



MAR 10 2020

Mr. Ricardo Quiroz  
Building Materials Mfg. Corporation  
6505 Zerker Road  
Shafter, CA 93263

**Re: Notice of Preliminary Decision – Title V Permit Renewal**  
**Facility Number: S-3461**  
**Project Number: S-1194249**

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 Building Materials Mfg. Corporation at 6505 Zerker Road in Shafter, California.

The notice of preliminary decision for this project has been posted on the District's website ([www.valleyair.org](http://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. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,

Arnaud Marjollet  
Director of Permit Services

Enclosures

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

**Samir Sheikh**  
Executive Director/Air Pollution Control Officer

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**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
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**Central Region (Main Office)**  
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**Southern Region**  
34946 Flyover Court  
Bakerfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585

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

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed renewal of the Federally Mandated Operating Permit to Building Materials Mfg. Corporation at 6505 Zerker Road in Shafter, California.

The District's analysis of the legal and factual basis for this proposed action, project # S-1194249, is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and at any District office. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed renewal of the Federally Mandated Operating permit. If requested, the District will hold a public hearing regarding issuance of this renewed permit. For additional information, please contact the District at (661) 392-5500. Written comments on this project must be sent or postmarked by <DATE> to [publicnotices@valleyair.org](mailto:publicnotices@valleyair.org) or **ARNAUD MARJOLLET, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 34946 FLYOVER COURT, BAKERSFIELD, CA 93308.**

**AVISO DE DECISIÓN PRELIMINAR  
PARA LA PROPUESTA OTORGACIÓN DE  
UN PERMISO MANDATORIO FEDERAL PARA OPERAR**

POR EL PRESENTE SE NOTIFICA que el Distrito para el Control de la Contaminación del Aire del Valle de San Joaquín está solicitando comentario del público en la propuesta otorgación de un Permiso Mandatorio Federal Para Operar a Building Materials Mfg. Corporation en 6505 Zerker Road in Shafter, California.

El análisis del Distrito de los fundamentos jurídicos y fácticos de esta acción propuesta, Número del Proyecto # S-1194249, está disponible para la inspección del público en [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) y en cualquiera de las oficinas del Distrito. No hay cambios en emisiones asociados con esta propuesta acción. Esta será la única oportunidad para que el público haga comentario en las condiciones específicas de esta propuesta renovación del permiso Mandatorio Federal Para Operar. Si se solicita, el Distrito tendrá una audiencia pública acerca de la otorgación de esta renovación al permiso. Para más información en Español, por favor comuníquese con el Distrito al (661) 392-5500. Comentarios por escrito acerca de este proyecto deben ser sometidos o con matasellos antes del <DATE> a [publicnotices@valleyair.org](mailto:publicnotices@valleyair.org) o a **ARNAUD MARJOLLET, DIRECTOR DEL DEPARTAMENTO DE PERMISOS, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 34946 FLYOVER COURT, BAKERSFIELD, CA 93308.**

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or **ARNAUD MARJOLLET, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN  
VALLEY AIR POLLUTION CONTROL DISTRICT, 34946 FLYOVER COURT,  
BAKERSFIELD, CA 93308.**

**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation  
Building Materials Mfg. Corp dba GAF  
S-3461**

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**TITLE V PERMIT RENEWAL EVALUATION  
Fiberglass Mat Manufacturing**

**Engineer:** David Torii  
**Date:** 2/25/20

**Facility Number:** S-3461  
**Facility Name:** Building Materials Mfg. Corporation, dba GAF  
**Mailing Address:** 6505 Zerker Road  
Shafter, CA 93263

**Contact Name:** Ricardo Quiroz  
**Phone:** 661-391-3406

**Responsible Official:** Ricardo Quiroz  
**Title:** Environmental Engineer

**Project # :** 1194249  
**Deemed Complete:** 1/22/20

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**I. PROPOSAL**

Building Materials Mfg. Corporation's renewed Title V permit was issued on 4/6/2016. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the renewed Title V permit.

