



APR 13 2017

Ms. Wendy Garcia
Vitro Flat Glass LLC
3333 S Peach Ave
Fresno, CA 93725

**Re: Notice of Preliminary Decision – Title V Permit Renewal
District Facility # C-948
Project # C-1152417**

Dear Ms. Garcia:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Vitro Flat Glass LLC at 3333 South Peach Avenue, Fresno, California.

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

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

Sincerely,

Arnaud Marjolle
Director of Permit Services

Enclosures

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

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**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
Vitro Flat Glass, LLC.
C-948**

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TITLE V PERMIT RENEWAL EVALUATION

Flat Glass Manufacturing

Engineer: Brian Clerico
Date: April 11, 2017

Facility Number: C-948
Facility Name: Vitro Flat Glass, LLC
Mailing Address: 3333 S Peach Avenue
Fresno, CA 93725

Contact Name: Wendy Garcia
Phone: (559) 493-3204

Responsible Official: Javier Gutierrez
Title: Plant Manager

Project # : C-1152417
Deemed Complete: September 22, 2015

I. PROPOSAL

Vitro Flat Glass, LLC (formerly owned by PPG Industries, Inc.) was last issued a renewed Title V permit on May 12, 2011. In accordance with District Rule 2520, the applicant has filed for a permit renewal. The existing Title V permit will be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

On September 6, 2016, the District received an application to transfer the ownership of facility C-948 from PPG Industries, Inc. to Vitro Flat Glass, LLC (See Attachment D, project C-1162391). A transfer of ownership is an Administrative Amendment to the Title V permit under District Rule 2520. This Title V Renewal project will include the transfer of permits from PPG Industries, Inc. to Vitro Flat Glass, LLC.

In addition, at the request of Vitro Flat Glass, Authority to Construct (ATC) C-948-17-7 (Attachment D) will be incorporated into the Title V permit with this renewal. The modification authorized under ATC C-948-7-17 may be classified as a Minor Modification to the Title V permit. There is no change in emissions associated with the modification.

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

II. FACILITY LOCATION

Vitro Flat Glass, LLC is located at 3333 South Peach Avenue in Fresno, California.

III. EQUIPMENT LISTING

A list of all permitted equipment at the facility is included as Attachment C.

IV. GENERAL PERMIT TEMPLATE USAGE

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

V. SCOPE OF EPA AND PUBLIC REVIEW

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 2020, Exemptions (amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended February 18, 2016)
- District Rule 4354, Glass Melting Furnaces (amended May 19, 2011)
- District Rule 4702, Internal Combustion Engines – Phase 2 (amended November 14, 2013)
- 40 CFR Part 60, Subpart A, Section 13, Monitoring Requirements
- 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended on July 7, 2016)

- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended February 27, 2014)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM)
- 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended June 25, 2013)
- 40 CFR 82, Subpart F, Recycling and Emissions Reduction (amended April 10, 2015)

B. Rules Removed

None.

C. Rules Added

- District Rule 2410, Prevention of Significant Deterioration (adopted June 16, 2011, effective November 26, 2012)

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 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001)
- District Rule 4101, Visible Emissions (amended February 17, 2005)

- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate (amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment (amended December 17, 1992)
- District Rule 4601, Architectural Coatings (amended December 17, 2009)
- District Rule 4701, Internal Combustion Engines – Phase I (amended August 21, 2003)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)
- District Rule 8011, General Requirements (Amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, and Extraction 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 60, Subpart CC, Standard of Performance for Glass Manufacturing Plants (Amended October 17, 2000)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended September 18, 2003)
- 40 CFR 61 Subpart N, National Emission Standards for Arsenic Emissions from Glass Manufacturing Plants (Amended October 17, 2000)
- 40 CFR Part 68, Chemical Accident Prevention Provisions (amended April 9, 2004)
- 40 CFR Part 72, Acid Rain Program

- 40 CFR Part 73, Sulfur Dioxide Allowance System (amended May 12, 2005)
- 40 CFR Part 75, Continuous Emission Monitoring (amended March 28, 2011)
- 40 CFR Part 77, Excess Emissions (amended April 28, 2006)

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

There are no new rules that are not federally enforceable that were added.

B. Rules Not Updated

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

VIII. FEDERALLY ENFORCEABLE 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 renewed Title V permit from 2001.

A. District Rule 2020 - Exemptions

District Rule 2020 lists categories of equipment which are exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions.

The amendments to this rule involved (1) revisions to the HAP source definition, (2) incorporating additional EPA approved fuel sulfur test methods; (3) adding a small producer exemption for heavy oil storage tanks; (4) and clarifying the existing portable equipment exemption from permits.

The revisions do not affect the permitted units at Vitro and will therefore not be addressed in this evaluation.

B. District Rule 2201 - New and Modified Stationary Source Review Rule

District Rule 2201 has been amended since this facility's initial Title V permit was issued. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit, except for the terms from Authority to Construct C-948-17-7 (see Attachment D), project C-1161069, which are being included as part of this Title V permit renewal.

Project C-1161069 was subject to the NSR Rule, and the Authority to Construct issued in that project is being incorporated into the Title V permit as part of this Title V Renewal. As a result, the following NSR terms are being incorporated into the Title V permit within this renewal:

- Conditions #3, 5, 6, 7 and 9 were added and conditions #4 and 11 were modified as a result of incorporating ATC C-948-17-7. The renewed permit # will be C-948-17-6.

The District has replaced "District NSR Rule" with "District Rule 2201" throughout the permits for consistency with current rule referencing practice.

C. District Rule 2410 – Prevention of Significant Deterioration

District Rule 2410 has been newly adopted since this Title V permit was last renewed. However the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any PSD permit actions have already been incorporated into the current Title V permit.

Authority to Construct C-948-17-7, which is being incorporated into the Title V permit with this renewal, did not trigger any PSD requirements.

D. District Rule 2520 - Federally Mandated Operating Permits

No changes to this rule have occurred since renewal of the TV permit; however, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

Greenhouse Gas Discussion

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas

Reporting rule (40 CFR Part 98) is not included in the definition of an applicable requirement within Title V (per 40 CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

C-948-17-6: Interleaving solution mixing and application

The following two Rule 2520 record keeping conditions #9 and 10 from PTO C-948-17-5 were combined into a single condition #12 on the renewed permit:

- 9. The pressure drop across the scrubber shall be measured with a manometer (or similar device) and recorded quarterly during operation of this unit. [District Rule 2520, 9.4.2]
- 10. Records of scrubber pressure drop shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2]
- 12. The permittee shall measure and record the pressure drop across the scrubber at least once each quarter. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520]

E. District Rule 4354 - Glass Melting Furnaces

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compounds (VOC), oxides of sulfur (SO_x), and particulate matter (PM₁₀) from glass melting furnaces.

The version of this rule that was analyzed during the previous renewal was the September 16, 2010 version. The May 19, 2011 included an amendment to Section 5.5.5 of the rule adding an exemption from the emission limits of the rule for oxy-fuel fired furnaces during a start-up period. A start-up period is defined in the rule as the time after initial construction or a rebuilding of the furnace.

The glass furnace at Vitro Flat Glass is oxy-fueled. However, in order for this provision to apply, the furnace would have to undergo a replacement or rebuild, which would require an ATC from the District. Since Vitro has not undergone a replacement or rebuild, or received an ATC for such a modification, this provision does not apply at present, and no further discussion is required.

As required by Section 7.2.1.4, Vitro Flat Glass has submitted a complete ATC application by June 1, 2016 to install a non-catalytic selective reduction system to bring the glass furnace into compliance with the Tier 4 enhanced option NO_x limits of Table 1 by January 1, 2018. The District issued ATC C-948-11-18 with a Certificate of Conformity on March 16, 2017.

No other changes to Rule 4354 have been made since the previous Title V renewal; therefore, no modification to the present Title V permit is required for Rule 4354 compliance.

F. District Rule 4702 - Internal Combustion Engines Phase 2

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines.

This rule applies to any internal combustion engine with a rated brake horsepower greater than 50 horsepower.

The version of this rule that was analyzed during the previous renewal was the January 18, 2007. There have been two subsequent amended version since the last renewal. All the engines permitted to Vitro Flat Glass are emergency-standby engines powering electrical generators, water pumps for fire suppression, or air compressors. None of the updated versions of this rule affect the requirements for emergency-standby engines.

C-948-3: Emergency diesel IC engine powering a water pump for fire suppression.

Condition #6 on PTO C-9487-3-2 had the following obsolete fuel recordkeeping condition:

- The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115]

The above condition was based on a recordkeeping requirement from a September 2005 version of the Airborne Toxic Control Measure for Stationary Compression Ignition Engines (Stationary ATCM) that applied to "in-use" emergency-standby diesel IC engines.

The current (May 2011) version of the Stationary ATCM no longer has this requirement. The District uses the following standard condition for all emergency IC engines to satisfy both Rule 4702 and the Stationary ATCM:

- The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115]

C-948-3, '-24 and '-25: Emergency diesel IC engines powering water pumps.

Since C-948-3, '-24 and '-25 are not powering generators, the following Rule 4702 condition was removed from C-948-3-2 (condition #10), '-24-2 (condition #8), and '-25-2 (condition #8):

- This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702]

No other modifications to the IC engine permits for Rule 4702 compliance are required.

G. 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines

40 CFR Part 60, Subpart IIII applies to compression-ignited internal combustion engines.

§ 60.4200 Am I subject to this subpart?

None of the CI engines currently under Vitro Flat Glass' Title V permit commenced construction after July 11, 2005, or were modified or reconstructed after July 11, 2005. Therefore, this subpart does not apply to any of the CI engines on Vitro Flat Glass' current permit.

H. 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines

Since of the IC engines have not previously been evaluated under Subpart ZZZZ, the applicable sections will be discussed below.

§63.6580 What is the purpose of subpart ZZZZ?

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

§63.6585 Am I subject to this subpart?

You are subject to this subpart if you own or operate a stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

Emergency diesel IC engines C-948-2, '-3, '-18, '-22, '-23, '-24, '-25, and '-28 are subject to this subpart.

§63.6590 What parts of my plant does this subpart cover?

This subpart applies to each affected source.

§63.6590(a) states that an affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

This facility is an area source of HAP emissions; therefore, this subpart applies.

§63.6590(a)(1)(iii) states that for stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

All the emergency IC engines at this facility C-948-2, '-3, '-18, '-22, '-23, '-24, '-25, and '-28 are existing since they were installed before June 12, 2006.

§63.6590(b)(3) states that the following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

- (i) Existing spark ignition 2 stroke lean burn (2SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;
- (ii) Existing spark ignition 4 stroke lean burn (4SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;
- (iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;
- (iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

- (v) Existing stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

The existing emergency engines at this facility do not qualify for any of the exemptions listed in §63.6590(b)(3)(i) through §63.6590(b)(3)(v) above.

§ 63.6590(c) states that an affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- (1) A new or reconstructed stationary RICE located at an area source;
- (2) A new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;
- (3) A new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake HP located at a major source of HAP emissions;
- (4) A new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;
- (5) A new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;
- (6) A new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;
- (7) A new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

None of the emergency IC engine at this facility meet any of the criteria in paragraphs (c)(1) through (7) of this section.

§63.6595 When do I have to comply with this subpart?

§ 63.6595(a)(1) requires existing stationary CI RICE located at an area source of HAP emissions to comply with the applicable emission limitations and operating limitations no later than May 3, 2013.

Emergency diesel IC engines C-948-2, '-3, '-18, '-22, '-23, '-24, '-25, and '-28 are subject to this subpart are existing stationary CI RICE located at an area source of HAP emissions; therefore, the full compliance date for Subpart ZZZZ is May 3, 2013.

