

March 29, 2023

Mr. Ricardo Quiroz
Elk Corp of Texas
6200 Zerker Rd
Shafter, CA 93263

Re: Notice of Preliminary Decision – Title V Permit Renewal
Facility Number: S-2033
Project Number: S-1213468

Dear Mr. Quiroz:

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

The notice of preliminary decision for this project has been posted on the District's website (www.valleyair.org). After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the renewed Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,



Brian Clements
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email
cc: Gerardo Rios, EPA (w/enclosure) via EPS

Samir Sheikh
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**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
Elk Corp of Texas
S-2033**

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TITLE V PERMIT RENEWAL EVALUATION
Asphalt Felts and Coating Manufacturing

Engineer: Christian Bisher
Date: March 22, 2023

Facility Number: S-2033
Facility Name: Elk Corporation of Texas
Mailing Address: 6200 Zerker Rd
Shafter, CA 93263

Contact Name: Ricardo Quiroz
Phone: (661) 391-3406

Responsible Official: Ricardo Quiroz
Title: Environmental Engineer

Project # : C-1213468
Deemed Complete: December 29, 2021

I. PROPOSAL

Elk Corporation of Texas submitted an application to renew their Title V permit on October 27, 2021, which was within the timeframe required by Section 5.2 of District Rule 2520. Therefore, all terms and conditions of the Title V permit shall remain in effect until the renewal permit has been issued pursuant to Section 8.3 of District Rule 2520. During this renewal process, the existing permits will be revised to include any updated or new requirements from District, State and Federal rules that were adopted or amended since the issuance of the previous Title V permit renewal that was finalized on October 5, 2017.

The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to ensure 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

S-2033 is located at 6200 Zerker Rd in Shafter, 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 C-2033-0-3.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

Rules Addressed by General Permit Template

A. Rules Updated or Evaluated

- District Rule 2520, Federally Mandated Operating Permits, (amended August 15, 2019)

- District Rule 4601, Architectural Coatings (amended April 16, 2020)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended March 24, 2021)
- 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction (amended April 10, 2020)

B. Rules Added or Removed

There are no applicable rules that were added or removed since the last Title V renewal.

C. Rules Not Updated

- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2020, Exemptions (amended December 18, 2014)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications, Section 7.0 (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 8011, Fugitive Dust General Requirements (amended August 19, 2004)
- District Rule 8021, Construction, Demolition Excavation, Extraction, and Other Earthmoving Activities (amended August 19, 2004)
- District Rule 8031, Bulk Materials (amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Open Areas (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)

- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standards for Asbestos (amended July 20, 2004)

Rules Not Addressed by General Permit Template

A. Rules Updated or Evaluated

- District Rule 2201, New and Modified Stationary Source Review Rule (amended August 15, 2019)
- District Rule 2410, Prevention of Significant Deterioration (effective November 26, 2012)
- District Rule 4306, Boilers, Steam Generators, and Process Heaters – Phase 3 (amended December 17, 2020)
- District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr (amended December 17, 2020)
- 40 CFR Part 64, Compliance Assurance Monitoring (amended October 22, 1997)

B. Rules Removed

- Fresno County Rule 110, Equipment Breakdown (SIP approved 8/22/1977) ⇒ District resolution to rescind from SIP 2/17/2022)
- Kern County Rule 111, Equipment Breakdown (SIP approved 10/24/1980) ⇒ District resolution to rescind from SIP 2/17/2022)
- Kings County Rule 111, Equipment Breakdown (SIP approved, last amended 6/18/1982) ⇒ District resolution to rescind from SIP 2/17/2022)
- Madera County Rule 113, Equipment Breakdown (SIP approved 11/18/1983) ⇒ District resolution to rescind from SIP 2/17/2022)
- Stanislaus County Rule 110, Equipment Breakdown (SIP approved 6/1/1983) ⇒ District resolution to rescind from SIP 2/17/2022)

- Tulare County Rule 111, Equipment Breakdown (SIP approved 8/22/1977 ⇒ District resolution to rescind from SIP 2/17/2022)

C. Rules Added

- 40 CFR Part 63, Subpart LLLLLL, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing (amended March 12, 2020)
- 40 CFR Part 63, Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing (area sources) (amended March 20, 2023)

D. Rules Not Updated

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 4305, Boilers, Steam Generators, and Process Heaters – Phase 2 (amended August 21, 2003)
- District Rule 4309, Dryers, Dehydrators, and Ovens (amended December 15, 2005)
- District Rule 4623, Storage of Organic Liquids (amended May 19, 2005)
- 40 CFR Part 60, Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture (amended February 27, 2014)

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:

Rules Addressed by General Permit Template

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

Rules Not Addressed by General Permit Template

A. Rules Updated/Removed

No rules were updated or removed since the last renewal Title V permit was issued for this facility.

B. Rules Not Updated

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

C. Rules Added

No rules were updated or removed since the last renewal Title V permit was issued for this facility.

VIII. PERMIT REQUIREMENTS

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will only address rules that have been amended or added since the issuance of the initial Title V permit or the most recent renewal of the Title V permit. Rules that have not been updated but are being evaluated for compliance purposes will also be addressed here.

A. Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 – Equipment Breakdown

In accordance with EPA's State Implementation Plan (SIP) Call, on February 17, 2022, the District rescinded Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 from the San Joaquin Valley SIP.

