silo vent filters shall have operational differential pressure indicators. The indicators shall be maintained in good working order at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include one 17,140 cu. ft. filler storage silo #4 served by Ultra Industries model BBX 66-58-IIG dust collector DC-2A with 2150 cfm, 7.5 hp fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Dust collector shall be maintained and operated according to manufacturer's recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions greater than 0% opacity from mineral unloading, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
7. There shall be no visible emissions greater than 0% opacity from exhaust gas of dust collector. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
8. Maximum particulate matter (PM10) emission rate from dust collector shall not exceed 0.00027 lb per ton of filler material received. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total facility filler material received shall not exceed 1598 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Compliance source testing with PM10 emission rate shall be demonstrated within 60 days upon detection of visible emissions greater than 0% opacity from dust collector exhaust. [District Rule 1070]
11. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070]
12. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Ultra Industries model BBX 66-58-IIG dust collector DC-2A shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. Ultra Industries model BBX 66-58-IIG dust collector DC-2A shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 15 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
16. During each day of operation, the permittee shall record the differential pressure of the Ultra Industries model BBX 66-58-IIG dust collector DC-2A and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
17. Fabric collection system of Ultra Industries model BBX 66-58-IIG dust collector DC-2A shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Ultra Industries model BBX 66-58-IIG dust collector DC-2A filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Visible emissions from Ultra Industries model BBX 66-58-IIG dust collector DC-2A shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
20. Method 9 and the procedures in 40 CFR 60.1 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
21. Records of Ultra Industries model BBX 66-58-IIG dust collector DC-2A filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
22. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
23. Permittee shall maintain accurate daily records of facility filler material received, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-8-6

EXPIRATION DATE: 04/30/2017

SECTION: 15 TOWNSHIP: 28S RANGE: 26E

## EQUIPMENT DESCRIPTION:

FILLER HEATING OPERATION WITH A FILLER RECEIVING BIN AND ONE HOT BIN SERVED BY WHIRL AIR FLOW MODEL 1300-120 DUST COLLECTOR (DC-7) AND ULTRA INDUSTRIES MODEL BD 256-120 DUST COLLECTOR (DC-5) SHARED WITH S-2033-9; FLASH DRYING SYSTEM WITH A 10.353 MMBTU/HR NATURAL GAS FIRED AIR HEATER WITH AN ECLIPSE MINNOX 3000 CCS-T BURNER OR EQUIVALENT AND TWO CYCLONES SERVED BY FLS AIRTECH MODEL DC8 DUST COLLECTOR (DC-10); ROTARY FEEDERS, ASSOCIATED CONVEYANCES; AND METERING SCREW CONVEYORS FEEDING THE ASPHALT ROOFING SHINGLE COATING OPERATION (S-2033-12)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
6. 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
7. Dust collectors shall be maintained and operated according to manufacturers' recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
8. All conveyors shall be enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. There shall be no visible emissions greater than 0% opacity from mineral conveying, handling, and storage. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
10. Visible emissions from dust collectors DC-5, DC-7 and DC-10 serving the filler heating operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. Maximum particulate matter (PM10) emission rate from dust collector DC-5, DC-7, and DC-10 shall not exceed 0.00027 lb per ton of filler material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Total facility filler material process rate shall not exceed 1141 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Compliance source testing with PM10 emission rate(s) shall be demonstrated within 60 days upon detection of visible emissions greater than 5% opacity from the dust collector(s) exhaust. [District Rule 1070]
14. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070] Federally Enforceable Through Title V Permit
15. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Material removed from dust collector(s) shall be disposed of in a manner preventing visible emissions in excess of 0% opacity into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
18. Flash dryer shall combust natural gas only with a sulfur content not exceeding 1 gr S/100 scf. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Emissions from the flash drying operation shall not exceed any of the following limits: 0.0076 lb-PM10/MMBtu, 42 ppmv CO @ 19% O<sub>2</sub>, or 0.0055lb-VOC/MMBtu. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
20. Emissions from the flash dryer shall not exceed 2.1 ppmv NO<sub>x</sub> @ 19% O<sub>2</sub> or such higher value as approved by the District based on source test and monitoring results obtained during the 12 month period after initial source test of the flash dryer. In no case shall the emissions from the flash dryer exceed 4.3 ppmv NO<sub>x</sub> @ 19% O<sub>2</sub>. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Within 12 months of the initial source test, GAF shall prepare and submit to the District a report identifying measured NO<sub>x</sub> emissions established through source testing and monthly monitoring. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Final NO<sub>x</sub> emissions limit from the flash dryer shall be no less than 2.1 ppmv @ 19% O<sub>2</sub> and no greater than 4.3 ppmv @ 19% O<sub>2</sub>. The District shall establish the final NO<sub>x</sub> limit within 90 days of receipt of the GAF report. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
24. If either the NO<sub>x</sub> or CO concentrations corrected to 19% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. 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 Rule 4309] Federally Enforceable Through Title V Permit
26. The permittee shall maintain records of: (1) the date and time of NOX, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOX and CO concentrations corrected to 19% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4309] Federally Enforceable Through Title V Permit
27. 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 4309. [District Rule 4309] Federally Enforceable Through Title V Permit
28. 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 Rule 4309] Federally Enforceable Through Title V Permit
29. 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 Rule 4309] Federally Enforceable Through Title V Permit
30. NOX emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
31. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
32. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
33. Source testing to measure NOx and CO emissions from this unit shall be conducted within 60 days of initial start-up and at least once every 24 months thereafter. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
34. All test results for NOx and CO shall be reported in ppmv @ 19% O2, corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
35. Permittee shall maintain accurate daily records of filler material process rate. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
36. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4309] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-9-11