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

Note that permit S-3461-1's Equipment Description lists a less-than 250 gallon permit-exempt gasoline storage tank. The permittee has requested that the tank be delisted from the Equipment Description as part of this renewal. Other than the Equipment Description listing, the permit has no requirements for the tank; therefore, the tank will be delisted from the Equipment Description.

**II. FACILITY LOCATION**

Building Materials Mfg. Corporation is located at 6505 Zerker Road, 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 does not propose to use any model general permit templates.

#### **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 applicant is not requesting any model general permit templates. Therefore, all federally enforceable conditions in this current Title V permit will be subject to EPA and public review.

#### **VI. FEDERALLY ENFORCEABLE REQUIREMENTS**

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

- District Rule 2201, New and Modified Stationary Source Review Rule (amended 2/18/16, 8/15/19)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended 7/7/16, 11/13/19)

##### **B. Rules Removed**

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

##### **C. Rules Added**

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

##### **D. Rules Not Updated**

- District Rule 1070 Inspections (amended December 17, 1992)
- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- 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 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4102, Nuisance (amended December 17, 1992)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate (amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment (amended December 17, 1992)
- District Rule 4623, Storage of Organic Liquids (amended May 19, 2005)
- District Rule 4701, Internal Combustion Engines, Phase 1 (amended August 21, 2003)
- District Rule 4801, Sulfur Compounds (1) (amended December 17, 1992)
- District Rule 4702 Internal Combustion Engines (Amended November 14, 2013)
- 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 Standard for Asbestos
- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended March 6, 2013)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (10/22/97)

## **VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE**

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

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

### **A. Rules Added/Updated**

None



**B. Rules Not Updated**

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

**VIII. PERMIT REQUIREMENTS**

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

**A. District Rule 2020 - Exemptions**

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

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

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

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

Fire water pump IC engine S-3461-6 was demonstrated to comply with the requirements of this subpart during its initial permitting in project S1181737 (finalized 10/11/18). This subpart was amended on 11/13/19 to revise the emission standards for particulate matter (PM) for new stationary compression ignition (CI) engines located in remote areas of Alaska. IC engine S-3461-6 is not located in Alaska; therefore, continued compliance with this subpart is expected.

**D. 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 <sub>x</sub>	20,000
SO <sub>x</sub>	140,000
PM <sub>10</sub>	140,000
CO	200,000
VOC	20,000

a. S-3461-1: Fiberglass Mat Manufacturing Operation

This unit is limited to 1.1 lb-SO<sub>x</sub>/day (402 lb/yr), 14.7 lb-PM<sub>10</sub>/day (5,366 lb/yr), 108.9 lb-CO/day (39,749 lb/yr), none of which are at or above the major source thresholds.

This permit unit has an emissions limit for NO<sub>x</sub>, but it does not have add-on controls for NO<sub>x</sub>. Therefore, this unit is not subject to CAM for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub> or CO.

The permit includes an emissions limit for VOC of 54.9 lb-VOC/day (20,039 lb/yr). The forming/impregnation section, oven and dryer are served by the thermal oxidizer.

Since, the controlled emissions are above the major source threshold of 20,000 lb-VOC this unit triggers CAM for VOC.

Conditions 8, 9, 12, 31, 40, 47, 48 and 49, ensure the facility will meet the requirements of CAM by continuously monitoring the operational temperature of the thermal oxidizer. In addition, annual source test will be conducted to ensure the VOC reduction across the thermal oxidizer is 98%.

b. S-3461-3: Vacuum System

This unit contains an emission limit for PM<sub>10</sub> and is equipped with an add control in the form of a cyclone and baghouse.