Therefore, proposed conditions 1 and 2 on permit S-2033-0-3 are no longer Federally Enforceable. Additionally, proposed condition 39 was modified to remove all references to county breakdown rules.

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

District Rule 2201 has been amended since this Title V permit was last renewed. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit.

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

The requirements of District Rule 2410 are only triggered at the time the source undergoes a modification. Therefore, all applicable requirements from any PSD permit actions have already been incorporated into the current Title V permit.

D. District Rule 2520 – Federally Mandated Operating Permits

District Rule 2520 has been amended since this facility's last Title V permit renewal. However, the amendments to this rule were administrative, relating only to the notification procedures for Title V permit modifications that are required to go through a public notice. The amendments to this rule did not have any effect on the current permit requirements and will therefore not be addressed further in this evaluation. However, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

Greenhouse Gas Discussion

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

E. District Rule 4306 - Boilers, Steam Generators, and Process Heater – Phase 3

This rule limits emissions of oxides of nitrogen (NO_x) and carbon monoxide (CO) from boilers, steam generators, and process heaters. The rule is applicable to gaseous or liquid fuel-fired boilers, steam generators, or process heaters with a heat input greater than 5 million Btu per hour. The rule was last amended on December 17, 2020. The amended rule requires boilers, steam generators, and process heaters to meet the applicable NO_x and CO limits listed in Table 2 on or after December 31, 2023 or December 31, 2029, depending on the category of the unit. The facility must submit an emission

control plan and apply for Authority to Construct permits to modify their units subject to this rule by May 1, 2022 to comply with the revised emission limits.

The boilers, steam generators, and process heaters at this facility comply with the current emission limit requirements of Rule 4306 listed in Table 1. Table 2 requirements are not in effect yet. Therefore, no changes to the permits are required at this time since the units and their current permits comply with all current Rule 4306 requirements. An Authority to Construct permit application and emission control plan were submitted on April 29, 2022 to address the Table 2 emission limits (project S-1221597).

F. District Rule 4320 - Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBTU/HR

This rule limits emissions of oxides of nitrogen (NO_x) and carbon monoxide (CO), oxides of sulfur (SO₂), and particulate matter 10 microns or less (PM₁₀) from boilers, steam generators, and process heaters. The Rule is applicable to gaseous or liquid fuel-fired boilers, steam generators, or process heaters with a heat input greater than 5 million Btu per hour. The rule was last amended on December 17, 2020.

The amended rule requires boilers, steam generators, and process heaters to meet the applicable NO_x limits listed in Table 2 on or after December 31, 2023. The facility must submit an emission control plan and apply for Authority to Construct permits to modify their units subject to this rule by May 1, 2022 to comply with the revised emission limits.

The boilers, steam generators, and process heaters at this facility comply with the current emission limit requirements of Rule 4320 listed in Table 1. Table 2 requirements are not in effect yet. Therefore, no changes to the permits are required at this time since they are in compliance with all current Rule 4320 requirements. An Authority to Construct permit application and emission control plan were submitted on April 29, 2022 to address the Table 2 emission limits (project S-1221597).

G. District Rule 4601 – Architectural Coatings

District Rule 4601 was last amended on April 16, 2020. EPA approved District Rule 4601 as amended on April 16, 2020 for inclusion in the SIP on December 14, 2022.

The purpose of this rule is to limit VOC emissions from architectural coatings. This rule specifies architectural coatings storage, cleanup, and labeling requirements. This rule is applicable to any person who supplies, markets, sells, offers for sale, applies, or solicits the application of any architectural

coating, or who manufactures, blends or repackages any architectural coating for use within the San Joaquin Valley Air Pollution Control District.

As required by a September 2016 decision by the U.S. Court of Appeals for the Ninth Circuit in *Bahr v. U.S. Environmental Protection Agency*,¹ the April 16, 2020 amendments to District Rule 4601 added a contingency measure for the District's 2016 Ozone Plan that would remove the exemption for specific categories of coatings sold in small containers with a volume of one liter or less if EPA issues a finding that the San Joaquin Valley Air Basin has failed to attain, or to make reasonable further progress towards attainment of, the 2008 National Ambient Air Quality Standard (NAAQS) for ozone. The April 16, 2020 amendments to District Rule 4601 implemented provisions of the 2019 California Air Resources Board (ARB) Suggested Control Measure for Architectural Coatings,² including lowering VOC limits for several categories of architectural coatings, setting VOC limits for three new categories of architectural coatings, and adding new requirements for colorants.

The primary effect of the April 16, 2020 amendments to District Rule 4601 was reducing VOC content limits required for specific categories of coatings and adding VOC content limits for specific categories of colorants. The previous VOC content limits of District Rule 4601 and the VOC content limits of coatings and colorants that became effective on and after January 1, 2022 are summarized below.