EXPIRATION DATE: 04/30/2017

SECTION: 15 TOWNSHIP: 28S RANGE: 26E

## EQUIPMENT DESCRIPTION:

ASPHALT ROOFING SHINGLE MANUFACTURING OPERATION INCLUDING UNWIND STAND, DRY FELT LOOPER SERVED BY DUST COLLECTOR (DC-4) ULTRA INDUSTRIES MODEL BD 400-120 III; DISTRIBUTION HOPPER, CONVEYORS, BUCKET ELEVATORS, USE BINS, DISTRIBUTOR, BACK SURFACING/GRANULES APPLICATOR, SERVED BY DUST COLLECTOR DC-5 (LISTED ON S-2033-8); BACK SURFACING FINES HOPPER SERVED BY DUST COLLECTOR (DC-6) ULTRA INDUSTRIES MODEL BBX 6-58-IIG; COOLING DRUMS AND FINISHED PRODUCT LOOPER

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Dust collectors shall be maintained and operated according to manufacturers' recommendations. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All conveyors and bucket elevators shall be enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions greater than 5% opacity from cooling drums, finished product looper, and exhaust gas of dust collectors. [District Rule 2201] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions greater than 0% opacity from mineral conveying, handling, and storage. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Visible emissions from dust collectors DC-4, DC-5, and DC-6 serving the asphalt roofing shingle manufacturing operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Maximum particulate matter (PM10) emission rate from dust collector DC-4 shall not exceed 0.02 lb per ton of glass mat processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Maximum particulate matter (PM10) emission rate from dust collector DC-5 shall not exceed 0.0002 lb per ton of asphalt roofing shingle produced plus 0.00027 lb per ton of filler material processed by the filler heating operation, when in use. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Maximum particulate matter (PM10) emission rate from dust collector DC-6 shall not exceed 0.00027 lb per ton of back surfacing fines processed. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Compliance source testing with PM10 emission rate(s) shall be demonstrated within 60 days upon detection of visible emissions greater than 5% opacity from the dust collector(s) exhaust. [District Rule 1070]

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

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 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. Total facility shingle production rate shall not exceed 3998 tons/day, glass mat process rate shall not exceed 80 tons/day, and back surfacing fines process rate shall not exceed 300 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
16. DC-4 and DC-5 dust collectors shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit
17. DC-4 and DC-5 dust collectors shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 15 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
18. During each day of operation, the permittee shall record the differential pressure of DC-4 and DC-5 dust collectors and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to with the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
19. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
20. Fabric collection system of DC-4, DC-5, and DC-6 dust collectors shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
21. DC-4, DC-5, and DC-6 dust collectors filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Visible emissions from DC-4 and DC-5 dust collectors shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
23. Records of DC-4 and DC-5 dust collectors filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
24. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
25. Permittee shall maintain accurate daily records of shingle production rate and glass mat & back surfacing fines process rates, and such records shall be made readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-10-6

EXPIRATION DATE: 04/30/2017

## EQUIPMENT DESCRIPTION:

ASPHALT RECEIVING AND STORAGE OPERATION INCLUDING ONE 20,000 GALLON RECEIVING TANK, TWO 16,000 GALLON STORAGE TANKS, AND THREE 90,000 GALLON STORAGE TANKS