§63.6603 What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

- (a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b.

Note, there are no Table 2b operating limitations for emergency engines; whereas, Table 2d as the following requirements applicable to emergency CI RICE:

Table 2d to Subpart ZZZZ of Part 63 - Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions.

As stated in §§63.6603 and 63.6640, the following table applies to existing stationary RICE located at area sources of HAP emissions:

For each . . .	You must meet the following requirements, except during periods of startup . . .	During periods of startup you must . . .
4. Emergency stationary CI RICE and black start stationary CI RICE. ²	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; ¹	N/A
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and	N/A
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	N/A

¹ Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of this subpart.

² If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

The following new conditions will be included on the proposed renewed PTOs C-948-2, '-3, '-18, '-22, '-23, '-24, '-25, and '-28 to ensure compliance with the requirements of Table 2d:

- The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ]
- The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ]

- The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ]

§63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions:

- (1) An existing stationary RICE with a site rating of less than 100 HP located at a major source of HAP emissions;
- (2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;
- (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;

§63.6625(e)(3) applies to all the emergency IC engines at this facility. The following existing condition will show compliance with this section:

- {modified 4261} This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ]

(h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

§63.6625(h) applies to all the emergency IC engines at this facility. The following condition will ensure compliance with this section:

- The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ]

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

The facility has the option to utilize an oil analysis program as described in §63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart. Therefore, the following condition will be included on the proposed PTOs pursuant to §63.6625(i) to ensure compliance:

- The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or

operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ]

§63.6640 How do I demonstrate continuous compliance with the emission limitations and operating limitations?

(a) You must demonstrate continuous compliance with each emission limitation and operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

As indicated under §63.6603 discussion above, item #4 of Table 2d is applicable to emergency CI RICE located at area sources of HAP emissions. Similarly, item #9 of Table 6 is applicable to existing emergency stationary RICE located at an area source of HAP as below:

Table 6 to Subpart ZZZZ of Part 63 - Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each . . .	Complying with the requirement to . . .	You must demonstrate continuous compliance by . . .
9. Existing emergency and black start stationary RICE located at an area source of HAP	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

The following previously indicated condition will ensure compliance with the requirements of Table 6:

- {modified 4261} This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ]

§63.6640(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

- (1) There is no time limit on the use of emergency stationary RICE in emergency situations.
- (2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).
 - (i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains

records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(1) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

The following existing condition on the proposed renewed PTOs C-948-2, '-3, '-18, '-22, '-23, '-24, '-25, and '-28 will include a reference to Subpart ZZZZ:

- {modified 3495} This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and

required regulatory purposes shall not exceed XX* hours per year. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ]

*Note hours are limited by the State Air Toxic Control Measure for Stationary Compression Ignition Engines. Each emergency engine permit has an hour limitation corresponding to its PM emission rate.

§63.6645 What notifications must I submit and when?

There are no notifications necessary for existing emergency engines.

§63.6650 What reports must I submit and when?

There are no report submittals necessary for existing emergency engines.

§63.6655 What records must I keep?

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in §63.6640(f)(2)(ii) or (iii) or §63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

- (2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

The following existing condition will include a reference to this subpart on the proposed PTOs C-948-2, '-3, '-18, '-22, '-23, '-24, '-25, and '-28 to ensure compliance with the requirements of:

- {modified 3404} This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ]

§63.6660 In what form and how long must I keep my records?

§63.6660(a) states that your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).

§63.6660(b) states that as specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

§63.6660(c) states that you must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

Therefore, the following condition will be included on the proposed PTOs to ensure compliance:

- {modified 3873} All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070, 4702, 2520, 9.4, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ]

Summary of Subpart ZZZZ Permit Conditions:

- The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] - §63.6625(h)
- The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] - §63.6603/63.6640 Table 2d, Row 4.a
- The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, whichever comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must

keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ]

- The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] - §63.6603/63.6640 Table 2d, Row 4.b
- The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] - §63.6603/63.6640 Table 2d, Row 4.c
- {modified 3404} This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] - §63.6655(f)
- {modified 4261} This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] - Table 6
- {modified 3873} All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070, 2520, and 4702; 17 CCR 93115; and 40 CFR 63 Subpart ZZZZ] - §63.6660

I. **40 CFR Part 64, - Compliance Assurance Monitoring**

The CAM rule requires facilities to monitor the performance of their emission control equipment. EPA developed 40 CFR 64 (Compliance Assurance Monitoring or "CAM") in order to provide *reasonable assurance* (§64.3(a)) that facilities comply with emissions limitations *by monitoring the operation and maintenance of their control devices*.

§64.1 Definitions

This section defines the key terms in the CAM rule.

§64.2(a) General Applicability

Except for certain exemptions enumerated in subpart (b), CAM requirements apply to a pollutant specific emissions unit at a Major Source if the unit satisfies all of the following criteria:

- 1) the unit must have an emission limit for the pollutant; and

- 2) the unit must have add-on controls for the pollutant that enable it to achieve the emission limit; and
- 3) the unit must have a pre-control potential to emit for that pollutant greater than the Major Source threshold for that pollutant.

CAM Applicability Determinations by Permit Unit:

Although CAM applicability determinations were performed in the previous Title V Renewal project C-1062650, the Major Source thresholds for NOx and VOC have decreased since. Therefore, all units will be re-evaluated in this Title V Renewal to ensure compliance.

The following Major Source thresholds will be used to determine whether CAM is triggered.

Major Source Thresholds	
Pollutant	lb/year
NOx	20,000
SOx	140,000
PM10	140,000
CO	200,000
VOC	20,000

Emergency Diesel IC Engines: C-948-2, '-3, '-18, '-22, '-23, '-24, '-25, '-28

None of the emergency IC engines have add-on controls; therefore, they are not subject to CAM.

Sand Storage Silos C-948-4 and '-5:

The sand storage silos C-948-4 and '-5-4 are not subject to CAM since they do not have a PM10 emissions limit, the only pollutant emitted by these units.

Train Shed Unloading C-948-6:

The train shed unloading operation C-948-6 has PM10 emission limits for silo loading (0.0003 lb-PM10/ton) and unloading (0.00025 lb-PM10/ton) and add-on control devices (baghouses) that enable those emission limits to be achieved.

Controlled Potential to Emit (PE):

$$\begin{aligned} \text{Annual PE}_{\text{loading}} &= (0.0003 \text{ lb-PM10/ton}) \times (10,080 \text{ ton/day}) \times (365 \text{ day/yr}) \\ &= 1,104 \text{ lb-PM10/yr} \end{aligned}$$

$$\begin{aligned}\text{Annual PE}_{\text{unloading}} &= (0.00025 \text{ lb-PM10/ton}) \times (1,728 \text{ ton/day}) \times (365 \text{ day/yr}) \\ &= 158 \text{ lb-PM10/yr}\end{aligned}$$

$$\begin{aligned}\text{Combined Controlled PE} &= \text{PE}_{\text{loading}} + \text{PE}_{\text{unloading}} \\ &= 1,104 \text{ lb-PM10/yr} + 158 \text{ lb-PM10/yr} \\ &= 1,262 \text{ lb-PM10/yr}\end{aligned}$$

Assuming the baghouse(s) provide 99% control of PM10, the uncontrolled PE may be calculated as

$$\begin{aligned}\text{Combined Uncontrolled PE} &= \text{Controlled PE} \div (1 - \text{control efficiency}) \\ &= 1,262 \text{ lb-PM10/yr} \div (1 - 0.99) \\ &= 126,200 \text{ lb-PM10/yr}\end{aligned}$$

Since the uncontrolled PE does not exceed the PM10 major source threshold of 140,000 lb/year, CAM is not applicable to this unit for PM10.

Cullet Storage Silo and Crusher C-948-7

The cullet storage and crushing operation C-948-7 has PM10 emission limits for cullet crushing (0.0012 lb-PM10/ton), screening (0.00074 lb-PM10/ton), and conveying (0.000046 lb-PM10/ton) and an add-on control devices (i.e, a baghouse) that enable those emission limits to be achieved.

Controlled Potential to Emit (PE):

$$\begin{aligned}\text{Annual PE}_{\text{crushing}} &= (0.0012 \text{ lb-PM10/ton}) \times (5,183 \text{ ton/day}) \times (365 \text{ day/yr}) \\ &= 2,270 \text{ lb-PM10/yr}\end{aligned}$$

$$\begin{aligned}\text{Annual PE}_{\text{screening}} &= (0.00074 \text{ lb-PM10/ton}) \times (650 \text{ ton/day})^1 \times (365 \text{ day/yr}) \\ &= 176 \text{ lb-PM10/yr}\end{aligned}$$

$$\begin{aligned}\text{Annual PE}_{\text{conveying}} &= (0.000046 \text{ lb-PM10/ton}) \times (650 \text{ ton/day}) \times (365 \text{ day/yr}) \\ &= 11 \text{ lb-PM10/yr}\end{aligned}$$

$$\begin{aligned}\text{Combined Controlled PE} &= \text{PE}_{\text{crushing}} + \text{PE}_{\text{screening}} + \text{PE}_{\text{conveying}} \\ &= (2,270 + 176 + 11) \text{ lb-PM10/yr} \\ &= 2,457 \text{ lb-PM10/yr}\end{aligned}$$

The baghouse serving these operations has a manufacturer's guarantee to control PM10 emissions by 99% or better. The uncontrolled PE is calculated as follows:

¹ From the potential to emit calculation in the application review for ATC C-948-7-6, project C-1132033.

$$\begin{aligned}\text{Combined Uncontrolled PE} &= \text{Controlled PE} \div (1 - \text{control efficiency}) \\ &= 2,457 \text{ lb-PM}_{10}/\text{yr} \div (1 - 0.99) \\ &= 245,700 \text{ lb-PM}_{10}/\text{yr}\end{aligned}$$

Since the uncontrolled PE exceeds the PM₁₀ major source threshold of 140,000 lb/year, CAM is applicable to this unit for PM₁₀.

The following existing conditions (#1, 8, 9, 10, 18), modified as indicated, and new condition (#21) will satisfy the requirements from 40 CFR Part 64:

- 1. Visible emissions from the baghouse shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201 and 40 CFR Part 64]
- 8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64]
- 9. The differential pressure gauge reading range for the baghouse shall be maintained between 0.5 and 9 inches of water column. [District Rule 2201 and 40 CFR Part 64]
- 10. Differential operating pressure for the baghouse shall be monitored and recorded on each day that the baghouse operates. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2201 and 40 CFR Part 64]
- 18. ~~Visible emissions shall be inspected quarterly during operation.~~ Visible emissions from the cullet crushing operation shall be evaluated using EPA Method 9 for a period of at least 6 minutes at least once during each day the crusher operates. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520 and 40 CFR Part 64]
- 21. 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]

Soda Ash Storage Silo C-948-8

The soda ash storage silo is a source of PM10 emissions; no other pollutants are emitted. The silo has an emission rate limit of 0.001 gr-PM10/dscf and is equipped with baghouses that enable it to meet that emission limit.

The controlled potential to emit from both baghouses is calculated as follows:

$$\begin{aligned}\text{Annual PE} &= 0.001 \text{ gr/dscf} \div 7,000 \text{ gr/lb} \times [4,400 \text{ ft}^3/\text{min} + 1,200 \text{ ft}^3/\text{min}] \times \\ &1,440 \text{ min/day} \times 365 \text{ days/year} \\ &= 420 \text{ lb-PM10/year}\end{aligned}$$

The uncontrolled potential to emit is calculated as follows:

$$\begin{aligned}\text{Uncontrolled PE} &= \text{Controlled PE} \div (1 - \text{control efficiency}) \\ &= 420 \text{ lb-PM10/yr} \div (1 - 0.99) \\ &= 42,000 \text{ lb-PM10/yr}\end{aligned}$$

Since the uncontrolled PE does not exceed the PM10 major source threshold of 140,000 lb/year, CAM is not applicable to this unit for PM10.