Section 5.1 - VOC Content Limits:

Except as provided in Sections 5.2 and 5.3, no person shall: manufacture, blend, or repackage for use within the District; or supply, sell, market or offer for sale within the District; or solicit for application or apply within the District any architectural coating or colorant with a VOC content in excess of the corresponding limit specified in Table 1 or Table 2, after the specified effective date in Table 1 or Table 2. Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

¹ United States Court of Appeals for the Ninth Circuit (September 12, 2016) *Bahr v. U.S. Environmental Protection Agency*. <https://cdn.ca9.uscourts.gov/datastore/opinions/2016/09/12/14-72327.pdf>

² California Air Resources Board (May 2019) California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings. https://ww2.arb.ca.gov/sites/default/files/2020-05/10602_scm_final.pdf

Rule 4601, Table 1 - VOC Content Limits for Coatings¹		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
Flat Coatings	50	50
Nonflat Coatings	100	50
Specialty Coatings	-	-
Aluminum Roof Coatings	400	100
Basement Specialty Coatings	400	400
Bituminous Roof Coatings	50	50
Bituminous Roof Primers	350	350
Bond Breakers	350	350
Building Envelope Coatings	-	50
Concrete Curing Compounds	350	350
Concrete/Masonry Sealers	100	100
Driveway Sealers	50	50
Dry Fog Coatings	150	50
Faux Finishing Coatings	350	350
Fire Resistive Coatings	350	150
Floor Coatings	100	50
Form-Release Compounds	250	100
Graphic Arts Coatings (Sign Paints)	500	500
High Temperature Coatings	420	420
Industrial Maintenance Coatings	250	250
Low Solids Coatings ²	120	120
Magnesite Cement Coatings	450	450
Mastic Texture Coatings	100	100
Metallic Pigmented Coatings	500	500
Multi-Color Coatings	250	250
Pre-Treatment Wash Primers	420	420
Primers, Sealers, and Undercoaters	100	100
Reactive Penetrating Sealers	350	350
Recycled Coatings	250	250
Roof Coatings	50	50
Rust Preventative Coatings	250	250
Shellacs:		
Clear	730	730
Opaque	550	550
Specialty Primers, Sealers, and Undercoaters	100	100
Stains	250	100
Interior Stains		250
Stone Consolidants	450	450
Swimming Pool Coatings	340	340
Tile and Stone Sealers		100
Traffic Marking Coatings	100	100
Tub and Tile Refinish Coatings	420	420

Rule 4601, Table 1 - VOC Content Limits for Coatings¹		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
Waterproofing Membranes	250	100
Wood Coatings	275	275
Wood Preservatives	350	350
Zinc-Rich Primers	340	340

1 Limits are expressed as VOC Regulatory (except where noted otherwise), thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

2 Units are grams of VOC per liter of coating, including water and exempt compounds, in accordance with Section 3.72.

Rule 4601, Table 2 VOC Content Limits for Colorants¹	
Colorants Added To	VOC Limit (g/l) Effective on and after 1/1/2022
Architectural Coatings, excluding Industrial Maintenance Coatings	50
Solvent Based Industrial Maintenance Coatings	600
Waterborne Industrial Maintenance Coatings	50
Wood Coatings	600

1 Limits are expressed as VOC Regulatory.

The following conditions of the proposed requirements of the facility-wide permit (S-2033-0-3) were updated to remain consistent with the current rule and to ensure compliance with this rule.

23. No person shall: manufacture, blend, or repackage for use within the District; or supply, sell, market or offer for sale within the District; or solicit for application or apply within the District any architectural coating or colorant with a VOC content in excess of the corresponding limit specified in Table 1 or Table 2 of District Rule 4601 (4/16/20), after the specified effective dates in Table 1 or Table 2 of District Rule 4601. [District Rule 4601]

24. All architectural coating containers and containers of any VOC-containing materials subject to District Rule 4601 (4/16/20) shall be closed when not in use. [District Rule 4601]

25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in District Rule 4601, sections 6.1 and 6.3 (4/16/20). [District Rule 4601]

H. 40 CFR Part 63, Subpart LLLLL, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing

40 CFR Part 63, Subpart AAAAAAA, National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing (area source)

The purpose of 40 CFR Part 63, Subpart LLLLL and Subpart AAAAAAA is to limit hazardous air pollutants at asphalt processing and asphalt roofing manufacturing operations. Subpart LLLLL applies to major sources of hazardous air pollutants (HAP), and Subpart AAAAAAA applies to area sources of HAP.

Part 63 defines a major source as:

Any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit considering controls, in the aggregate, 10 tons per year or more of any hazardous air pollutant or 25 tons per year or more of any combination of hazardous air pollutants, unless the Administrator establishes a lesser quantity, or in the case of radionuclides, different criteria from those specified in this sentence.

Part 63 defines an area source as:

Any stationary source of hazardous air pollutants that is not a major source as defined in this part.

Per the facility's 2021 Emission Inventory Statement, the maximum individual HAP emitted is 36.8 lb/year, and the maximum combination of HAP emitted is 42.51 lb/year. Since individual annual HAP emissions are less than 10 tons and combined HAP emissions are less than 25 tons, this facility is considered an area source of HAP emissions, and 40 CFR Part 63, Subpart AAAAAAA is potentially applicable.

Subpart AAAAAAA applies to asphalt roofing manufacturing operations that are area sources of hazardous air pollutant (HAP) emissions whether they are new, reconstructed, or existing sources.