The PM<sub>10</sub> emission limit is 1.0 lb-PM/day. Assuming that the cyclone and baghouse have a combined control efficiency of 99%, the pre-control PM-to is calculated as follows.

$$\begin{aligned} \text{PE uncontrolled} &= 1.0 \text{ lb-PM}_{10}/\text{day} \times (1/(1 - 99\%)) \times 365 \text{ day/year} \\ &= 36,500 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

Since the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM<sub>10</sub>/year, this permit unit is not subject to CAM.

c. S-3461-4: 6100 Gallon Flocculent Tank

This tank is not equipped with add-on controls; therefore, it is not subject to CAM.

d. S-3461-5: 1575 Gallon Dilute Flocculent Tank

This tank is not equipped with add-on controls; therefore, it is not subject to CAM.

e. S-3461-6: Emergency IC Engine

This engine is not equipped with add-on controls; therefore, it is not subject to CAM.

## **IX. PERMIT SHIELD**

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

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

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

## **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 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 Permit
- B. Previous Title V Operating Permit
- C. Detailed Summary List of Facility Permits

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: S-3461-0-3

EXPIRATION DATE: 06/30/2020

## FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: BUILDING MATERIALS MFG CORP (DBA GAF)

Location: 6505 ZERKER RD, SHAFTER, CA 93263

S-3461-0-3 : Feb 25 2020 11:35AM - TORIO

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. {4400} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. {4401} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. On April 19, 2011, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin April 30 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-3461-1-11

**EXPIRATION DATE:** 06/30/2020

**SECTION:** 15 **TOWNSHIP:** 28S **RANGE:** 26E

## **EQUIPMENT DESCRIPTION:**

FIBERGLASS MAT MANUFACTURING OPERATION INCLUDING MAT FORMING/IMPREGNATION SECTION, 60 MMBTU/HR NATURAL GAS FIRED DRYER, 8 MMBTU/HR NATURAL GAS FIRED OVEN EXHAUSTING TO 7.5 MMBTU/HR NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER, TRIMMING, WINDING, AND BALING UNIT, AND THE FOLLOWING PERMIT EXEMPT EQUIPMENT: COOLING WATER TANK, HOT WATER TANK, DEFECT DYE TANK AND PLANT AIR COMPRESSOR

## **PERMIT UNIT REQUIREMENTS**

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Mat forming/impregnation section shall include: mat forming/impregnation unit, vacuum pump, two pulper agitators, 100 HP transfer roll exhaust fan, 100 HP holding roll exhaust fan, and various liquid transfer pumps. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Dryer and oven shall include: 150 HP drive motor, four 150 HP and two 75 HP circulation fans, 20 hp transfer fan, and 125 HP exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Thermal oxidizer shall include a 300 HP fan motor. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Trimmer/winding/baling operation shall include Kampf GmbH trimmer/winder, two trim fans, rewinder, two cyclones or two expansion chambers, and two scrap balers. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Operation shall include 19 storage vessels: two 6,500 gal. pulpurs, two 31,700 gal. machine chests, 5,500 gal. couch chest, 71,000 gal. white water tank, 900 gal. white water sump, two 250,000 gal. deaeration tanks, 20,000 gal. latex tank, three 20,300 gal. resin tanks, 4,080 gal. surge/mix tank, 20,700 gal. extraction tank, 150,000 gal. Saveall tank, two 121 gal. zinc sulfate tanks, and 4,400 gal. vacuum seal tank. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Thermal oxidizer shall be equipped with a non-resettable natural gas fuel flow meter. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Thermal oxidizer shall be equipped with an operational temperature indicator reading and continuously recording the combustion chamber temperature. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. Thermal oxidizer combustion chamber temperature shall be maintained at or above 1,500 degrees F. whenever mat is in the dryer or oven. [District 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. All dryer and oven exhaust gases shall be vent only to the thermal oxidizer except during startup when no mat is being processed in the dryer or curing oven. [District Rule 2201] Federally Enforceable Through Title V Permit
11. All burners shall be fueled with natural gas consisting principally of methane with a sulfur content less than 1.0 grains per 100 scf and no more than 5% by weight hydrocarbons heavier than butane. [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.