Electrostatic Precipitator Waste Delivery System C-948-9

The electrostatic precipitator waste delivery system is a source of PM10 emissions; no other pollutant is emitted. The electrostatic precipitator does not have an emission limit for PM10; therefore, CAM is not applicable.

Silo Unloading Operation C-948-10

The silo unloading operation C-948-10 has PM10 emission limits for transfer of material into the mixer (0.00025 lb-PM10/ton) mixing and weighing (0.006 lb-PM10/ton) and for loadout of the mixer loading (0.0014 lb-PM10/ton) and add-on control devices (baghouses) that enable those emission limits to be achieved.

Permit condition #12 implies that any of the three baghouses may be used to control PM10 emissions from the transfer, mixing and weighing, and loadout operations. Therefore, the emissions from all three operations will be combined as if they were venting to one baghouse.

The controlled PE is calculated as follows:

$$\begin{aligned}\text{Annual PE}_{\text{controlled}} &= (0.00025 + 0.006 + 0.0014 \text{ lb-PM10/ton}) \times (1,180 \text{ ton/day}) \\ &\times (365 \text{ day/yr}) \\ &= 3,295 \text{ lb-PM10/yr}\end{aligned}$$

Assuming the baghouse(s) provide 99% control of PM10, the uncontrolled PE may be calculated as follows:

$$\begin{aligned}\text{Combined Uncontrolled PE} &= \text{Controlled PE} + (1 - \text{control efficiency}) \\ &= 3,295 \text{ lb-PM10/yr} + (1 - 0.99) \\ &= 329,500 \text{ lb-PM10/yr}\end{aligned}$$

Since the uncontrolled PE exceeds the PM10 major source threshold of 140,000 lb/year, CAM is applicable to this unit for PM10.

The following existing conditions (#2, 8, 9, 10, 11, and 20), modified as indicated, and new condition (#24) will satisfy the requirements from 40 CFR Part 64:

- 2. Visible emissions from the baghouse dust collectors shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101 and 40 CFR Part 64]
- 8. The baghouse dust collectors shall each be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64]
- 9. The Mixer Level Pangborn DC-6 baghouse dust collector shall operate at all times with a minimum differential pressure of 3 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201 and 40 CFR Part 64]
- 10. The Torit Down Flo-II model #DFT-2-4 baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201 and 40 CFR Part 64]
- 11. Differential operating pressure shall be monitored and recorded on each day that the baghouse dust collectors operate. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2201 and 40 CFR Part 64]
- 20. Visible emissions from the baghouse dust collectors shall be checked monthly using EPA Method 9 for a period of at least 6 minutes at least once during each day while in operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective

action shall eliminate visible emissions within 24 hours. [District Rule 2520 and 40 CFR Part 64]

- 24. 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]

Float Glass Furnace C-948-11

The float glass furnace controls NOx emissions by burning fuel with pure oxygen rather than air. However, the use of an oxy-fueled furnace is not an add-on control for NOx. The only add-on control serving the furnace is the electrostatic precipitator, which serves to control PM10.

The District has previously determined the float glass furnace was subject to CAM in the Authority to Construct project C-1122924. Existing conditions #41, 42, and 43 require continuous monitoring of the power input (kW) to the electrostatic precipitator to ensure compliance with the requirements of 40 CFR Part 64.

Glass Packing and Cullet System C-948-14

The glass packing and cullet system C-948-14-5 has a limit for PM10 emissions, i.e. 0.0254 lb-PM10/ton. This single emission factor combines the emissions from four packing machines, each served by its own baghouse. The controlled emission factor is based on a PM10 control efficiency of 98% (reference: application review, project C-980173, Appendix F).

The annual controlled PE from all four units combined is calculated as follows:

$$\begin{aligned}\text{Annual Controlled PE} &= (0.0254 \text{ lb-PM10/ton}) \times (650 \text{ ton/day}) \times (365 \text{ day/yr}) \\ &= 6,026 \text{ lb-PM10/yr}\end{aligned}$$

Assuming the baghouses achieve 98% control of PM10 emissions, the uncontrolled PE from all four units is calculated as follows:

$$\begin{aligned}\text{Annual Uncontrolled PE} &= \text{Controlled PE} \div (1 - \text{control efficiency}) \\ &= 6,026 \text{ lb-PM10/yr} \div (1 - 0.98) \\ &= 301,300 \text{ lb-PM10/yr}\end{aligned}$$

The uncontrolled PE for each packing machine is $301,300 \text{ lb-PM10/ton} \div 4 = 75,325 \text{ lb-PM10/ton}$, which is below the Major Source Threshold for PM10; therefore, CAM is not triggered for any of the units permitted under C-948-14.

Emergency Cullet System C-948-15

The emergency cullet system is a source of particulate matter emissions but the permit does not have an emission limit for PM10. Therefore, the emergency cullet system is not subject to CAM.

Interleaving Solution Mixing and Application Booths C-948-17

The interleaving solution mixing and application booths permitted under C-948-17 have a PM10 emission limit and they have a scrubber for control of particulate matter.

The daily PE for PM10 indicated on the permit is 1.4 lb-PM10/day.

The annual controlled PE is calculated as follows:

$$\begin{aligned}\text{Annual Controlled PE} &= 1.4 \text{ lb-PM10/day} \times 365 \text{ days/yr} \\ &= 511 \text{ lb-PM10/yr}\end{aligned}$$

Although the spray application equipment is part of the control for PM10, it is not an add-on control. Only the fume scrubber is an add-on control. Assuming the fume scrubber controls 99% of PM10 emissions, the uncontrolled potential to emit of the mixing and application booths is calculated as follows:

$$\begin{aligned}\text{Annual Uncontrolled PE} &= \text{Controlled PE} + (1 - \text{control efficiency}) \\ &= 511 \text{ lb-PM10/yr} + (1 - 0.99) \\ &= 51,100 \text{ lb-PM10/yr}\end{aligned}$$

The annual uncontrolled potential to emit for PM10 is not more than the major source threshold for PM10 (140,000 lb/yr); therefore, CAM requirements are not triggered for the interleaving solution mixing and application booths.

Tint Glass Raw Material Mixing C-948-21

The tint glass material mixing operation is a source of particulate matter emissions, but the permit does not have an emission limit for PM10. Therefore, the tint glass material mixing operation is not subject to CAM.

Glass Cutting Operation C-948-29

The glass cutting operation has no emission limits for any pollutant. Therefore, the glass cutting operation is not subject to CAM.

Low Iron Material Handling Operation C-948-30

The low iron material handling operation is a source of particulate matter emissions, but the permit does not have an emission limit for PM10. Therefore, the low iron material handling operation 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 has requested to utilize template No. SJV-UM-0-3, Facility Wide Umbrella. The conditions on template No. SJV-UM-0-3 are the same set of conditions as on the current facility-wide permit C-948-0-2; therefore, there will be no modifications to the facility-wide permit.

B. Requirements not Addressed by Model General Permit Templates

No new permit shields are being granted as a result of this renewal. The existing permits shields will be retained as the County Rules, District Rules, federal NSPS, and federal NESHAP subparts for which permit shields have been granted have not been modified since the previous renewal.

Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520]

X. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

XI. ATTACHMENTS

- A. Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Facility List
- D. Authority to Construct C-948-17-7

ATTACHMENT A

Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: C-948-0-3

EXPIRATION DATE: 02/29/2016

FACILITY-WIDE REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. {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
3. {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
4. {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
5. {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
6. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
7. {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
8. {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
9. {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: VITRO FLAT GLASS LLC
Location: 3333 S PEACH AVE, FRESNO, CA 93725
C-948-0-3 : Apr 5 2017 10:00AM -- CLERICOB

10. {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
11. {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
12. {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
13. {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
14. {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
15. {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
16. {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
17. {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
18. {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
19. {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
20. {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
21. {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
22. {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.

23. {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
24. {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
25. {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
26. {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
27. {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
28. {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
29. {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
30. {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 8021 and 8011] Federally Enforceable Through Title V Permit
31. {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 8031 and 8011] Federally Enforceable Through Title V Permit
32. {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 8041 and 8011] Federally Enforceable Through Title V Permit
33. {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 8051 and 8011] Federally Enforceable Through Title V Permit
34. {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 8061 and 8011] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

35. {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 8071 and 8011] Federally Enforceable Through Title V Permit
36. {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
37. {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
38. {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
39. {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
40. {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
41. {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
42. On October 31, 2002, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin every November 1, 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: C-948-2-4

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

1,577 BHP DETROIT DIESEL MODEL 12E-9885 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (GENERATOR #3)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and 17CCR 93115] Federally Enforceable Through Title V Permit
4. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
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] Federally Enforceable Through Title V Permit
7. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
16. 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, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-3-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

238 BHP DETROIT MODEL RC6061A (SN 6A228427) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A WATER PUMP FOR FIRE SUPPRESSION

PERMIT UNIT REQUIREMENTS

1. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
2. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and 17CCR 93115] Federally Enforceable Through Title V Permit
3. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. 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] Federally Enforceable Through Title V Permit
14. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
15. 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, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. {833} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
17. {834} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-4-5

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

517.0 KGAL SILICA SAND CONCRETE STORAGE SILO #1, 38'D X 61'9"H, WITH ONE BIN VENT FILTRATION SYSTEM

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Maximum daily amount of material received in the silo shall not exceed 3,455 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request [District Rule 2520] Federally Enforceable Through Title V Permit
7. Permittee shall maintain daily records of material received in the silo and shall make such records available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-5-5

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

517.0 KGAL SILICA SAND CONCRETE STORAGE SILO #2, 38'D X 61'9"H, WITH ONE BIN VENT FILTRATION SYSTEM

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Maximum daily amount of material received in the silo shall not exceed 3,455 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
7. Permittee shall maintain daily records of material received in the silo and shall make such records available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-6-9

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

TRAIN SHED UNLOADING OPERATION WITH 7 UNDERGROUND RECEIVING PITS, 7 SHAKER CONVEYORS, 7 BUCKET ELEVATORS, AND STORAGE SILOS #3 AND #5 (TOTAL OF 1,034,000 GAL); ALL SERVED BY PANGBORN CORPORATION DC-2 BAGHOUSE DUST COLLECTOR (SN #63-CH3-6664) SHARED WITH PERMIT UNIT '-10 OR PANGBORN CORPORATION DC-6 BAGHOUSE DUST COLLECTOR (SN 63-CH3-6671) UNDER PERMIT UNIT '-10

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. Visible emissions from the dust collector shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
3. The baghouse dust collectors shall be maintained and operated according to manufacturer's specifications. [District Rule 2201]
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from baghouse dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The baghouse dust collectors cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement filters numbering at least 10% of the total number of filters in the baghouse dust collector shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse dust collector shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. 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
9. The Mixer Level Pangborn DC-6 baghouse dust collector shall operate at all times with a minimum differential pressure of 4 inches water column and a maximum differential pressure of 10 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Differential operating pressure shall be monitored and recorded on each day that the baghouse dust collectors operate. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emissions shall be controlled by a baghouse dust collector: either Mixer Level Pangborn DC-6 or Trainshed Pangborn DC-2. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The amount of dry material received from the underground pits into the storage silos shall not exceed 10,080 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Maximum daily amount of cullet received in the silos shall not exceed 1,728 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. PM10 emissions from the receiving of materials through the underground pits into the storage silos shall not exceed 0.0003 lb/ton of material transferred. [District Rule 2201] Federally Enforceable Through Title V Permit
15. PM10 emissions from the silo transfer shall not exceed 0.00025 lb/ton of material transferred. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Baghouse dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
17. Baghouse dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
18. Records of baghouse dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
19. Visible emissions shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Permittee shall maintain daily records of the quantity of the material received in the silos & through underground receiving pits and shall make such records available for District inspection upon request. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
21. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-7-7