§ 63.11566 defines asphalt roofing manufacturing operations as:

the collection of equipment used to manufacture asphalt roofing products through a series of sequential process steps. The equipment configuration of an asphalt roofing manufacturing process varies depending upon the type

of substrate used (i.e., organic or inorganic). For example, an asphalt roofing manufacturing line that uses organic substrate (e.g., felt) typically would consist of a saturator (and wet looper), coating mixer, and coater (although the saturator could be bypassed if the line manufacturers multiple types of products). An asphalt roofing manufacturing line that uses inorganic (fiberglass mat) substrate typically would consist of a coating mixer and coater.

Permit unit S-2033-12 is the only permit unit with this equipment and includes two coating mixers and one coater. Therefore, this facility is classified as an existing asphalt roofing manufacturing operation and is subject to this subpart.

In order to comply with the requirements of this subpart, the facility must complete additional source and performance testing to propose compliance criteria. The facility will incorporate provisions to comply with this subpart under a separate permitting action. Therefore, the following condition will be added to permit unit S-2033-12-17 to ensure compliance is addressed in a future Title V modification:

- *In order to ensure compliance with the requirements of 40 CFR Part 63, Subpart AAAAAAA, Asphalt Processing and Asphalt Roofing Manufacturing (area source), the permittee shall submit a Title V modification application proposing compliance with this subpart by January 1, 2024. [40 CFR Part 63 Subpart AAAAAAA]*

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

40 CFR Part 64 requires Compliance Assurance Monitoring for units that meet the following three criteria:

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

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

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

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

S-2033-3: GRANULES RECEIVING AND STORAGE OPERATION

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

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

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

Units S-2033-1, '-2, '-3, '-5, '-6, and '-7 have PM₁₀ emission limits on their current permit. Units S-2033-1, '-2, and '-3 have an add-on control device in the form of a shared Ultra Industries, Model BB 144-120 III dust collector (internally labeled DC-3). Units S-2033-5, '-6, and '-7 each have an add-on control in the form of an Ultra Industries, Model BBX 66-58-IIG dust collector (internally labeled DC-1A, DC-2, and DC-2A respectively). Therefore, these permit units are potentially subject to CAM for PM₁₀ if the annual pre-control potential to emit is greater than the major source threshold.

The controlled PM₁₀ emission limits are listed below:

Permit Unit	Controlled PM ₁₀ Emission Limit ² (lb-PM ₁₀ /ton)	Source
'-1	0.00027	Current PTO
'-2	0.00027	
'-3 (Colored Granules)	0.000056	
'-3 (Head Lap Granules)	0.00027	
'-5	0.00027	
'-6	0.00027	
'-7	0.00027	

1. Per the initial permitting evaluation (project S-940418), the control efficiency for all the dust collectors is 99.9%.

The controlled emission factors are calculated as follows:

$$EF_{PM10, \text{Controlled}} = EF_{PM10, \text{Pre-Control}} \times (1 - \text{Control Efficiency})$$

Pre-control emission limits can be calculated by rearranging the expression as follows:

$$EF_{PM10, \text{Pre-Control}} = EF_{PM10, \text{Controlled}} / (1 - \text{Control Efficiency})$$

Pre-control emission limits and product throughput limits are listed in the table below. The annual pre-control potential to emit is calculated by multiplying the pre-control emission limits by the product throughput limit and multiplied by the maximum operating time, which is 365 days in a year.

$$PE_{PM10, \text{Pre-Control}} = EF_{PM10, \text{Pre-Control}} \times \text{Throughput} \times \text{Operating Time}$$

Permit Unit	Pre-Control PM ₁₀ Emission Limit (lb-PM ₁₀ /ton)	Product Throughput (ton/day)	PE (lb-PM ₁₀ /year)
'-1	0.27	500	49,275
'-2	0.27	500	49,275
'-3 (Colored Granules)	0.056	2,000	40,880
'-3 (Head Lap Granules)	0.27	2,078	204,787
'-3 Total			245,667
'-5	0.27	1,598 ¹	157,483
'-6	0.27		
'-7	0.27		

1. Permit units '-5, '-6, and '-7 share a total maximum throughput permitted limit.

Since the annual pre-control PM₁₀ potential to emit for permit units '-3, '-5, '-6, and '-7 is greater than the PM₁₀ major source threshold of 140,000 lb-PM₁₀/year, CAM is required for these units.

Annual post-control potentials to emit for permit units '-3, '-5, '-6, and '-7 will be checked to see if major source thresholds are exceeded, which would require monitoring data to be collected every 15 minutes.

Permit Unit	Controlled PM ₁₀ Emission Limit (lb-PM ₁₀ /ton)	Product Throughput (ton/day)	PE (lb-PM ₁₀ /year)
'-3 (Colored Granules)	0.000056	2,000	41
'-3 (Head Lap Granules)	0.00027	2,078	205
'-3			246
'-5	0.00027	1,598	157
'-6	0.00027		
'-7	0.00027		

Monitoring every 15 minutes is not required for these permit units since the PM₁₀ major source threshold is not surpassed.