Facility Name: BUILDING MATERIALS MFG CORP (DBA GAF)

Location: 6505 ZERKER RD, SHAFTER, CA 93263

S-3461-1-11 : Feb 25 2020 11:39AM - TORID

12. VOC reduction across thermal oxidizer shall be no less than 98%. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
13. Annual natural gas heat input to thermal oxidizer shall not exceed 59.15 billion BTU's. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The urea-formaldehyde resin shall not have a formaldehyde content in excess of 0.25% by weight or a methanol content in excess of 0.45% by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Urea-formaldehyde usage shall not exceed 21,000 gallons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Monthly average daily throughput of biocides and dispersant shall not exceed 40 gal/day and 80 gal/day, respectively. [District Rule 2201] Federally Enforceable Through Title V Permit
17. No more than 247 tons per day of fiberglass mat shall be manufactured. [District Rule 2201] Federally Enforceable Through Title V Permit
18. PM10 emissions from the forming/impregnation section transfer roll fan exhaust, the holding roll fan exhaust, and the vacuum pump exhaust shall not exceed 0.083 lb/hr each. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Combined emissions from the natural gas-fired dryer and oven shall not exceed any of the following limits: 4.3 ppmvd NOx @ 19% O2 (equivalent to 0.04925 lb-NOx/MMBtu) and 42 ppmvd CO @ 19% O2 (equivalent to 0.29278 lb-CO/MMBtu). If measured O2 concentration is greater than 19%, the corrected NOx or CO concentration is equal to the measured NOx or CO concentration. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
20. Total emissions from the forming/impregnation section, dryer, oven and thermal oxidizer shall not exceed any of the following: PM10 - 0.61 lb/hr (14.7 lb/day), SOx (as SO2) - 0.046 lb/hr (1.1 lb/day), NOx (as NO2) - 7.61 lb/hr (182.6 lb/day), VOC 2.29 lb/hr (54.9 lb/day), or CO - 4.54 lb/hr (108.9 lb/day). [District Rule 2201] Federally Enforceable Through Title V Permit
21. Total VOC emissions from the forming/impregnation section shall not exceed 22.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
22. VOC emissions from each storage vessel shall not exceed 0.5 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
23. VOC emissions from the storage tanks, forming/impregnation section, dryer, oven, and thermal oxidizer covered by this permit, emergency IC engine S-3461-2, and storage tanks S-3461-4 and '-5 shall not exceed 19,787 lb per year. Compliance with this limit will be shown each year in the annual emissions inventory. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Permittee shall monitor and record the stack concentration of NOx, CO, and O2 from the natural gas-fired dryer and oven combined exhaust upstream of the thermal oxidizer 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
25. If either the NOx or CO concentrations corrected to 19% O2 (or no correction if measured above 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 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.

26. 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
27. Permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 19% O<sub>2</sub> (or no correction if measured above 19% O<sub>2</sub>), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit
28. 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
29. Sampling provisions for source testing shall be installed in accordance with Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
30. Source testing shall be conducted using the methods and procedures approved by the District, the District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
31. Source testing to demonstrate compliance with the VOC reduction efficiency across thermal oxidizer shall be conducted at least once every 12 months. [District Rule 1081 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
32. Source testing to measure NO<sub>x</sub> and CO emissions from the combined dryer and oven exhaust shall be conducted at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
33. All test results for NO<sub>x</sub> and CO emissions from the combined dryer and oven exhaust shall be reported in ppmv @ 19% O<sub>2</sub> (or no correction if measured above 19% O<sub>2</sub>), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
34. 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
35. NO<sub>x</sub> 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
36. 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
37. Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
38. 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 Rules 1081 and 4309] Federally Enforceable Through Title V Permit
39. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
40. The following test methods shall be used for measuring the thermal oxidizer VOC reductions efficiency: EPA method 316 for measuring VOCs (as formaldehyde) at the inlet and outlet, and EPA method 2 for measuring the flow rates. [District Rule 1081 and 40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