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

517,000 GALLON CULLET STORAGE SILO #4 AND CULLET CRUSHING OPERATION WITH CULLET CRUSHER, CULLET ELEVATOR SERVED BY A PANGBORN CORPORATION BAGHOUSE FABRIC COLLECTOR #DC-5, SERIAL #42-CH3-6656, AND CULLET SCREENING BOX

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The cleaning frequency and duration for the baghouse shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading range for the baghouse shall be maintained between 0.5 and 9 inches of water column. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. Differential operating pressure for the baghouse shall be monitored and recorded on each day that the baghouse operates. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2201 and 40 CFR part 64] Federally Enforceable Through Title V Permit
11. Maximum daily amount of material throughput shall not exceed 5,183 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. PM10 emissions rate from the cullet crushing operation shall not exceed 0.0012 lb-PM10/ton-material. [District Rule 2201] Federally Enforceable Through Title V Permit
13. PM10 emissions rate from the cullet screening box shall not exceed 0.00074 lb-PM10/ton-material. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. PM10 emissions rate from the belt conveyor serving the cullet screening box shall not exceed 0.000046 lb-PM10/ton-material. [District Rule 2201]
15. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
16. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
17. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit
18. Visible emissions from the cullet crushing operation shall be evaluated using EPA Method 9 for a period of at least 6 minutes at least once during each day the crusher operates. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520 and 40 CFR part 64] Federally Enforceable Through Title V Permit
19. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Permittee shall maintain daily records of material throughput and shall make such records available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
21. 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]
22. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-8-7

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

517 KGAL SODA ASH STORAGE SILO #6, 38' D X 61'9" H, SERVED BY A DONALDSON TORIT MODEL CPC-8 DUST COLLECTOR AND A DONALDSON TORIT MODEL CPV-3 BIN VENT FILTER

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Material removed from dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The dust collectors cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The dust collectors shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. 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
6. The Donaldson Torit CPC-8 dust collector shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The Donaldson Torit model CPV-3 bin vent filter shall operate at all times with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Differential operating pressure shall be monitored and recorded on each day that the dust collectors operate. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The Donaldson Torit CPC-8 dust collector air flow rate shall not exceed 4,400 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The Donaldson Torit CPV-3 bin vent filter air flow rate shall not exceed 1,200 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Controlled PM10 emissions from Donaldson Torit CPC-8 and Donaldson Torit CPV-3 dust collectors shall not exceed 0.001 gr/scf. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
13. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Permittee shall maintain daily records of material throughput and shall make such records available for District inspection upon request. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-9-6

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

ELECTROSTATIC PRECIPITATOR WASTE DELIVERY SYSTEM WITH 15 HP BLOWER, PNEUMATIC TRANSFER TO 2,000 LB HOPPER VENTING TO TORIT TBV-4 BIN VENT FILTER, SCREW CONVEYOR AND SCALE HOPPER DISCHARGING TO BATCH HOUSE MIXER (C-948-10)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The dust collector shall be equipped with an operational pressure differential gauge to indicate the pressure drop across the bags. The manometer pressure reading range shall be established per manufacturer's recommendation at the time of start-up inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The baghouse shall operate at all times with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 5 inches water column. [District Rule 2201]
4. Visible emissions from Torit TBV-4 dust collector shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
8. Visible emissions shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520] Federally Enforceable Through Title V Permit
9. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-10-9

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

SILO UNLOADING AND MIXING OPERATION INCLUDING BATCH GATHERING BELT SERVED BY PANGBORN CORP DC-6 BAGHOUSE DUST COLLECTOR (SN 63-CH3-6671) SHARED WITH PERMIT UNIT '-6 OR DC-2 BAGHOUSE DUST COLLECTOR (SN 67 CH3-6664) UNDER PERMIT UNIT '-6, AND A BATCH ELEVATOR, TOTALIZING SCALE, AND GLASS MASTER TURBIN MODEL 12000 MIXER SERVED BY A TORIT DOWN FLO-II MODEL #DFT-2-4 BAGHOUSE DUST COLLECTOR

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. Visible emissions from each the baghouse dust collectors shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
3. The baghouse dust collectors shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from baghouse dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The baghouse dust collectors cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse dust collector shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse dust collectors shall each be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. The Mixer Level Pangborn DC-6 baghouse dust collector shall operate at all times with a minimum differential pressure of 3 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. The Torit Down Flo-II baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
11. Differential operating pressure shall be monitored and recorded on each day that the baghouse dust collectors operate. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2201 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.

12. Emissions shall be controlled by a baghouse dust collector: either Mixer Level Pangborn DC-6, Trainshed Pangborn DC-2, or Torit Down Flo-II. [District Rule 2201] Federally Enforceable Through Title V Permit
13. PM10 emissions from the transfer of materials from the storage silos to the mixer shall not exceed 0.00025 lb/ton of material throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
14. PM10 emissions from mixing and weighing shall not exceed 0.006 pound per ton of material throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
15. PM10 emissions from the mixer loadout shall not exceed 0.0014 pound per ton of material throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Maximum throughput shall not exceed 1,180 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Baghouse dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
18. Baghouse dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
19. Records of baghouse dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
20. Visible emissions from the baghouse dust collectors shall be checked using EPA Method 9 for a period of at least 6 minutes at least once during each day while in operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records of the material throughput and such records shall be made available for District inspection upon request. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
22. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64]
23. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64]
24. 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]
25. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-11-17

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

206 MMBTU/HR OXY-FUEL FIRED FLOAT GLASS FURNACE, FIRING ON NATURAL GAS WITH #2 FUEL OIL AS STANDBY, VENTED THROUGH A UNITED MCGILL COOLING TOWER AND UNITED MCGILL MODEL 3-500 ELECTROSTATIC PRECIPITATOR USING SO₂ AS A LUBRICANT FOR THE GLASS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (amended 12/17/92) using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. The furnace and burners shall be operated so as to minimize the NO_x emissions to the maximum extent possible without adversely affecting the product quality and furnace integrity. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The glass furnace shall be vented to a dry scrubber/electrostatic precipitator system anytime the furnace is operating. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The addition of liquid caustic soda to cooling tower water may be allowed to reduce corrosion and solid build-up, and ensure good working conditions for electrostatic precipitator. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Daily glass pull rate for this facility shall not exceed 650 U.S. short tons per day. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
9. Particulate Matter emissions (as PM₁₀) shall not exceed 18.80 pounds per hour from the electrostatic precipitator. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate Matter emissions (as PM₁₀) shall not exceed 0.70 pounds per ton glass pulled on a block 24-hour average from the glass melting furnace. [District Rule 4354] Federally Enforceable Through Title V Permit
11. Oxides of nitrogen (NO_x) emissions shall not exceed 5.5 lb NO_x/ton, based on a 24-hour block average, as defined by Rule 4354. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
12. Oxides of nitrogen (NO_x) emissions shall not exceed 5.0 lb NO_x/ton, based on a 30-day rolling average, as defined by Rule 4354. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
13. SO_x emissions from the dry scrubber/electrostatic precipitator system shall not exceed 16.25 pounds per hour based on a 24-hour rolling average when firing the furnace on natural gas, nor 49.9 pounds per hour based on a 24-hour rolling average when firing the furnace on standby fuel oil #2. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Oxides of sulfur (SO_x) emissions shall not exceed 1.7 lb SO_x/ton, based on a 24-hour block average, as defined by Rule 4354. In no case shall SO_x emissions exceed 1.2 lb SO_x/ton on a rolling 30-day average. [District Rule 4354] Federally Enforceable Through Title V Permit
15. Sulfur compound emissions shall not exceed 2000 ppmv as SO₂. [District Rule 4801] Federally Enforceable Through Title V Permit
16. SO_x emissions from the surface passivation process shall not exceed 10 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Volatile Organic Compounds (VOC) emissions shall not exceed 1.51 pounds per hour nor 0.1 pounds per ton of glass pulled (as defined by Rule 4354), based on a rolling three-hour average. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
18. Carbon monoxide (CO) emissions shall not exceed 21.13 pounds per hour nor 0.9 pounds per ton (as defined by Rule 4354), based on a rolling three-hour average. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
19. NO_x, CO, VOC, SO_x and PM₁₀ emission limitations of District Rule 4354 shall not apply during periods of start-up, shutdown, and idling, as defined by Rule 4354, 3.0. Permittee shall notify the District at least 24 hours before initiating idling, shutdown and startup and this notification shall include: date and time of the start of the exempt operation, reason for performing the operation, and an estimated completion date. The permittee shall notify the District by telephone within 24 hours after completion of the operation and shall maintain operating records and/or support documentation necessary to claim exemption. [District Rule 4354] Federally Enforceable Through Title V Permit
20. NO_x, CO, VOC, SO_x and PM₁₀ emission limitations of District Rule 4354 shall not apply during periods of routine maintenance of an add-on emission control system as long as the routine maintenance does not exceed 144 hours total per calendar year for all add-on controls and the routine maintenance is conducted in a manner consistent with good air pollution control practices for minimizing emissions. [District Rule 4354] Federally Enforceable Through Title V Permit
21. Annual source testing shall be conducted for VOC (lb/ton of glass pulled and lb/hr); CO (lb/ton of glass pulled and lb/hr); PM₁₀ (lb/ton of glass pulled and lb/hr); SO_x (lb/ton of glass pulled and lb/hr); and NO_x (lb/ton of glass pulled) emissions at least once every calendar year. To qualify as an annual performance test, the test date shall be at least 6 months after, and not more than 18 months after the initial and the previous annual performance test. [District Rules 1070, 1081 and 4354] Federally Enforceable Through Title V Permit
22. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using following test methods: (1) Oxides of Nitrogen: EPA Method 7E, EPA Method 19, or ARB Method 100; (2) Carbon Monoxide: EPA Method 10, or ARB Method 100; (3) VOC (ppmv): EPA Method 25A expressed in terms of carbon, or ARB Method 100, EPA Method 18 or ARB method 422 to determine emissions of exempt compounds; (4) Stack Gas Oxygen, Carbon Dioxide, Excess Air, and Dry Molecular Weight: EPA Method 3 or 3A, or ARB Method 100; (5) Oxides of Sulfur: EPA Method 6C, EPA Method 8, or ARB Method 100; (6) Filterable PM₁₀: EPA Method 5, EPA Method 201, or EPA Method 201A. An operator choosing EPA Method 5 shall count all PM collected as PM₁₀; (7) Condensable PM₁₀: EPA Method 202 with the following procedures, (7a) Purge the impinger with dry nitrogen for one hour. The one hour purge with dry nitrogen shall be performed as soon as possible after the final leak check of the system, (7b) Neutralize the inorganic portion to a pH of 7.0. Use the procedure, "Determination of NH₄ Retained in Sample by Titration" described in Method 202 to neutralize sulfuric acid, (7c) Evaporate the last 1 ml of the inorganic fraction by air drying following evaporation of the bulk of the impinger water in a 105 degrees C oven as described in the first sentence of the Method 202 section titled "Inorganic Fraction Weight Determination". [District Rule 4354] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. Furnace conditions during source testing shall be representative of normal operations, with a glass production rate equal to or greater than 60 percent of the permitted glass production capacity. The source test may be conducted at a glass production rate lower than 60 percent of the permitted glass production capacity, provided that the permittee demonstrates that the proposed alternative glass production rate is representative of normal operations and the proposed alternative glass production rate is approved by the APCO in writing. [District Rule 4354] Federally Enforceable Through Title V Permit
25. For source testing purposes, the arithmetic average of three 30-consecutive-minute test runs shall be used to determine compliance with NO_x, CO, VOC, and SO_x emission limits. [District Rule 4354] Federally Enforceable Through Title V Permit
26. For source testing purposes, the arithmetic average of three 60-consecutive-minute test runs shall be used to determine compliance with PM₁₀ emission limits. [District Rule 4354] Federally Enforceable Through Title V Permit
27. During source testing, for a given pollutant, if two of the three runs individually demonstrate emissions above the applicable limit, the test cannot be used to demonstrate compliance for the furnace, even if the averaged emissions of all three test runs is less than the applicable limit. [District Rule 4354] Federally Enforceable Through Title V Permit
28. Source testing shall be witnessed or authorized by District personnel. Test results must be submitted to the District within 60 days of performance testing. [District Rule 1081] Federally Enforceable Through Title V Permit
29. The continuous emission monitor system (CEMS) shall be properly installed in the electrostatic precipitator stack and operated in accordance with the manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
30. The CEMS and data acquisition system shall monitor for NO_x, CO, SO_x, and opacity. [District Rule 2201] Federally Enforceable Through Title V Permit
31. The CEMS shall meet the performance specification requirements in 40 CFR Parts 60.7 and 60.13, 40 CFR Part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures); and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rules 1080 and 4354] Federally Enforceable Through Title V Permit
32. Results of CEMS must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
33. Records of CEMS shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of CEMS, and emission measurements. [District Rule 1080] Federally Enforceable Through Title V Permit
34. Permittee shall submit a CEMS written report for each calendar quarter to the District. The report is due on the 30th day following the end of the calendar quarter. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CFM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rules 1080 and 2520] Federally Enforceable Through Title V Permit
35. Any emissions in excess of the limits imposed by conditions in this permit, as measured by the CEMS constitutes a violation of District Rules and Regulations and shall be reported by the operator to the APCO within 96 hours. [District Rule 1080] Federally Enforceable Through Title V Permit
36. Operator shall notify the District no later than eight hours after the detection of a breakdown of the CEMS. The operator shall inform the District of the intent to shut down the CEMS at least 24 hours prior to the event. [District Rule 1080] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

37. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
38. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
39. The permittee shall install, operate, and maintain a monitoring and recording system to accurately measure and record the furnace melter crown temperature at least once per day. [District Rule 4354] Federally Enforceable Through Title V Permit
40. The furnace melter crown temperature shall be maintained at or above 1,800 °F. If the measured furnace temperature is less than 1,800 °F, the permittee shall conduct a certified VOC source test within 60 days to re-establish the minimum temperature limit. In lieu of conducting a certified VOC source test, the permittee may stipulate that a violation has occurred, subject to enforcement action. The permittee must then correct the violation (return the furnace temperature to or above the minimum temperature limit), show compliance has been re-established, and resume monitoring procedures. If the deviation is a result of a qualifying breakdown condition pursuant to District Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4354] Federally Enforceable Through Title V Permit
41. The permittee shall install, operate, and maintain a monitoring and recording system to accurately measure and record the secondary current and secondary voltage across each field of the electrostatic precipitator at least once per hour. [District Rule 4354 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
42. The average hourly total power input into the electrostatic precipitator shall be maintained at or above 0.23 kW. The average hourly total power input shall be the sum of the average power inputs to each field of the electrostatic precipitator. The average power inputs to each field shall be calculated by multiplying the average hourly secondary current for that field by the average hourly secondary voltage for that field, both recorded by the continuous monitoring system. [District Rule 4354 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
43. If the measured average total power input into the electrostatic precipitator falls below the acceptable level specified within this permit, the permittee shall conduct a certified source test within 60 days to re-establish the acceptable secondary voltage and/or secondary current range/level. In lieu of conducting a certified PM10 source test, the permittee may stipulate that a violation has occurred, subject to enforcement action. The permittee must then correct the violation (return the average hourly voltage and/or current input to or above the minimum acceptable levels), show compliance has been re-established, and resume monitoring procedures. If the deviation is a result of a qualifying breakdown condition pursuant to District Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4354 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
44. The permittee shall maintain daily records of total hours of operation, quantity of glass pulled, NO_x and SO_x emission rates in lb/ton of glass pulled (both block 24-Hr & rolling 30-day averages), CO emission rate in lb/ton of glass pulled (rolling 3-hour average) and quantity & type of fuel used. The permittee shall also maintain records of source tests, the acceptable range for each approved key system operating parameter as established by source testing, all instances of maintenance and repair, any malfunction, and records of all periods of idling, startup, or shutdown. [District Rule 4354] Federally Enforceable Through Title V Permit
45. The permittee shall keep records of the date and time of the furnace melter crown temperature readings and the furnace melter crown temperature measured during the most recent source test that demonstrated ongoing compliance with the VOC emission limit. [District Rule 4354] Federally Enforceable Through Title V Permit
46. The permittee shall keep records of the date and time of the electrostatic precipitator total power input readings and the minimum electrostatic precipitator total power input measured during the source test that demonstrated ongoing compliance with the PM10 emission limit. [District Rule 4354 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.

47. The permittee shall maintain records of SOx usage (lb/hr) in the surface passivation process. [District Rule 2201] Federally Enforceable Through Title V Permit
48. The facility shall not use commercial arsenic as a raw material in the production process. [40CFR61, Subpart N] Federally Enforceable Through Title V Permit
49. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
50. The requirements of District Rule 4301, 40 CFR 60, Subpart CC & 40 CFR 61, Subpart N were determined to be not applicable to this unit. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
51. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District, ARB, or EPA inspection upon request. [District Rules 1070 and 4354] 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: C-948-14-6

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

GLASS PACKING AND CULLET SYSTEM WITH ASSOCIATED CONVEYORS AND ELEVATORS AND 4 PACKING MACHINES SERVED BY THE FOLLOWING DUST COLLECTORS: INTERNATIONAL CLEAN AIR, MODEL 6800AE (S/N 6032), PANGBORN CORP (S/N 57CH366759), SENECA, MODEL 121-AM-10 (S/N 871082) AND SENECA MODEL 132-FMTS-100 (S/N 962503)

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Daily glass pull rate for this facility shall not exceed 650 US short tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Visible emissions from the Seneca Model 132-FMTS-100 dust collector serving LEAP packing machine shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The dust collector shall be equipped with an operational pressure differential gauge to indicate the pressure drop across the bags. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Particulate matter emissions (as PM10) shall not exceed 0.0254 pound per ton of glass pulled. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall maintain daily records of glass pull rate and shall make this information available to the District upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
9. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
10. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
11. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit
12. Visible emissions from the dust collector shall be checked monthly, while in operation. If visible emissions are observed, corrective action shall be taken eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-15-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

25.0 HP EMERGENCY CULLET SYSTEM (CD0) AND ASSOCIATED CONVEYORS AND ELEVATORS LOCATED BETWEEN THE LEHR AND THE WARE ROOM, SERVED BY A PANGBORN CORPORATION FABRIC COLLECTOR, SN 53-CH3-6657

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
5. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit
7. Visible emissions from the dust collector shall be checked monthly, while in operation. If visible emissions are observed, corrective action shall be taken eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-17-6

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

"W" AND "IW" INTERLEAVING SOLUTION MIXING BOOTH AND APPLICATION BOOTH WITH ULTRASONIC SPRAY SYSTEM FOR THE APPLICATION OF INTERLEAVING SOLUTION TO THE GLASS RIBBON; BOTH MIXING BOOTH AND APPLICATION BOOTH SERVED BY ONE DUALL DIVISION MODEL FW300-5 PVC FUME SCRUBBER AND REMOTE RECIRCULATION TANK

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The permittee shall only mix and apply either "W" or "IW" interleaving solutions. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The "W" interleaving solution shall not contain more than 3.0% by weight of adipic acid and malic acid. The remainder of the solution shall be water. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The "IW" interleaving solution shall not contain more than 6.0% by weight of adipic acid, malic acid, maleic acid, surfactant(s), and biocide(s). The surfactant(s) and biocide(s) shall not comprise more than 0.1% of the solution by weight. The remainder of the solution shall be water. [District Rule 2201] Federally Enforceable Through Title V Permit
6. On any day when any "IW" interleaving solution is applied, the amount of interleaving solution applied shall not exceed 107 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
7. On any day when only "W" interleaving solution is applied, the amount of interleaving solution applied shall not exceed 216 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The fume scrubber shall be operated whenever interleaving solution is being mixed or applied. [District Rule 2201] Federally Enforceable Through Title V Permit
9. PM10 emissions shall not exceed 1.4 lb per day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Visible emissions from the exhaust stack shall be checked annually. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If excessive visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit
11. The permittee shall keep a daily record of (1) the name ("W" or "IW") of the interleaving solution used, (2) the amount in gallons used, and (3) the composition of the interleaving solution. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The permittee shall measure and record the pressure drop across the scrubber at least once each quarter. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
14. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-18-5

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

240 BHP JOHN DEERE MODEL 6076AF DIESEL-FIRED EMERGENCY STANDBY IC ENGINE WITH TURBOCHARGER, AFTERCOOLER, AND TIMING RETARD (SIX DEGREES) POWERING AN 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. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed any of the following limits: 7.01 g-NOx/bhp-hr, 12.8 g-CO/bhp-hr, or 0.19 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed 0.67 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
11. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
16. 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, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. {833} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
18. {834} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-21-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

TINT GLASS RAW MATERIAL MIXING INCLUDING MIXER EQUIPMENT AND ASSOCIATED CONVEYORS SERVED BY A DCE TYPE DU7 DUST COLLECTOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
5. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit
7. Visible emissions from the dust collector shall be checked quarterly, while in operation. If visible emissions are observed, corrective action shall be taken eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-22-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

1,500 BHP DETROIT MODEL 16E-4930 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (GENERATOR #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
3. Emission limits while firing No. 2 fuel oil shall not exceed the following: NO_x = 29.8 lb/hr, SO_x = 0.2 lb/hr, VOC (NMHC) = 1.1 lb/hr, CO = 21.6 lb/hr and PM₁₀ = 0.2 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Fuel consumption shall not exceed 77.3 gallons of diesel fuel per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and 17CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. 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] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
11. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
16. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. {833} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
20. {834} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-23-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

105 BHP DETROIT DIESEL MODEL 5043-7001 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE USED AS PART OF AN EMERGENCY LIGHTING SYSTEM PROVIDING LIGHT THROUGHOUT THE FACILITY DURING PERIODS OF UTILITY POWER INTERRUPTION (LIGHTING GENERATOR)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
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] Federally Enforceable Through Title V Permit
7. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
8. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

11. The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
14. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
16. 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, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. {833} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
18. {834} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-24-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

286 BHP DETROIT DIESEL MODEL 8083-7000 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A WATER PUMP USED TO MAINTAIN THE MILL USE WATER FLOW DURING PERIODS OF UTILITY POWER INTERRUPTION (MILL USE PUMP #1 - SOUTH)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and 17CCR 93115] Federally Enforceable Through Title V Permit
4. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
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 that affects the mill water flow. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. 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, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. {833} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-25-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

286 BHP DETROIT DIESEL MODEL 8V-92 (8083-7000) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A WATER PUMP USED TO MAINTAIN THE MILL USE WATER FLOW DURING PERIODS OF UTILITY POWER INTERRUPTION (MILL USE PUMP #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and 17CCR 93115] Federally Enforceable Through Title V Permit
4. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
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 that affect the mill water flow. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. 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, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. {833} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
17. {834} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-28-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