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Operation shall include Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 with 10 hp exhaust blower, serving asphalt receiving/storage tanks. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Visible emissions shall not exceed 0% opacity except for one consecutive 15-minute period in any 24-hour period when clearing transfer lines. [District Rule 2201 and 40 CFR 60.472] Federally Enforceable Through Title V Permit
5. Continuous temperature monitoring equipment (with accuracy of +/- 15 degrees Celsius over its range) shall be installed at inlet of high velocity air filter. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Tank roof appurtenances shall be maintained leak-free, as defined in Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
7. Maximum particulate matter (PM10) emission rate from high velocity air filter FCS-2 shall not exceed 1.23 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Maximum volatile organic compounds (VOC) emission rate from high velocity air filter FCS-2 shall not exceed 1.23 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total facility asphalt received shall not exceed 919 tons/day without prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit
12. Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 27 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. During each day of operation, the permittee shall record the differential pressure of the Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
14. Fabric collection system of Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Visible emissions from Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the model AVP-1000 high velocity air filter FCS-2 is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit
17. Method 9 and the procedures in 40 CFR 60.11 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
18. Records of Monsanto Enviro-Chem Systems, Inc. model AVP-1000 high velocity air filter FCS-2 maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070]
19. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
20. Permittee shall maintain accurate daily records of facility asphalt received and temperature monitoring results, and shall make such records readily available for District inspection upon request for a period of five years. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-12-10

EXPIRATION DATE: 04/30/2017

SECTION: 15 TOWNSHIP: 28S RANGE: 26E

## EQUIPMENT DESCRIPTION:

ASPHALT ROOFING SHINGLE COATING OPERATION WITH MACHINE LINE FUME COLLECTION SYSTEM VENTED TO HIGH VELOCITY AIR FILTER (FCS-1)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
2. 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
3. Operation shall include Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 with 200 hp exhaust blower. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include one continuous mixer, 4000 gallon surge tank with agitator, filled coating applicator, sealdown applicator with three 2000 gallon sealdown storage and mix tanks served by high velocity air filter FCS-1. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include laminator sealdown applicator, laminator adhesive applicator, and five 250 gallon use tanks served by high velocity air filter FCS-1. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Operation shall include oil pump and 1000 gallon reclaim oil storage tank. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Continuous temperature monitoring equipment (with accuracy of +/- 15 degrees Celsius over its range) shall be installed at inlet of high velocity air filter. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Continuous temperature monitoring results shall be maintained for District inspection upon request for at least five years. [District Rule 1070] Federally Enforceable Through Title V Permit
9. Each tank roof appurtenance shall be maintained leak-free (no reading in excess of 10,000 ppm as methane measured at a distance of one centimeter from the source). [District Rule 4623] Federally Enforceable Through Title V Permit
10. Maximum flow rate through high velocity air filter FCS-1 shall not exceed 25,200 acfm. Flow control damper shall be maintained at setting shown to demonstrate compliance with flow limit during source testing. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Visible emissions shall not exceed 1/4 Ringelmann or 5% opacity. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.08 lb/ton of asphalt shingle produced. [40 CFR 60.472] Federally Enforceable Through Title V Permit
13. Emission rate from shingle coating operation shall not exceed: PM10: 0.88 lb/hr and 6521lb/yr, and VOC: 5.04 lb/hr and 37,497 lb/yr. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Total quantity of coating asphalt, sealant asphalt, and laminate adhesive asphalt introduced to asphalt roofing shingle coating operation (S-2033-12) shall not exceed 657 tons/day and 203,788 tons/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Source testing to demonstrate compliance with PM10 and VOC emission limits shall be conducted not less than once every 12 months, except as provided below. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Source testing to demonstrate compliance with PM10 and VOC emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rule 1070] Federally Enforceable Through Title V Permit
17. If permittee fails any compliance demonstration for PM10 and VOC emission limits when testing not less than once every 36 months, compliance with PM10 and VOC emission limits shall be demonstrated not less than once every 12 months. [District Rule 1070] 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 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
19. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1070] Federally Enforceable Through Title V Permit
20. The APCO or authorized representative shall have the authority to require mitigation of toxic emissions if total facility health risks are determined to be significant pursuant to Air Toxics "Hot Spot" Information and Assessment Act of 1987. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit
22. Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall operate with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 27 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
23. During each day of operation, the permittee shall record the differential pressure of the Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 and compare the readings with the permitted range. If the baghouses' differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the baghouses' differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range after three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. Fabric collection system of Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Visible emissions from Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once per each week the dust collector is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall include the following: inspecting the dust collection system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. The industry is exempted from the quarterly reports required under 40 CFR 60.7. During performance testing, the operating temperature of the high velocity air filters shall be recorded and reported as required by 40 CFR 60.7 (d). Facility shall maintain a file of temperature monitoring results for at least 5 years. [40 CFR 60.473] Federally Enforceable Through Title V Permit
28. For saturators, performance tests required under 40 CFR 60.8 shall be conducted using procedures in 40 CFR 60.474 (a)-(c). [40 CFR 60.474] Federally Enforceable Through Title V Permit
29. Method 9 and the procedures in 40 CFR 60.1 shall be used to measure opacity. [40 CFR 60.474] Federally Enforceable Through Title V Permit
30. The administrator shall determine compliance with the standards in CFR 60.472 (a)(3) by using Method 22, modified so that readings are recorded every 15 seconds for a period of consecutive observations during representative conditions (in accordance with 40 CFR 60.8 (c) totalling 60 minutes. A performance test shall consist of one run. [40 CFR 60.474] Federally Enforceable Through Title V Permit
31. The owner and operator shall use the monitoring device in 60.473 (a) to monitor and record continuously the temperature during the particulate matter run and shall report the results to the Administrator with the performance test results. [40 CFR 60.474] Federally Enforceable Through Title V Permit
32. Records of Monsanto Enviro-Chem Systems, Inc. model EEE high velocity air filter FCS-1 maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
33. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
34. Permittee shall maintain daily records of asphalt process rate and temperature monitoring results, and shall make such records readily available for District inspection upon request for a period of five years. [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-2033-13-7