41. If the transfer roll fan exhaust, holding roll fan exhaust, or vacuum pump exhaust of the forming and impregnation operation exhibits visible emissions equal or greater than 5% opacity for a period or periods aggregating more than 3 minutes in any one hour, compliance testing shall be conducted on the unit(s) exhibiting visible emissions by District-witnessed sample collection within 60 days of District determination. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Permittee shall maintain records of monthly and annual fuel consumption for the thermal oxidizer 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
43. Permittee shall maintain records of the VOC and methanol contents of the urea-formaldehyde resin and daily mat production weight 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
44. Permittee shall maintain annual records of VOC emissions from this operation and from the entire facility 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
45. Permittee shall maintain records of monthly average daily throughputs of biocides and dispersant. [District Rule 2201] Federally Enforceable Through Title V Permit
46. 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
47. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
48. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
49. 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 Part 64] 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-3461-3-3

**EXPIRATION DATE:** 06/30/2020

**EQUIPMENT DESCRIPTION:**

VACUUM SYSTEM FOR GENERAL HOUSEKEEPING INCLUDING 24" CYCLONE, DUROVAC DV 3000 BAGHOUSE, AND BLOWER

## PERMIT UNIT REQUIREMENTS

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1. Dust collector shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing emissions darker than 5% opacity for a period or periods aggregating more than 3 minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. PM10 emission rate of from this operation shall not exceed 1.0 lbs per day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. If the baghouse exhibits visible emissions greater than 5% opacity, District-witnessed compliance particulate matter emissions testing shall be conducted by an independent testing laboratory within 30 days after the emissions are observed. [District Rule 1070] Federally Enforceable Through Title V Permit
5. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
6. 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
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] 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-3461-4-2

**EXPIRATION DATE:** 06/30/2020

**EQUIPMENT DESCRIPTION:**  
6100 GALLON FLOCCULENT TANK

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## PERMIT UNIT REQUIREMENTS

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1. Tank shall only store flocculant. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623] Federally Enforceable Through Title V Permit
3. Monthly average daily throughput shall not exceed 150 gallons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall maintain monthly records of monthly average daily throughput. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
5. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rules 2201 and 4623] 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-3461-5-2

**EXPIRATION DATE:** 06/30/2020

**EQUIPMENT DESCRIPTION:**  
1575 GALLON DILUTE FLOCCULENT TANK

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## PERMIT UNIT REQUIREMENTS

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1. Tank shall only store flocculant and water. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623] Federally Enforceable Through Title V Permit
3. Monthly average daily throughput of flocculant shall not exceed 150 gallons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall maintain monthly records of monthly average daily throughput of flocculent. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
5. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rules 2201 and 4623] 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-3461-6-2

EXPIRATION DATE: 06/30/2020

## EQUIPMENT DESCRIPTION:

99 HP CLARKE MODEL UFADJ2 DIESEL-FIRED IC EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

## PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. {14} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. {15} No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
4. {3395} Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
5. {3404} This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. {3807} An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115]
7. {3809} This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.94 g-NOx/bhp-hr, 0.7 g-CO/bhp-hr, or 0.09 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115]
9. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115]
10. {3475} All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]
11. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
12. {3489} The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]

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

Facility Name: BUILDING MATERIALS MFG CORP (DBA GAF)

Location: 6505 ZERKER RD, SHAFTER, CA 93263

S-3461-6-2: Feb 25 2020 11:39AM - TORID



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# ATTACHMENT B

Previous Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: S-3461-0-2

EXPIRATION DATE: 06/30/2020

## FACILITY-WIDE REQUIREMENTS

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: BUILDING MATERIALS MFG CORP (DBA GAF)

Location: 6505 ZERKER RD, SHAFTER, CA 93263

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. On April 19, 2011, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin April 30 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-3461-1-9