Continued compliance with the requirements of this regulation will be ensured with the following permit conditions:

Permit Unit	Conditions	Applicability
S-2033-5-4	14, 15, 16, 17, 20, 22	Federal Regulation 40 CFR Part 64
S-2033-6-4	14, 15, 16, 17, 20, 23	Federal Regulation 40 CFR Part 64
S-2033-7-4	14, 15, 16, 19, 22	Federal Regulation 40 CFR Part 64

- b) S-2033-8: FILLER HEATING OPERATION WITH A FILLER RECEIVING BIN AND ONE HOT BIN SERVED BY WHIRL AIR FLOW MODEL 1300-120 DUST COLLECTOR (DC 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)

Unit S-2033-8 has emission limits for NO_x, PM₁₀, CO, and VOC and an add-on control device for PM₁₀ emissions. Therefore, this permit unit is potentially subject to CAM for PM₁₀ if the annual pre-control potential to emit is greater than the major source threshold.

The annual pre-control potential to emit for PM₁₀ is calculated below:

Controlled PM₁₀ Emission Limit = 0.00027 lb-PM₁₀/ton (Current PTO)
Dust Collector Control Efficiency = 99.9% (Initial Title V evaluation, S-1111511)

Pre-Control PM₁₀ Emission Limit = 0.27 lb-PM₁₀/ton (per VIII.H(a))

Product Throughput = 1,141 ton/day

PE = Pre-Control PM₁₀ Emission Limit x Throughput x Maximum Operating Time
= 0.27 lb-PM₁₀/ton x 1,141 ton/day x 365 day/year
= 112,446 lb-PM₁₀/year

Since the major source threshold is not surpassed, CAM is not required for permit unit S-2033-8.

- c) S-2033-9: 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-8) ULTRA INDUSTRIES MODEL BB 16-58-IIG; COOLING DRUMS AND FINISHED PRODUCT LOOPER

Unit S-2033-9 has an emission limit for PM₁₀ and add-on control devices for PM₁₀ emissions. Therefore, this permit unit is potentially subject to CAM for PM₁₀ if the annual pre-control potential to emit is greater than the major source threshold.

As shown in Section VIII.H(a), pre-control emission limits can be calculated as follows and are listed in the table below:

$$EF_{PM_{10}, \text{Pre-Control}} = EF_{PM_{10}, \text{Controlled}} / (1 - \text{Control Efficiency})$$

Dust Collector (Material)	Controlled PM ₁₀ Emission Limit ¹ (lb-PM ₁₀ /ton)	Control Efficiency ²	Pre-Control PM ₁₀ Emission Limit (lb-PM ₁₀ /ton)
DC-4 (Glass Mat)	0.02	99.9%	20
DC-5 (Shingles)	0.0002		0.2
DC-8 (Fines)	0.00027		0.27

1. Per Current PTO
2. Per the initial permitting evaluation (project S-940418), the control efficiency for all the dust collectors is 99.9%.

The annual pre-control potential to emit is calculated by multiplying the pre-control emission limit by the product throughput and multiplied by the maximum operating time, which is 365 days in a year.

Dust Collector (Material)	Pre-Control PM ₁₀ Emission Limit (lb-PM ₁₀ /ton)	Product Throughput (ton/day)	PE (lb-PM ₁₀ /year)
DC-4 (Glass Mat)	20	80	584,000
DC-5 (Shingles)	0.2	3,998	291,854
DC-8 (Fines)	0.27	300	29,565

Since the pre-control PM₁₀ potential to emit is greater than the PM₁₀ major source threshold of 140,000 lb-PM₁₀/year, the DC-4 and DC-5 emission units for permit unit '9 are subject to CAM requirements.

Annual post-control potentials to emit for DC-4 and DC-5 emission units will be checked to see if major source thresholds are exceeded, which would require monitoring data to be collected every 15 minutes.

Dust Collector (Material)	Controlled PM ₁₀ Emission Limit (lb-PM ₁₀ /ton)	Product Throughput (ton/day)	PE (lb-PM ₁₀ /year)
DC-4 (Glass Mat)	0.02	80	584
DC-5 (Shingles)	0.0002	3,998	292

Monitoring every 15 minutes is not required for these emission units since the PM₁₀ major source threshold is not surpassed.

Continued compliance with the requirements of this regulation will be ensured with the following permit conditions:

Permit	Conditions	Applicability
S-2033-9-16	16, 17, 18, 19, 22, 24	Federal Regulation 40 CFR Part 64

- d) S-2033-10: 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 fume collection system and high velocity air filter serving the storage tanks in this permit unit are not included in the current permit equipment description. The fume collection system and high velocity air filter have

been administratively added to the equipment descriptions in the draft Permit to Operate (PTO).

Unit S-2033-10 has emission limits for PM₁₀ and VOC and an add-on control device for PM₁₀ emissions. Therefore, this permit unit is potentially subject to CAM for PM₁₀ if the annual pre-control potential to emit is greater than the major source threshold.

The annual pre-control potential to emit for PM₁₀ is calculated below:

Controlled PM₁₀ Emission Limit = 1.23 lb-PM₁₀/hr (Current PTO)

High Velocity Air Filter Control Efficiency = 99% (ATC Project S-950085)

As shown in Section VIII.H(a), pre-control emission limits can be calculated as follows:

$$\begin{aligned} EF_{PM_{10}, \text{Pre-Control}} &= EF_{PM_{10}, \text{Controlled}} / (1 - \text{Control Efficiency}) \\ &= 1.23 \text{ lb-PM}_{10}/\text{hr} / (1 - 0.99) \\ &= 123 \text{ lb-PM}_{10}/\text{hr} \end{aligned}$$

$$\begin{aligned} PE_{PM_{10}, \text{Pre-Control}} &= EF_{PM_{10}, \text{Pre-Control}} \times \text{Maximum Operating Time} \\ &= 123 \text{ lb-PM}_{10}/\text{hr} \times 8,760 = 1,077,480 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Since the annual pre-control PM₁₀ potential to emit is greater than the PM₁₀ major source threshold of 140,000 lb-PM₁₀/year, this permit unit is subject to CAM requirements.