EXPIRATION DATE: 04/30/2017

## EQUIPMENT DESCRIPTION:

12.0 MMBTU/HR NATURAL GAS OR LPG/PROPANE-FIRED PROCESS HEATER WITH A NORTH AMERICAN MODEL 4211-15/X3983 ULTRA LOW NOX BURNER AND FGR

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC-regulated natural gas or LPG/propane. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
3. Emission rates from the natural gas or LPG/propane-fired unit shall not exceed any of the following limits: 15 ppmv NOx @ 3% O2 or 0.018 lb-NOx/MMBtu, 0.0076 lb-PM10/MMBtu, 200 ppmv CO @ 3% O2 or 0.15 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
4. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
5. If either the NOx or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
6. 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 and 4306] Federally Enforceable Through Title V Permit
7. The permittee shall maintain records of: (1) the date and time of NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



8. 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. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
9. Source testing to measure natural gas-combustion NOx 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 and 4306] Federally Enforceable Through Title V Permit
10. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
11. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
12. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
16. 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
17. Copies of all gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. [District Rule 4320] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. 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] Federally Enforceable Through Title V Permit
20. 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] 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-2033-14-7

EXPIRATION DATE: 04/30/2017

## EQUIPMENT DESCRIPTION:

12.0 MMBTU/HR NATURAL GAS OR LPG/PROPANE-FIRED PROCESS HEATER WITH A NORTH AMERICAN MODEL 4211-15/X3983 ULTRA LOW NOX BURNER AND FGR

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The unit shall only be fired on PUC-regulated natural gas as the primary fuel with commercial LPG as a back-up fuel. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
3. This unit shall be fired on commercial LPG only during natural gas curtailments for no more than 168 cumulative hours in a calendar year plus 48 hours per calendar year for equipment testing. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
4. While fired on natural gas, emissions from the exhaust of this unit shall not exceed any of the following limits: 15 ppmvd NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.018 lb-NO<sub>x</sub>/MMBtu; 200 ppmvd CO @ 3% O<sub>2</sub>; 0.0055 lb-VOC/MMBtu; or 0.0076 lb-PM<sub>10</sub>/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
5. While fired on commercial LPG, emissions from the exhaust of this unit shall not exceed any of the following limits: 0.018 lb-NO<sub>x</sub>/MMBtu; 0.148 lb-CO/MMBtu; 0.0055 lb-VOC/MMBtu; or 0.0076 lb-PM<sub>10</sub>/MMBtu. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. The unit shall only be fired on PUC-regulated natural gas or LPG/propane. [District Rules 2201 and 4320] 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. 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 and 4306] 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, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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 and 4306] 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 and 4306] Federally Enforceable Through Title V Permit
11. 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. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. 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 and 4306] Federally Enforceable Through Title V Permit
13. If the unit is fired on back-up fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NO<sub>x</sub> at least once during that year using an APCO approved portable NO<sub>x</sub> analyzer. Monitoring for back-up fuel NO<sub>x</sub> emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
14. Back-up fuel NO<sub>x</sub> emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
15. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
16. 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
17. NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
18. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
19. Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
20. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