**EXPIRATION DATE:** 06/30/2020

**SECTION:** 15 **TOWNSHIP:** 28S **RANGE:** 26E

## **EQUIPMENT DESCRIPTION:**

FIBERGLASS MAT MANUFACTURING OPERATION INCLUDING MAT FORMING/IMPREGNATION SECTION, 60 MMBTU/HR NATURAL GAS FIRED DRYER, 8 MMBTU/HR NATURAL GAS FIRED OVEN EXHAUSTING TO 7.5 MMBTU/HR NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER, TRIMMING, WINDING, AND BALING UNIT, AND THE FOLLOWING PERMIT EXEMPT EQUIPMENT: COOLING WATER TANK, HOT WATER TANK, DEFECT DYE TANK, <250 GALLON GASOLINE STORAGE TANK, AND PLANT AIR COMPRESSOR

## **PERMIT UNIT REQUIREMENTS**

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Mat forming/impregnation section shall include: mat forming/impregnation unit, vacuum pump, two pulper agitators, 100 HP transfer roll exhaust fan, 100 HP holding roll exhaust fan, and various liquid transfer pumps. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Dryer and oven shall include: 150 HP drive motor, four 150 HP and two 75 HP circulation fans, 20 hp transfer fan, and 125 HP exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Thermal oxidizer shall include a 300 HP fan motor. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Trimmer/winding/baling operation shall include Kampf GmbH trimmer/winder, two trim fans, rewinder, two cyclones or two expansion chambers, and two scrap balers. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Operation shall include 19 storage vessels: two 6,500 gal. pulpers, two 31,700 gal. machine chests, 5,500 gal. couch chest, 71,000 gal. white water tank, 900 gal. white water sump, two 250,000 gal. deaeration tanks, 20,000 gal. latex tank, three 20,300 gal. resin tanks, 4,080 gal. surge/mix tank, 20,700 gal. extraction tank, 150,000 gal. Saveall tank, two 121 gal. zinc sulfate tanks, and 4,400 gal. vacuum seal tank. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Thermal oxidizer shall be equipped with a non-resettable natural gas fuel flow meter. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Thermal oxidizer shall be equipped with an operational temperature indicator reading and continuously recording the combustion chamber temperature. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. Thermal oxidizer combustion chamber temperature shall be maintained at or above 1,500 degrees F. whenever mat is in the dryer or oven. [District 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. All dryer and oven exhaust gases shall be vent only to the thermal oxidizer except during startup when no mat is being processed in the dryer or curing oven. [District Rule 2201] Federally Enforceable Through Title V Permit
11. All burners shall be fueled with natural gas consisting principally of methane with a sulfur content less than 1.0 grains per 100 scf and no more than 5% by weight hydrocarbons heavier than butane. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. VOC reduction across thermal oxidizer shall be no less than 98%. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
13. Annual natural gas heat input to thermal oxidizer shall not exceed 59.15 billion BTU's. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The urea-formaldehyde resin shall not have a formaldehyde content in excess of 0.25% by weight or a methanol content in excess of 0.45% by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Urea-formaldehyde usage shall not exceed 21,000 gallons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Monthly average daily throughput of biocides and dispersant shall not exceed 40 gal/day and 80 gal/day, respectively. [District Rule 2201] Federally Enforceable Through Title V Permit
17. No more than 247 tons per day of fiberglass mat shall be manufactured. [District Rule 2201] Federally Enforceable Through Title V Permit
18. PM10 emissions from the forming/impregnation section transfer roll fan exhaust, the holding roll fan exhaust, and the vacuum pump exhaust shall not exceed 0.083 lb/hr each. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Combined emissions from the natural gas-fired dryer and oven shall not exceed any of the following limits: 4.3 ppmvd NOx @ 19% O2 (equivalent to 0.04925 lb-NOx/MMBtu) and 42 ppmvd CO @ 19% O2 (equivalent to 0.29278 lb-CO/MMBtu). If measured O2 concentration is greater than 19%, the corrected NOx or CO concentration is equal to the measured NOx or CO concentration. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
20. Total emissions from the forming/impregnation section, dryer, oven and thermal oxidizer shall not exceed any of the following: PM10 - 0.61 lb/hr (14.7 lb/day), SOx (as SO2) - 0.046 lb/hr (1.1 lb/day), NOx (as NO2) - 7.61 lb/hr (182.6 lb/day), VOC 2.29 lb/hr (54.9 lb/day), or CO - 4.54 lb/hr (108.9 lb/day). [District Rule 2201] Federally Enforceable Through Title V Permit
21. Total VOC emissions from the forming/impregnation section shall not exceed 22.5 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
22. VOC emissions from each storage vessel shall not exceed 0.5 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
23. VOC emissions from the storage tanks, forming/impregnation section, dryer, oven, and thermal oxidizer covered by this permit, emergency IC engine S-3461-2, and storage tanks S-3461-4 and '-5 shall not exceed 19,787 lb per year. Compliance with this limit will be shown each year in the annual emissions inventory. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Permittee shall monitor and record the stack concentration of NOx, CO, and O2 from the natural gas-fired dryer and oven combined exhaust upstream of the thermal oxidizer 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
25. If either the NOx or CO concentrations corrected to 19% O2 (or no correction if measured above 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 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.