1,804 BHP CATERPILLAR MODEL 3512 STD DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (GENERATOR #1)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The diesel engine shall be operated with an initial injection timing setting of 16 degrees BTDC (Before Top Dead Center) or less. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Engine shall be equipped with a turbocharger w/aftercooler or intercooler. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM-10 emission rate shall not exceed 0.193 g/hp-hr. [District Rule 4102]
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and 17CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. 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] Federally Enforceable Through Title V Permit
11. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
12. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The permittee has the option of utilizing an oil analysis program in order to extend the oil changing requirement of every 500 hours of operation or every 12 months, whichever comes first. The oil analysis must be performed every 500 hours of operation or every 12 months, WHICHEVER comes first. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
18. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 30 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
20. 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, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. {833} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
22. {834} Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-29-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

GLASS CUTTING OPERATION WITH AUTOMATIC LUBRICANT APPLICATION

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PERMIT UNIT REQUIREMENTS

1. Permittee shall keep monthly and annual records of type and quantity of cutting aid used in gallons, as well as maintain onsite a copy of the Safety Data Sheet (SDS) for each cutting aid used. [District Rule 1070]
2. {3246} All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

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: C-948-30-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

LOW IRON MATERIAL HANDLING SYSTEM CONSISTING OF A CULLET TOWER (HOPPER) AND DISCHARGE FEEDER, A BELT CONVEYOR/WEIGHER SYSTEM WITH TWO CONVEYORS, A MIXER DISCHARGE VIBRATING FEEDER, AND FOUR ASSOCIATED DUST COLLECTORS: ONE (1) DONALDSON TORIT MODEL DLM-V4/7F1 AND THREE (3) J.D.B. DENSE FLOW MODEL DF110R

PERMIT UNIT REQUIREMENTS

1. Visible emissions from each baghouse shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from each dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The cleaning frequency and duration for each baghouse shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading ranges shall be maintained between 0 and 5 inches of water column for the Donaldson-Torit dust collector and between 2 and 9 inches of water column for the JDB dust collectors. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Controlled PM10 emissions from the dust collector shall not exceed 0.001 gr/scf. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Differential operating pressure for each baghouse shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Dust collector filters for each baghouse shall be inspected annually while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
15. Dust collector filters for each baghouse shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
16. Records of dust collector maintenance, inspections, and repair for each baghouse shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Visible emissions from each baghouse shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520] Federally Enforceable Through Title V Permit

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

DRAFT

ATTACHMENT B

Previous Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: C-948-0-2

EXPIRATION DATE: 02/29/2016

FACILITY-WIDE REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. 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
4. 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
5. 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
6. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
7. 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
8. 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
9. 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
10. 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: VITRO FLAT GLASS LLC
Location: 3333 S PEACH AVE, FRESNO, CA 93725
C-948-0-2 : Apr 6 2017 10:09AM - CLERICOB

11. 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
12. 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
13. 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
14. 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
15. 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
16. 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
17. 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
18. 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
19. 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
20. 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
21. 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
22. 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
23. 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.

24. 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
25. 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
26. 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
27. 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
28. 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
29. 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
30. 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 8021 and 8011] Federally Enforceable Through Title V Permit
31. 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 8031 and 8011] Federally Enforceable Through Title V Permit
32. 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 8041 and 8011] Federally Enforceable Through Title V Permit
33. 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 8051 and 8011] Federally Enforceable Through Title V Permit
34. 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 8061 and 8011] Federally Enforceable Through Title V Permit
35. 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 8071 and 8011] Federally Enforceable Through Title V Permit
36. 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.

37. 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
38. 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
39. 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
40. 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
41. 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
42. On October 31, 2002, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin every November 1, 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: C-948-2-3

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

1577 HP DETROIT DIESEL MODEL 12E-9885 DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801, 17CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
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] Federally Enforceable Through Title V Permit
7. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-3-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

238.0 HP DETROIT, MODEL RC6061A, 6A228427 DIESEL IC ENGINE POWERING A WATER PUMP FOR EMERGENCY FIRE SUPPRESSION.

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [406 (Fresno)] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801, 17CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
11. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
12. 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] Federally Enforceable Through Title V Permit
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-4-4

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

517.0 KGAL SILICA SAND CONCRETE STORAGE SILO #1, 38'D X 61'9"H, WITH ONE BIN VENT FILTRATION SYSTEM.

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Maximum daily amount of material received in the silo shall not exceed 3455 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Permittee shall maintain daily records of material received in the silo and shall make such records available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-5-4

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

517.0 KGAL SILICA SAND CONCRETE STORAGE SILO #2, 38'D X 61'9"H, WITH ONE BIN VENT FILTRATION SYSTEM.

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Maximum daily amount of material received in the silo shall not exceed 3455 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. Permittee shall maintain daily records of material received in the silo and shall make such records available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-6-11

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

TRAIN SHED UNLOADING OPERATION WITH 7 UNDERGROUND RECEIVING PITS, 7 SHAKER CONVEYORS, 7 BUCKET ELEVATORS, AND STORAGE SILOS #3 AND #5 (TOTAL OF 1,034,000 GAL); ALL SERVED BY PANGBORN CORPORATION DC-2 BAGHOUSE DUST COLLECTOR (SN #63-CH3-6664) SHARED WITH PERMIT UNIT '-10 OR PANGBORN CORPORATION DC-6 BAGHOUSE DUST COLLECTOR (SN 63-CH3-6671) UNDER PERMIT UNIT '-10

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. Visible emissions from the baghouse dust collectors shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
3. The baghouse dust collectors shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from baghouse dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The baghouse dust collectors cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement filters numbering at least 10% of the total number of filters in each baghouse dust collector shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse dust collectors shall each be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauges 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
9. The Pangborn Corporation DC-2 baghouse dust collector shall operate at all times with a minimum differential pressure of 4 inches water column and a maximum differential pressure of 10 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Differential operating pressure shall be monitored and recorded on each day that the baghouse dust collectors operate. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emissions shall be controlled by a baghouse dust collector: either DC-6 (Pangborn Model #63-CH3) or DC-2 (Pangborn Model #67-CH3). [District Rule 2201] Federally Enforceable Through Title V Permit
12. The amount of dry material received from the underground pits into the storage silos shall not exceed 10,080 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Maximum daily amount of cullet received in the silos shall not exceed 1,728 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. PM10 emissions from the receiving of materials through the underground pits into the storage silos shall not exceed 0.0003 lb/ton of material transferred. [District Rule 2201] Federally Enforceable Through Title V Permit
15. PM10 emissions from the silo transfer shall not exceed 0.00025 lb/ton of material transferred. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Baghouse dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
17. Baghouse dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
18. Records of baghouse dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
19. Visible emissions shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Permittee shall maintain daily records of the quantity of the material received in the silos & through underground receiving pits and shall make such records available for District inspection upon request. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
21. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [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: C-948-7-6

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

517,000 GALLON CULLET STORAGE SILO #4 AND CULLET CRUSHING OPERATION WITH CULLET CRUSHER, CULLET ELEVATOR SERVED BY A PANGBORN CORPORATION BAGHOUSE FABRIC COLLECTOR #DC-5, SERIAL #42-CH3-6656, AND CULLET SCREENING BOX

PERMIT UNIT REQUIREMENTS

1. Visible emissions from the baghouse shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The cleaning frequency and duration for the baghouse shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading range for the baghouse shall be maintained between 0.5 and 9 inches of water column. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Differential operating pressure for the baghouse shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Maximum daily amount of material throughput shall not exceed 5183 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. PM10 emissions rate from the cullet crushing operation shall not exceed 0.0012 lb-PM10/ton-material. [District Rule 2201] Federally Enforceable Through Title V Permit
13. PM10 emissions rate from the cullet screening box shall not exceed 0.00074 lb-PM10/ton-material. [District Rule 2201]
14. PM10 emissions rate from the belt conveyor serving the cullet screening box shall not exceed 0.000046 lb-PM10/ton-material. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
18. Visible emissions shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
19. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Permittee shall maintain daily records of material throughput and shall make such records available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
21. Compliance with the conditions in the permit requirements for this unit shall be deemed in compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-8-6

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

517 KGAL SODA ASH STORAGE SILO #6, 38' D X 61'9" H, SERVED BY A DONALDSON TORIT MODEL CPC-8 DUST COLLECTOR AND A DONALDSON TORIT MODEL CPV-3 DUST COLLECTOR

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Material removed from dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The dust collectors cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The dust collectors shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. 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
6. The Donaldson Torit model CPC-8 dust collector shall operate at all times with a minimum differential pressure of 3 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The Donaldson Torit model CPV-3 dust collector shall operate at all times with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Differential operating pressure shall be monitored and recorded on each day that the dust collectors operate. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The Donaldson Torit CPC-8 dust collector air flow rate shall not exceed 4,400 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The Donaldson Torit CPV-3 dust collector air flow rate shall not exceed 1,200 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Controlled PM10 emissions from Donaldson Torit CPC-8 and Donaldson Torit CPV-3 dust collectors shall not exceed 0.001 gr/scf. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
13. Visible emissions shall be inspected annually during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions prior to further loading. Corrective action shall eliminate visible emissions before next loading event. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Permittee shall maintain daily records of material throughput and shall make such records available for District inspection upon request. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
15. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [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: C-948-9-5

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

ELECTROSTATIC PRECIPITATOR WASTE DELIVERY SYSTEM WITH 15 HP BLOWER, PNEUMATIC TRANSFER TO 2,000 LB HOPPER VENTING TO TORIT TBV-4 BIN VENT FILTER, SCREW CONVEYOR AND SCALE HOPPER DISCHARGING TO RAW MATERIAL BATCH HOUSE MIXER (C-948-10).

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The dust collector shall be equipped with an operational pressure differential gauge to indicate the pressure drop across the bags. The manometer pressure reading range shall be established per manufacturer's recommendation at the time of start-up inspection. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The baghouse shall operate at all times with a minimum differential pressure of 0 inches water column and a maximum differential pressure of 5 inches water column. [District Rule 2201]
4. Visible emissions from Torit TBV-4 dust collector shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Permittee shall perform a complete vent filter inspection on an annual basis. Dust collector filters shall be inspected thoroughly for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Visible emissions shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-10-11

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

SILO UNLOADING AND MIXING OPERATION INCLUDING BATCH GATHERING BELT SERVED BY PANGBORN CORP DC-6 BAGHOUSE DUST COLLECTOR (SN 63-CH3-6671) SHARED WITH PERMIT UNIT '-6 OR DC-2 BAGHOUSE DUST COLLECTOR (SN 67 CH3-6664) UNDER PERMIT UNIT '-6, AND A BATCH ELEVATOR, TOTALIZING SCALE, AND GLASS MASTER TURBIN MODEL 12000 MIXER SERVED BY A TORIT DOWN FLO-II MODEL #DFT-2-4 BAGHOUSE DUST COLLECTOR

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. Visible emissions from each the baghouse dust collectors shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
3. The baghouse dust collectors shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Material removed from baghouse dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The baghouse dust collectors cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse dust collector shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The baghouse dust collectors shall each be equipped with a pressure differential gauge to indicate the pressure drop across the filters. 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
9. The Pangborn Corporation DC-6 baghouse dust collector shall operate at all times with a minimum differential pressure of 3 inches water column and a maximum differential pressure of 9 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The Torit Down Flo-II model #DFT-2-4 baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Differential operating pressure shall be monitored and recorded on each day that the baghouse dust collectors operate. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emissions shall be controlled by a baghouse dust collector: either DC-6 (Pangborn Model #63-CH3), DC-2 (Pangborn Model #67-CH3), or Torit Down Flo-II (Model #DFT-2-4). [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.