21. 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
22. Copies of all gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. [District Rule 4320] Federally Enforceable Through Title V Permit
23. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of the number of hours the unit operates while fired on commercial LPG. Records shall include the date, the number of hours of operation and the purpose of the operation (e.g., natural gas curtailment, equipment testing, etc.). [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
25. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
26. 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] Federally Enforceable Through Title V Permit
27. 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] 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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**Detailed Facility Report**  
For Facility=2033  
Sorted by Facility Name and Permit Number

ELK CORP OF TEXAS 6200 ZERKER RD SHAFTER, CA 93263	FAC # STATUS TELEPHONE	S 2033 A 8053990366	TYPE TOXIC ID	Title V 61622	EXPIRE ON AREA INSP. DATE	04/30/2017 5 / 02/18
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-2033-1-3	44,883 gallons	3020-05 C	1	149.00	149.00	A	BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #1
S-2033-2-3	44,883 gallons	3020-05 C	1	149.00	149.00	A	BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #2
S-2033-3-3	897,660 gallons	3020-05 F	1	330.00	330.00	A	GRANULES RECEIVING AND STORAGE OPERATION
S-2033-5-2	128,216 gallons	3020-05 E	1	270.00	270.00	A	PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION
S-2033-6-2	128,216 gallons	3020-05 E	1	270.00	270.00	A	PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION
S-2033-7-2	128,216 gallons	3020-05 E	1	270.00	270.00	A	PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION
S-2033-8-6	85 hp electric	3020-01 C	1	217.00	217.00	A	FILLER HEATING OPERATION WITH A FILLER RECEIVING BIN AND ONE HOT BIN SERVED BY WHIRL AIR FLOW MODEL 1300-120 DUST COLLECTOR (DC-7) AND ULTRA INDUSTRIES MODEL BD 256-120 DUST COLLECTOR (DC-5) SHARED WITH S-2033-9; FLASH DRYING SYSTEM WITH A 10.353 MMBTU/HR NATURAL GAS FIRED AIR HEATER WITH AN ECLIPSE MINNOX 3000 CCS-T BURNER OR EQUIVALENT AND TWO CYCLONES SERVED BY FLS AIRTECH MODEL DC8 DUST COLLECTOR (DC-10); ROTARY FEEDERS, ASSOCIATED CONVEYANCES; AND METERING SCREW CONVEYORS FEEDING THE ASPHALT ROOFING SHINGLE COATING OPERATION (S-2033-12)
S-2033-9-11	211 hp electric	3020-01 E	1	451.00	451.00	A	ASPHALT ROOFING SHINGLE MANUFACTURING OPERATION INCLUDING UNWIND STAND, DRY FELT LOOPER SERVED BY DUST COLLECTOR (DC-4) ULTRA INDUSTRIES MODEL BD 400-120 III; DISTRIBUTION HOPPER, CONVEYORS, BUCKET ELEVATORS, USE BINS, DISTRIBUTOR, BACK SURFACING/GRANULES APPLICATOR, SERVED BY DUST COLLECTOR DC-5 (LISTED ON S-2033-8); BACK SURFACING FINES HOPPER SERVED BY DUST COLLECTOR (DC-6) ULTRA INDUSTRIES MODEL BBX 6-58-IIG; COOLING DRUMS AND FINISHED PRODUCT LOOPER
S-2033-10-6	332,000 gallons	3020-05 E	1	270.00	270.00	A	ASPHALT RECEIVING AND STORAGE OPERATION INCLUDING ONE 20,000 GALLON RECEIVING TANK, TWO 16,000 GALLON STORAGE TANKS, AND THREE 90,000 GALLON STORAGE TANKS
S-2033-12-10	200 hp electric	3020-01 E	1	451.00	451.00	A	ASPHALT ROOFING SHINGLE COATING OPERATION WITH MACHINE LINE FUME COLLECTION SYSTEM VENTED TO HIGH VELOCITY AIR FILTER (FCS-1)
S-2033-13-7	12,000 kBtu/hr	3020-02 G	1	893.00	893.00	A	12.0 MMBTU/HR NATURAL GAS OR LPG/PROPANE-FIRED PROCESS HEATER WITH A NORTH AMERICAN MODEL 4211-15/X3983 ULTRA LOW NOX BURNER AND FGR
S-2033-14-7	12,000 kBtu/hr	3020-02 G	1	893.00	893.00	A	12.0 MMBTU/HR NATURAL GAS OR LPG/PROPANE-FIRED PROCESS HEATER WITH A NORTH AMERICAN MODEL 4211-15/X3983 ULTRA LOW NOX BURNER AND FGR

### Detailed Facility Report

For Facility=2033

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
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Number of Facilities Reported: 1