26. 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
27. Permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 19% O<sub>2</sub> (or no correction if measured above 19% O<sub>2</sub>), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit
28. 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
29. Sampling provisions for source testing shall be installed in accordance with Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
30. Source testing shall be conducted using the methods and procedures approved by the District, the District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
31. Source testing to demonstrate compliance with the VOC reduction efficiency across thermal oxidizer shall be conducted at least once every 12 months. [District Rule 1081 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
32. Source testing to measure NO<sub>x</sub> and CO emissions from the combined dryer and oven exhaust shall be conducted at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
33. All test results for NO<sub>x</sub> and CO emissions from the combined dryer and oven exhaust shall be reported in ppmv @ 19% O<sub>2</sub> (or no correction if measured above 19% O<sub>2</sub>), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
34. 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
35. NO<sub>x</sub> 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
36. 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
37. Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
38. 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 Rules 1081 and 4309] Federally Enforceable Through Title V Permit
39. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rules 1081 and 4309] Federally Enforceable Through Title V Permit
40. The following test methods shall be used for measuring the thermal oxidizer VOC reductions efficiency: EPA method 316 for measuring VOCs (as formaldehyde) at the inlet and outlet, and EPA method 2 for measuring the flow rates. [District Rule 1081 and 40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



41. If the transfer roll fan exhaust, holding roll fan exhaust, or vacuum pump exhaust of the forming and impregnation operation exhibits visible emissions equal or greater than 5% opacity for a period or periods aggregating more than 3 minutes in any one hour, compliance testing shall be conducted on the unit(s) exhibiting visible emissions by District-witnessed sample collection within 60 days of District determination. [District Rule 2201] Federally Enforceable Through Title V Permit
42. Permittee shall maintain records of monthly and annual fuel consumption for the thermal oxidizer 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
43. Permittee shall maintain records of the VOC and methanol contents of the urea-formaldehyde resin and daily mat production weight 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
44. Permittee shall maintain annual records of VOC emissions from this operation and from the entire facility 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
45. Permittee shall maintain records of monthly average daily throughputs of biocides and dispersant. [District Rule 2201] Federally Enforceable Through Title V Permit
46. 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
47. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
48. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
49. 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 Part 64] 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-3461-3-2

**EXPIRATION DATE:** 06/30/2020

**EQUIPMENT DESCRIPTION:**

VACUUM SYSTEM FOR GENERAL HOUSEKEEPING INCLUDING 24" CYCLONE, DUROVAC DV 3000 BAGHOUSE, AND BLOWER

## PERMIT UNIT REQUIREMENTS

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1. Dust collector shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing emissions darker than 5% opacity for a period or periods aggregating more than 3 minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
3. PM10 emission rate of from this operation shall not exceed 1.0 lbs per day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. If the baghouse exhibits visible emissions greater than 5% opacity, District-witnessed compliance particulate matter emissions testing shall be conducted by an independent testing laboratory within 30 days after the emissions are observed. [District Rule 1070] Federally Enforceable Through Title V Permit
5. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
6. 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
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] 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-3461-4-1