Annual post-control potential to emit for permit unit '-10 will be checked to see if major source thresholds are exceeded, which would require monitoring data to be collected every 15 minutes.

$$\begin{aligned} PE_{PM_{10}, \text{Controlled}} &= EF_{PM_{10}, \text{Controlled}} \times \text{Maximum Operating Time} \\ &= 1.23 \text{ lb-PM}_{10}/\text{hr} \times 8,760 \text{ hr/year} \\ &= 10,775 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Monitoring every 15 minutes is not required for this emission unit since the PM₁₀ major source threshold is not surpassed.

Continued compliance with the requirements of this regulation will be ensured with the following permit conditions:

Permit	Conditions	Applicability
S-2033-10-8	11, 12, 13, 16, 19	Federal Regulation 40 CFR Part 64

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

f)

Unit S-2033-12 has emission limits for PM₁₀ and VOC and an add-on control device for PM₁₀ emissions. Therefore, this permit unit is potentially subject to CAM for PM₁₀ if the annual pre-control potential to emit is greater than the major source threshold.

The annual pre-control potential to emit for PM₁₀ is calculated below:

Controlled PM₁₀ Emission Limit = 0.88 lb-PM₁₀/hr (Current PTO)

High Velocity Air Filter Control Efficiency = 99% (ATC Project S-940418)

As shown in Section VIII.H(a), pre-control emission limits can be calculated as follows:

$$\begin{aligned} EF_{PM_{10}, \text{Pre-Control}} &= EF_{PM_{10}, \text{Controlled}} / (1 - \text{Control Efficiency}) \\ &= 0.88 \text{ lb-PM}_{10}/\text{hr} / (1 - 0.99) \\ &= 88 \text{ lb-PM}_{10}/\text{hr} \end{aligned}$$

Annual pre-control potential to emit is calculated as follows:

$$\begin{aligned} PE_{PM_{10}, \text{Pre-Control}} &= EF_{PM_{10}, \text{Pre-Control}} \times \text{Maximum Operating Time} \\ &= 88 \text{ lb-PM}_{10}/\text{hr} \times 8,760 \text{ hr/year} = 770,880 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Since the annual pre-control PM₁₀ potential to emit is greater than the PM₁₀ major source threshold of 140,000 lb-PM₁₀/year, this permit unit is subject to CAM requirements.

Annual post-control potential to emit for permit unit '-12 will be checked to see if major source thresholds are exceeded, which would require monitoring data to be collected every 15 minutes.

$$\begin{aligned} PE_{PM_{10}, \text{Controlled}} &= EF_{PM_{10}, \text{Controlled}} \times \text{Maximum Operating Time} \\ &= 0.88 \text{ lb-PM}_{10}/\text{hr} \times 8,760 \text{ hr/year} \\ &= 7,709 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Monitoring every 15 minutes is not required for this emission unit since the PM₁₀ major source threshold is not surpassed.

Continued compliance with the requirements of this regulation will be ensured with the following permit conditions:

Permit	Conditions	Applicability
S-2033-12-17	22, 23, 24, 27, 35	Federal Regulation 40 CFR Part 64

- g) S-2033-13: 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: 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

These permit units have emission limits for NO_x, PM₁₀, CO, and VOC but no add-on controls. Therefore, CAM is not required for these permit units.

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

Per §82.30(a) the purpose of 40 CFR Part 82, Subpart B is to implement section 609 of the Clean Air Act, as amended regarding the servicing of motor vehicle air conditioners (MVACs), and to implement section 608 of the Clean Air Act regarding certain servicing, maintenance, repair and disposal of air conditioners in MVACs and MVAC-like appliances (as that term is defined in 40 CFR 82.152).

Per §82.30(b) these regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

40 CFR Part 82, Subpart B has been amended since the last Title V permit renewal was issued for this facility. However, compliance with the requirements of this rule will be ensured with the permit condition on the facility-wide permit listed below:

Permit	Condition	Applicability
S-2033-0-3	28	Federal Regulation 40 CFR Part 82 Subpart B

K. 40 CFR Part 82, Subpart F – Recycling and Emissions Reductions

Per §82.150(a) the purpose of 40 CFR Part 82, Subpart F is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest

achievable level by maximizing the recapture and recycling of such refrigerants during the service, maintenance, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I and class II ODS in accordance with Title VI of the Clean Air Act.

Per §82.150(b) these regulations apply to any person servicing, maintaining, or repairing appliances. This subpart also applies to persons disposing of appliances, including small appliances and motor vehicle air conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

40 CFR Part 82, Subpart B has been amended since the last Title V permit renewal was issued for this facility. However, compliance with the requirements of this rule will be ensured with the permit condition on the facility-wide permit listed below:

Permit	Condition	Applicability
S-2033-0-3	27	Federal Regulation 40 CFR Part 82 Subpart F

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template are included as conditions 39 and 40 of the facility-wide requirements (S-2033-0-3).