13. PM10 emissions from the transfer of materials from the storage silos to the mixer shall not exceed 0.00025 lb/ton of material throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
14. PM10 emissions from mixing and weighing shall not exceed 0.006 pound per ton of material throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
15. PM10 emissions from the mixer loadout shall not exceed 0.0014 pound per ton of material throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Maximum throughput shall not exceed 1,180 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Baghouse dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
18. Baghouse dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
19. Records of baghouse dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
20. Visible emissions from the baghouse dust collector shall be checked monthly, while in operation. If visible emissions are observed, corrective action shall be taken eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records of the material throughput and such records shall be made available for District inspection upon request. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
22. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [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: C-948-11-16

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

208 MMBTU/HR OXY-FUEL FIRED FLOAT GLASS FURNACE, FIRING ON NATURAL GAS WITH #2 FUEL OIL AS STANDBY, VENTED THROUGH A UNITED MCGILL DRY SCRUBBER/COOLING TOWER AND A UNITED MCGILL MODEL 3-500 ELECTROSTATIC PRECIPITATOR USING SO₂ AS A LUBRICANT FOR THE GLASS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (amended 12/17/92) using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
4. The furnace and burners shall be operated so as to minimize the NO_x emissions to the maximum extent possible without adversely affecting the product quality and furnace integrity. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The glass furnace shall be vented to a dry scrubber/electrostatic precipitator system anytime the furnace is operating. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The addition of liquid caustic soda to cooling tower water may be allowed to reduce corrosion and solid build-up, and ensure good working conditions for electrostatic precipitator. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Daily glass pull rate for this facility shall not exceed 650 U.S. short tons per day. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
9. Particulate Matter emissions (as PM₁₀) shall not exceed 18.80 pounds per hour from the electrostatic precipitator. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate Matter emissions (as PM₁₀) shall not exceed 0.70 pounds per ton glass pulled on a block 24-hour average from the glass melting furnace. [District Rule 4354] Federally Enforceable Through Title V Permit
11. Oxides of nitrogen (NO_x) emissions shall not exceed 5.5 lb NO_x/ton, based on a 24-hour block average, as defined by Rule 4354. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
12. Oxides of nitrogen (NO_x) emissions shall not exceed 5.0 lb NO_x/ton, based on a 30-day rolling average, as defined by Rule 4354. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
13. SO_x emissions from the dry scrubber/electrostatic precipitator system shall not exceed 16.25 pounds per hour based on a 24-hour rolling average when firing the furnace on natural gas, nor 49.9 pounds per hour based on a 24-hour rolling average when firing the furnace on standby fuel oil #2. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Oxides of sulfur (SO_x) emissions shall not exceed 1.7 lb SO_x/ton, based on a 24-hour block average, as defined by Rule 4354. In no case shall SO_x emissions exceed 1.2 lb SO_x/ton on a rolling 30-day average. [District Rule 4354] Federally Enforceable Through Title V Permit
15. Sulfur compound emissions shall not exceed 2000 ppmv as SO₂. [District Rule 4801] Federally Enforceable Through Title V Permit
16. SO_x emissions from the surface passivation process shall not exceed 10 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Volatile Organic Compounds (VOC) emissions shall not exceed 1.51 pounds per hour nor 0.1 pounds per ton of glass pulled (as defined by Rule 4354), based on a rolling three-hour average. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
18. Carbon monoxide (CO) emissions shall not exceed 21.13 pounds per hour nor 0.9 pounds per ton (as defined by Rule 4354), based on a rolling three-hour average. [District Rules 2201 and 4354] Federally Enforceable Through Title V Permit
19. NO_x, CO, VOC, SO_x and PM₁₀ emission limitations of District Rule 4354 shall not apply during periods of start-up, shutdown, and idling, as defined by Rule 4354, 3.0. Permittee shall notify the District at least 24 hours before initiating idling, shutdown and startup and this notification shall include: date and time of the start of the exempt operation, reason for performing the operation, and an estimated completion date. The permittee shall notify the District by telephone within 24 hours after completion of the operation and shall maintain operating records and/or support documentation necessary to claim exemption. [District Rule 4354] Federally Enforceable Through Title V Permit
20. NO_x, CO, VOC, SO_x and PM₁₀ emission limitations of District Rule 4354 shall not apply during periods of routine maintenance of an add-on emission control system as long as the routine maintenance does not exceed 144 hours total per calendar year for all add-on controls and the routine maintenance is conducted in a manner consistent with good air pollution control practices for minimizing emissions. [District Rule 4354] Federally Enforceable Through Title V Permit
21. Annual source testing shall be conducted for VOC (lb/ton of glass pulled and lb/hr); CO (lb/ton of glass pulled and lb/hr); PM₁₀ (lb/ton of glass pulled and lb/hr); SO_x (lb/ton of glass pulled and lb/hr); and NO_x (lb/ton of glass pulled) emissions at least once every calendar year. To qualify as an annual performance test, the test date shall be at least 6 months after, and not more than 18 months after the initial and the previous annual performance test. [District Rules 1070, 1081 and 4354] Federally Enforceable Through Title V Permit
22. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using following test methods: (1) Oxides of Nitrogen: EPA Method 7E, EPA Method 19, or ARB Method 100; (2) Carbon Monoxide: EPA Method 10, or ARB Method 100; (3) VOC (ppmv): EPA Method 25A expressed in terms of carbon, or ARB Method 100, EPA Method 18 or ARB method 422 to determine emissions of exempt compounds; (4) Stack Gas Oxygen, Carbon Dioxide, Excess Air, and Dry Molecular Weight: EPA Method 3 or 3A, or ARB Method 100; (5) Oxides of Sulfur: EPA Method 6C, EPA Method 8, or ARB Method 100; (6) Filterable PM₁₀: EPA Method 5, EPA Method 201, or EPA Method 201A. An operator choosing EPA Method 5 shall count all PM collected as PM₁₀; (7) Condensable PM₁₀: EPA Method 202 with the following procedures, (7a) Purge the impinger with dry nitrogen for one hour. The one hour purge with dry nitrogen shall be performed as soon as possible after the final leak check of the system, (7b) Neutralize the inorganic portion to a pH of 7.0. Use the procedure, "Determination of NH₄ Retained in Sample by Titration" described in Method 202 to neutralize sulfuric acid, (7c) Evaporate the last 1 ml of the inorganic fraction by air drying following evaporation of the bulk of the impinger water in a 105 degrees C oven as described in the first sentence of the Method 202 section titled "Inorganic Fraction Weight Determination". [District Rule 4354] 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.

24. Furnace conditions during source testing shall be representative of normal operations, with a glass production rate equal to or greater than 60 percent of the permitted glass production capacity. The source test may be conducted at a glass production rate lower than 60 percent of the permitted glass production capacity, provided that the permittee demonstrates that the proposed alternative glass production rate is representative of normal operations and the proposed alternative glass production rate is approved by the APCO in writing. [District Rule 4354] Federally Enforceable Through Title V Permit
25. For source testing purposes, the arithmetic average of three 30-consecutive-minute test runs shall be used to determine compliance with NO_x, CO, VOC; and SO_x emission limits. [District Rule 4354] Federally Enforceable Through Title V Permit
26. For source testing purposes, the arithmetic average of three 60-consecutive-minute test runs shall be used to determine compliance with PM₁₀ emission limits. [District Rule 4354] Federally Enforceable Through Title V Permit
27. During source testing, for a given pollutant, if two of the three runs individually demonstrate emissions above the applicable limit, the test cannot be used to demonstrate compliance for the furnace, even if the averaged emissions of all three test runs is less than the applicable limit. [District Rule 4354] Federally Enforceable Through Title V Permit
28. Source testing shall be witnessed or authorized by District personnel. Test results must be submitted to the District within 60 days of performance testing. [District Rule 1081] Federally Enforceable Through Title V Permit
29. The continuous emission monitor system (CEMS) shall be properly installed in the electrostatic precipitator stack and operated in accordance with the manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
30. The CEMS and data acquisition system shall monitor for NO_x, CO, SO_x, and opacity. [District Rule 2201] Federally Enforceable Through Title V Permit
31. The CEMS shall meet the performance specification requirements in 40 CFR Parts 60.7 and 60.13, 40 CFR Part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures); and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rules 1080 and 4354] Federally Enforceable Through Title V Permit
32. Results of CEMS must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
33. Records of CEMS shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of CEMS, and emission measurements. [District Rule 1080] Federally Enforceable Through Title V Permit
34. Permittee shall submit a CEMS written report for each calendar quarter to the District. The report is due on the 30th day following the end of the calendar quarter. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CFM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rules 1080 and 2520] Federally Enforceable Through Title V Permit
35. Any emissions in excess of the limits imposed by conditions in this permit, as measured by the CEMS constitutes a violation of District Rules and Regulations and shall be reported by the operator to the APCO within 96 hours. [District Rule 1080] Federally Enforceable Through Title V Permit
36. Operator shall notify the District no later than eight hours after the detection of a breakdown of the CEMS. The operator shall inform the District of the intent to shut down the CEMS at least 24 hours prior to the event. [District Rule 1080] 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.

37. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
38. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
39. The permittee shall install, operate, and maintain a monitoring and recording system to accurately measure and record the furnace melter crown temperature at least once per day. [District Rule 4354] Federally Enforceable Through Title V Permit
40. The furnace melter crown temperature shall be maintained at or above 1,800 °F. If the measured furnace temperature is less than 1,800 °F, the permittee shall conduct a certified VOC source test within 60 days to re-establish the minimum temperature limit. In lieu of conducting a certified VOC source test, the permittee may stipulate that a violation has occurred, subject to enforcement action. The permittee must then correct the violation (return the furnace temperature to or above the minimum temperature limit), show compliance has been re-established, and resume monitoring procedures. If the deviation is a result of a qualifying breakdown condition pursuant to District Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4354] Federally Enforceable Through Title V Permit
41. The permittee shall install, operate, and maintain a monitoring and recording system to accurately measure and record the secondary current and secondary voltage across each field of the electrostatic precipitator at least once per hour. [District Rule 4354 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
42. The average hourly total power input into the electrostatic precipitator shall be maintained at or above 0.23 kW. The average hourly total power input shall be the sum of the average power inputs to each field of the electrostatic precipitator. The average power inputs to each field shall be calculated by multiplying the average hourly secondary current for that field by the average hourly secondary voltage for that field, both recorded by the continuous monitoring system. [District Rule 4354 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
43. If the measured average total power input into the electrostatic precipitator falls below the acceptable level specified within this permit, the permittee shall conduct a certified source test within 60 days to re-establish the acceptable secondary voltage and/or secondary current range/level. In lieu of conducting a certified PM10 source test, the permittee may stipulate that a violation has occurred, subject to enforcement action. The permittee must then correct the violation (return the average hourly voltage and/or current input to or above the minimum acceptable levels), show compliance has been re-established, and resume monitoring procedures. If the deviation is a result of a qualifying breakdown condition pursuant to District Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4354 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
44. The permittee shall maintain daily records of total hours of operation, quantity of glass pulled, NO_x and SO_x emission rates in lb/ton of glass pulled (both block 24-Hr & rolling 30-day averages), CO emission rate in lb/ton of glass pulled (rolling 3-hour average) and quantity & type of fuel used. The permittee shall also maintain records of source tests, the acceptable range for each approved key system operating parameter as established by source testing, all instances of maintenance and repair, any malfunction, and records of all periods of idling, startup, or shutdown. [District Rule 4354] Federally Enforceable Through Title V Permit
45. The permittee shall keep records of the date and time of the furnace melter crown temperature readings and the furnace melter crown temperature measured during the most recent source test that demonstrated ongoing compliance with the VOC emission limit. [District Rule 4354] Federally Enforceable Through Title V Permit
46. The permittee shall keep records of the date and time of the electrostatic precipitator total power input readings and the minimum electrostatic precipitator total power input measured during the source test that demonstrated ongoing compliance with the PM10 emission limit. [District Rule 4354 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.