**EXPIRATION DATE:** 06/30/2020

**EQUIPMENT DESCRIPTION:**  
6100 GALLON FLOCCULANT TANK:

## PERMIT UNIT REQUIREMENTS

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1. Tank shall only store flocculant. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623] Federally Enforceable Through Title V Permit
3. Monthly average daily throughput shall not exceed 150 gallons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall maintain monthly records of monthly average daily throughput. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
5. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rules 2201 and 4623] 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-3461-5-1

**EXPIRATION DATE:** 06/30/2020

**EQUIPMENT DESCRIPTION:**

1575 GALLON DILUTE FLOCCULANT TANK:

## PERMIT UNIT REQUIREMENTS

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1. Tank shall only store flocculant and water. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623] Federally Enforceable Through Title V Permit
3. Monthly average daily throughput of flocculant shall not exceed 150 gallons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall maintain monthly records of monthly average daily throughput of flocculent. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
5. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rules 2201 and 4623] 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-3461-6-1

**EXPIRATION DATE:** 06/30/2020

**EQUIPMENT DESCRIPTION:**

99 HP CLARKE MODEL UFADJ2 DIESEL-FIRED IC EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115]
7. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.94 g-NO<sub>x</sub>/bhp-hr, 0.7 g-CO/bhp-hr, or 0.09 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115]
9. Emissions from this IC engine shall not exceed 0.15 g-PM<sub>10</sub>/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115]
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]
11. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]

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

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# ATTACHMENT C

## Detailed Summary List of Facility Permits

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### Detailed Facility Report

For Facility=3461 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

<b>BUILDING MATERIALS MFG CORP (DBA GAF)</b>	<b>FAC #</b> S 3461	<b>TYPE:</b> TR06V	<b>EXP. DATE:</b> 06/30/2020
<b>6605 ZERKER RD</b>	<b>STATUS:</b> A	<b>TOXIC ID:</b> 60304	<b>AREA:</b> 5 /
<b>SHAFTER, CA 93263</b>	<b>TELEPHONE:</b> 6613371110		<b>INSP. DATE:</b> 12/20

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-3461-1-9	75.5 MMBTU/HR	3020-02 H	1	1,238.00	1,238.00	A	FIBERGLASS MAT MANUFACTURING OPERATION INCLUDING MAT FORMING/IMPREGNATION SECTION, 60 MMBTU/HR NATURAL GAS FIRED DRYER, 8 MMBTU/HR NATURAL GAS FIRED OVEN EXHAUSTING TO 7.5 MMBTU/HR NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER, TRIMMING, WINDING, AND BALING UNIT, AND THE FOLLOWING PERMIT EXEMPT EQUIPMENT: COOLING WATER TANK, HOT WATER TANK, DEFECT DYE TANK, <250 GALLON GASOLINE STORAGE TANK, AND PLANT AIR COMPRESSOR
S-3461-3-2	30 electric motor hp	3020-01 B	1	143.00	143.00	A	VACUUM SYSTEM FOR GENERAL HOUSEKEEPING INCLUDING 24" CYCLONE, DUROVAC DV 3000 BAGHOUSE, AND BLOWER
S-3461-4-1	6100 gallons	3020-05 B	1	113.00	113.00	A	6100 GALLON FLOCCULANT TANK:
S-3461-5-1	1575 gallons	3020-05 A	1	91.00	91.00	A	1575 GALLON DILUTE FLOCCULANT TANK:
S-3461-6-1	99 hp	3020-10 A	1	98.00	98.00	A	99 HP CLARKE MODEL UFADJ2 DIESEL-FIRED IC EMERGENCY IC ENGINE POWERING A FIRE WATER PUMP

Number of Facilities Reported: 1