B. Requirements not Addressed by Model General Permit Templates

The applicant has not proposed any new permit shields for non-model template requirements.

C. Obsolete Permit Shields From Existing Permit Requirements

There were no obsolete permit shields listed in the existing permit requirements.

X. CALIFORNIA ENVIRONMENTAL QUALITY ACT

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

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

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

ATTACHMENTS

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

ATTACHMENT A

Draft Renewed Title V Operating Permits

San Joaquin Valley Air Pollution Control District

FACILITY: S-2033-0-3

EXPIRATION DATE: 04/30/2022

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)]
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)]
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 (8/18/11). [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 93263
S-2033-0-3 : Mar 21 2023 1:49PM -- BISHERC

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 (8/15/19). [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, or repackage for use within the District; or supply, sell, market or offer for sale within the District; or solicit for application or apply within the District any architectural coating or colorant with a VOC content in excess of the corresponding limit specified in Table 1 or Table 2 of District Rule 4601 (4/16/20), after the specified effective dates in Table 1 or Table 2 of District Rule 4601. [District Rule 4601] Federally Enforceable Through Title V Permit
24. All architectural coating containers and containers of any VOC-containing materials subject to District Rule 4601 (4/16/20) shall be closed 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 District Rule 4601, sections 6.1 and 6.3 (4/16/20). [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) and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, and 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 begin January 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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-2033-1-7

EXPIRATION DATE: 04/30/2022

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, 50 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-2033-2-7

EXPIRATION DATE: 04/30/2022

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, 50 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-2033-3-8

EXPIRATION DATE: 04/30/2022

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, transfer conveyor and downgrade 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 and 550 cu. ft. transportable storage trailers served by Ultra Industries model BB 144-120 III dust collector DC-3 with 14,500 cfm, 60 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, storage silos and storage trailers. [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 colored granules received or 0.00027 lb per ton of head lap granules 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 records of opacity measurement results, and such records shall be made readily available for District inspection upon request for a period of five years.. [District Rule 1070]
18. 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-2033-5-4

EXPIRATION DATE: 04/30/2022

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-2033-6-4

EXPIRATION DATE: 04/30/2022

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-2033-7-4

EXPIRATION DATE: 04/30/2022

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-2033-8-10

EXPIRATION DATE: 04/30/2022

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

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% 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 NO_x @ 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 NO_x @ 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 NO_x emissions established through source testing and monthly monitoring. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Final NO_x 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 NO_x 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_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
24. If either the NO_x 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-2033-9-16

EXPIRATION DATE: 04/30/2022

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-8) ULTRA INDUSTRIES MODEL BB 16-58-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-8 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-8 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-8 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-8 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-2033-10-8

EXPIRATION DATE: 04/30/2022

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-2033-12-17

EXPIRATION DATE: 04/30/2022

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. During each day of operation, compliance on the limitation on total air flow rate into FCS-1 will be verified using the relationship between flow rate and fan speed for the existing FCS-1 fan, obtained from previous source tests, or other methodology established with prior APCO approval. [District Rule 2201] Federally Enforceable Through Title V Permit
8. 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
9. 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
10. 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
11. Maximum flow rate through high velocity air filter FCS-1 shall not exceed 25,200 acfm. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Visible emissions shall not exceed 1/4 Ringelmann or 5% opacity. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed 0.08 lb/ton of asphalt shingle produced. [40 CFR 60.472] 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. 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
15. 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
16. 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
17. 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
18. 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
19. 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
20. 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
21. 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
22. 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
23. 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
24. 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
25. 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
26. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. 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
28. 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
29. 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
30. 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
31. 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
32. 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
33. 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
34. Permittee shall maintain daily records of asphalt process rate, temperature monitoring results, and parameters required to establish total flow rate into FCS-1 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
35. 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
36. 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
37. In order to ensure compliance with the requirements of 40 CFR Part 63, Subpart AAAAAAA, Asphalt Processing and Asphalt Roofing Manufacturing (area source), the permittee shall submit a Title V modification application proposing compliance with this subpart by January 1, 2024. [40 CFR Part 63 Subpart AAAAAAA] 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-2033-13-9

EXPIRATION DATE: 04/30/2022

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 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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-14-9

EXPIRATION DATE: 04/30/2022

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_x @ 3% O₂ or 0.018 lb-NO_x/MMBtu; 200 ppmvd CO @ 3% O₂; 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_x/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_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
8. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of 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_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 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_x 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_x at least once during that year using an APCO approved portable NO_x analyzer. Monitoring for back-up fuel NO_x 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_x 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_x 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 (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
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 NO_x measurements, (2) the measured back-up fuel NO_x 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 NO_x 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 NO_x 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 Permits

San Joaquin Valley Air Pollution Control District

FACILITY: S-2033-0-2

EXPIRATION DATE: 04/30/2022

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 93263
S-2033-0-2 : Mar 21 2023 10:38AM - BISHERC

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 begin January 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-1-6

EXPIRATION DATE: 04/30/2022

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, 50 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-2033-2-6

EXPIRATION DATE: 04/30/2022

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, 50 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-2033-3-7

EXPIRATION DATE: 04/30/2022

EQUIPMENT DESCRIPTION:

GRANULES RECEIVING AND STORAGE OPERATION

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, transfer conveyor and downgrade 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 and 550 cu. ft. transportable storage trailers served by Ultra Industries model BB 144-120 III dust collector DC-3 with 14,500 cfm, 60 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, storage silos and storage trailers. [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 colored granules received or 0.00027 lb per ton of head lap granules 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.

Facility Name: ELK CORP OF TEXAS

Location: 6200 ZERKER RD,SHAFTER, CA 93263

S-2033-3-7 : Mar 21 2023 10:39AM - BISHERC

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 records of opacity measurement results, and such records shall be made readily available for District inspection upon request for a period of five years.. [District Rule 1070]
18. 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-2033-5-3

EXPIRATION DATE: 04/30/2022

EQUIPMENT DESCRIPTION:

PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

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.

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-2033-6-3

EXPIRATION DATE: 04/30/2022

EQUIPMENT DESCRIPTION:

PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

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.

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-2033-7-3

EXPIRATION DATE: 04/30/2022

EQUIPMENT DESCRIPTION:

PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION

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.

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-8-9

EXPIRATION DATE: 04/30/2022

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

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% 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 NO_x @ 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 NO_x @ 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 NO_x emissions established through source testing and monthly monitoring. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Final NO_x 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 NO_x 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_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
24. If either the NO_x 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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2033-9-15

EXPIRATION DATE: 04/30/2022

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-8) ULTRA INDUSTRIES MODEL BB 16-58-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-8 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-8 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-8 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-8 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-2033-10-7

EXPIRATION DATE: 04/30/2022

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 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-2033-12-15

EXPIRATION DATE: 04/30/2022

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. During each day of operation, compliance on the limitation on total air flow rate into FCS-1 will be verified using the relationship between flow rate and fan speed for the existing FCS-1 fan, obtained from previous source tests, or other methodology established with prior APCO approval. [District Rule 2201] Federally Enforceable Through Title V Permit
8. 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
9. 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
10. 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
11. Maximum flow rate through high velocity air filter FCS-1 shall not exceed 25,200 acfm. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Visible emissions shall not exceed 1/4 Ringelmann or 5% opacity. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed 0.08 lb/ton of asphalt shingle produced. [40 CFR 60.472] 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. 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
15. 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
16. 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
17. 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
18. 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
19. 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
20. 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
21. 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
22. 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
23. 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
24. 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
25. 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
26. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. 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
28. 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
29. 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
30. 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
31. 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
32. 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
33. 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
34. Permittee shall maintain daily records of asphalt process rate, temperature monitoring results, and parameters required to establish total flow rate into FCS-1 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
35. 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
36. 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-2033-13-8

EXPIRATION DATE: 04/30/2022

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 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-2033-14-8

EXPIRATION DATE: 04/30/2022

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_x @ 3% O₂ or 0.018 lb-NO_x/MMBtu; 200 ppmvd CO @ 3% O₂; 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_x/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_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
8. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of 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_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 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_x 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_x at least once during that year using an APCO approved portable NO_x analyzer. Monitoring for back-up fuel NO_x 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_x 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_x 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 (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
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 NO_x measurements, (2) the measured back-up fuel NO_x 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 NO_x 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 NO_x 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.

ATTACHMENT C

Detailed Summary List of Facility Permits

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:	TitleV 51622	EXPIRE ON: AREA: INSP. DATE:	04/30/2022 105 / 07/23
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-2033-1-6	44,883 gallons	3020-05 C	1	165.00	165.00	A	BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #1
S-2033-2-6	44,883 gallon	3020-05 C	1	165.00	165.00	A	BACK SURFACING FINES RECEIVING AND STORAGE OPERATION INCLUDING 6000 CUBIC FEET (44,883 GALLONS) STORAGE SILO #2
S-2033-3-7	897,660 gallons	3020-05 F	1	362.00	362.00	A	GRANULES RECEIVING AND STORAGE OPERATION
S-2033-5-3	128,216 gallons	3020-05 E	1	296.00	296.00	A	PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION
S-2033-6-3	128,216 gallons	3020-05 E	1	296.00	296.00	A	PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION
S-2033-7-3	128,216 gallon	3020-05 E	1	296.00	296.00	A	PNEUMATIC FILLER RECEIVING AND STORAGE OPERATION
S-2033-8-9	85 hp electric	3020-01 C	1	239.00	239.00	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-2033-9-15	211 hp electric	3020-01 E	1	495.00	495.00	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-8) ULTRA INDUSTRIES MODEL BB 16-58-IIG; COOLING DRUMS AND FINISHED PRODUCT LOOPER
S-2033-10-7	332,000 gallons	3020-05 E	1	296.00	296.00	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-2033-12-15	200 hp electric	3020-01 E	1	495.00	495.00	A	ASPHALT ROOFING SHINGLE COATING OPERATION WITH MACHINE LINE FUME COLLECTION SYSTEM VENTED TO HIGH VELOCITY AIR FILTER (FCS-1)
S-2033-13-8	12,000 kBtu/hr	3020-02 G	1	980.00	980.00	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-2033-14-8	12,000 kBtu/hr	3020-02 G	1	980.00	980.00	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