47. The permittee shall maintain records of SO_x usage (lb/hr) in the surface passivation process. [District Rule 2201] Federally Enforceable Through Title V Permit
48. The facility shall not use commercial arsenic as a raw material in the production process. [40CFR61, Subpart N] Federally Enforceable Through Title V Permit
49. Permittee shall submit an Authority to Construct application to bring this glass furnace in to compliance with the Tier 4 enhanced NO_x emissions limits specified in Rule 4354 by June 1, 2016, and be in full compliance with Tier 4 enhanced NO_x emission limits by January 1, 2018. [District Rule 4354] Federally Enforceable Through Title V Permit
50. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202, Fresno County Rule 405, District Rule 4801, and Fresno County Rule 406. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
51. The requirements of District Rule 4301, 40 CFR 60, Subpart CC & 40 CFR 61, Subpart N were determined to be not applicable to this unit. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
52. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District, ARB, or EPA inspection upon request. [District Rules 1070 and 4354] 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: C-948-14-5

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

GLASS PACKING AND CULLET SYSTEM WITH ASSOCIATED CONVEYORS AND ELEVATORS AND 4 PACKING MACHINES SERVED BY THE FOLLOWING BAGHOUSES: INTERNATIONAL CLEAN AIR, MODEL 6800AE, S/N 6032, PANGBORN CORP, S/N 57CH366759, SENECA, S/N 121AM10 AND SENECA MODEL 132-FMTS-100, S/N 962503.

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Daily glass pull rate for this facility shall not exceed 650 US short tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Visible emissions from the Seneca Model 132-FMTS-100, S/N 962503 baghouse serving the fourth packing machine shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The baghouse shall be equipped with an operational pressure differential gauge to indicate the pressure drop across the bags. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Particulate matter emissions (as PM10) shall not exceed 0.0254 pound per ton of glass pulled. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Permittee shall maintain daily records of glass pull rate and shall make this information available to the District upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
12. Visible emissions from the dust collector shall be checked monthly, while in operation. If visible emissions are observed, corrective action shall be taken eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-15-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

25.0 HP EMERGENCY CULLET SYSTEM AND ASSOCIATED CONVEYORS AND ELEVATORS LOCATED BETWEEN THE LEHR AND THE WARE ROOM, SERVED BY A PANGBORN CORPORATION FABRIC COLLECTOR, SN 53-CH3-6657.

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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. Visible emissions from the dust collector shall be checked monthly, while in operation. If visible emissions are observed, corrective action shall be taken eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-17-5

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

"W" INTERLEAVING APPLICATION BOOTH WITH ULTRASONIC SPRAY APPLICATOR FOR THE APPLICATION OF "W" INTERLEAVING TO THE GLASS RIBBON SERVED BY ONE DUAL DIVISION MODEL FW300-5 PVC FUME SCRUBBER AND REMOTE RECIRCULATION TANK

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The mixture of adipic acid and malic acid shall not exceed 3.0% of the "W" interleaving solution. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Fume scrubber shall be operated at all times of operation. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Application of "W" interleaving solution shall not exceed 216 gallons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC emissions shall not exceed 0.020 pound per gallon of "W" interleaving solution used. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Permittee shall record "W" interleaving process rate and adipic acid and malic acid concentration rates. Records shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. The pressure drop across the scrubber shall be measured with a manometer (or similar device) and recorded quarterly during operation of this unit. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. Records of scrubber pressure drop shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
12. Visible emissions from the exhaust stack shall be checked annually. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If excessive visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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13. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-18-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

240 HP JOHN DEERE MODEL 6076AF EMERGENCY IC ENGINE, DIESEL FIRED, TURBOCHARGED WITH AFTERCOOLER AND TIMING RETARDED SIX DEGREES FROM STANDARD. USED TO DRIVE A SULLAIR STANDBY AIR COMPRESSOR.

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 406 (Fresno)] Federally Enforceable Through Title V Permit
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] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 7.01 g-NOx/bhp-hr, 12.8 g-CO/bhp-hr, or 0.19 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.67 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
12. The operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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13. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
14. 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] Federally Enforceable Through Title V Permit
15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-21-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

21 HP TINT GLASS RAW MATERIAL MIXING INCLUDING MIXER EQUIPMENT AND ASSOCIATED CONVEYORS SERVED BY A DCE TYPE DU7 DUST COLLECTOR.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Dust collector filters shall be inspected annually while in operation for evidence of particulate matter leaks and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. Visible emissions from the dust collector shall be checked quarterly, while in operation. If visible emissions are observed, corrective action shall be taken eliminate visible emissions. Corrective action shall eliminate visible emissions within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-22-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

1500 HP DETROIT, MODEL 16E-4930, DIESEL FIRED IC ENGINE POWERING A 1050 KW DETROIT DIESEL DDC 1050 EMERGENCY ELECTRICAL GENERATOR.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Emission limits while firing No. 2 fuel oil shall not exceed the following: NO_x = 29.8 lb/hr, SO_x = 0.2 lb/hr, VOC (NMHC) = 1.1 lb/hr, CO = 21.6 lb/hr and PM₁₀ = 0.2 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Fuel consumption shall not exceed 77.3 gallons of diesel fuel per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801, 17CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. 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] Federally Enforceable Through Title V Permit
15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
16. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-23-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

105 BHP DETROIT DIESEL MODEL 5043-7001 EMERGENCY DIESEL IC ENGINE USED AS PART OF AN EMERGENCY LIGHTING SYSTEM PROVIDING LIGHT THROUGHOUT THE FACILITY DURING PERIODS OF UTILITY POWER INTERRUPTION.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801, 17CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

10. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
11. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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] Federally Enforceable Through Title V Permit
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-24-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

286 BHP DETROIT DIESEL MODEL 8083-7000 EMERGENCY DIESEL IC ENGINE USED MAINTAIN THE MILL USE WATER FLOW DURING PERIODS OF UTILITY POWER INTERRUPTION.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801, 17CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit

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

10. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
11. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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] Federally Enforceable Through Title V Permit
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-25-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

286 BHP DETROIT DIESEL MODEL 8V-92 (8083-7000) EMERGENCY DIESEL IC ENGINE USED MAINTAIN THE MILL USE WATER FLOW DURING PERIODS OF UTILITY POWER INTERRUPTION.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801, 17CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

10. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
11. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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] Federally Enforceable Through Title V Permit
13. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-28-2

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

1804 HP CATERPILLAR MODEL 3512 STD EMERGENCY DIESEL-FIRED INTERNAL COMBUSTION ENGINE DRIVING A 1250 KW ELECTRICAL GENERATOR.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. The diesel engine shall be operated with an initial injection timing setting of 16 degrees BTDC (Before Top Dead Center) or less. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Engine shall be equipped with a turbocharger w/aftercooler or intercooler. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. PM-10 emission rate shall not exceed 0.193 g/hp-hr. [District Rule 4102]
7. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801, 17CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
11. 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] Federally Enforceable Through Title V Permit
12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The 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, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. 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] Federally Enforceable Through Title V Permit
14. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 30 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
16. 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] Federally Enforceable Through Title V Permit
17. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rule 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
18. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-29-1

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

GLASS CUTTING OPERATION WITH AUTOMATIC LUBRICANT APPLICATION

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Permittee shall keep monthly and annual records of type and quantity of cutting aid used in gallons, as well as maintain onsite a copy of the Material Safety Data Sheet (MSDS) for each cutting aid used. [District Rule 1070]
4. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-948-30-1

EXPIRATION DATE: 02/29/2016

EQUIPMENT DESCRIPTION:

MATERIAL HANDLING SYSTEM CONSISTING OF A CULLET TOWER (HOPPER) AND DISCHARGE FEEDER, A BELT CONVEYOR/WEIGHER SYSTEM WITH TWO CONVEYORS, A MIXER DISCHARGE VIBRATING FEEDER, AND FOUR ASSOCIATED DUST COLLECTORS: ONE (1) DONALDSON TORIT MODEL DLM-V4/7F1 AND THREE (3) J.D.B. DENSE FLOW MODEL DF110R

PERMIT UNIT REQUIREMENTS

1. Visible emissions from each baghouse shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from each dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The cleaning frequency and duration for each baghouse shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading ranges shall be maintained between 0 and 5 inches of water column for the Donaldson-Torit dust collector and between 4 and 10 inches of water column for the JDB dust collectors. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Controlled PM10 emissions from the dust collector shall not exceed 0.001 gr/scf. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Differential operating pressure for each baghouse shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Dust collector filters for each baghouse shall be inspected annually while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Dust collector filters for each baghouse shall be inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Records of dust collector maintenance, inspections, and repair for each baghouse shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Visible emissions from each baghouse shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

ATTACHMENT C

Detailed Facility List

Detailed Facility Report

For Facility=948 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PPG INDUSTRIES 3333 S PEACH AVE FRESNO, CA 93725		FAC # C 948		TYPE: TOXIC ID: 40165		TitleV AREA: 3 / INSP. DATE: 07/17		EXP. ON: 02/29/2016	
STATUS: A		TELEPHONE: 2094854660							

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-948-2-3	1577.0 HP DETROIT GENERATOR	3020-10 F	1	820.00	820.00	A	1577 HP DETROIT DIESEL MODEL 12E-9885 DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR.
C-948-3-2	238 bhp IC engine	3020-10 C	1	264.00	264.00	A	238.0 HP DETROIT, MODEL RC6061A, 6A228427 DIESEL IC ENGINE POWERING A WATER PUMP FOR EMERGENCY FIRE SUPPRESSION.
C-948-4-4	517.0 KGAL STORAGE SILO #1	3020-05 F	1	330.00	330.00	A	517.0 KGAL SILICA SAND CONCRETE STORAGE SILO #1, 38'D X 6'19"H, WITH ONE BIN VENT FILTRATION SYSTEM.
C-948-5-4	517.0 KGAL STORAGE SILO	3020-05 F	1	330.00	330.00	A	517.0 KGAL SILICA SAND CONCRETE STORAGE SILO #2, 38'D X 6'19"H, WITH ONE BIN VENT FILTRATION SYSTEM.
C-948-6-11	207.5 hp electric motors	3020-01 E	1	451.00	451.00	A	TRAIN SHED UNLOADING OPERATION WITH 7 UNDERGROUND RECEIVING PITS, 7 SHAKER CONVEYORS, 7 BUCKET ELEVATORS, AND STORAGE SILOS #3 AND #5 (TOTAL OF 1,034,000 GAL); ALL SERVED BY PANGBORN CORPORATION DC-2 BAGHOUSE DUST COLLECTOR (SN #63-CH3-6664) SHARED WITH PERMIT UNIT '10 OR PANGBORN CORPORATION DC-6 BAGHOUSE DUST COLLECTOR (SN 63-CH3-6671) UNDER PERMIT UNIT '10
C-948-7-6	517.0 KGAL CULLET SILO #4	3020-05 F	1	330.00	330.00	A	517,000 GALLON CULLET STORAGE SILO #4 AND CULLET CRUSHING OPERATION WITH CULLET CRUSHER, CULLET ELEVATOR SERVED BY A PANGBORN CORPORATION BAGHOUSE FABRIC COLLECTOR #DC-5, SERIAL #42-CH3-6656, AND CULLET SCREENING BOX
C-948-8-6	517,000 gal storage	3020-05 F	1	330.00	330.00	A	517 KGAL SODA ASH STORAGE SILO #6, 38' D X 6'19" H, SERVED BY A DONALDSON TORIT MODEL CPC-8 DUST COLLECTOR AND A DONALDSON TORIT MODEL CPV-3 DUST COLLECTOR
C-948-9-5	27.0 hp electric motors	3020-01 B	1	129.00	129.00	A	ELECTROSTATIC PRECIPITATOR WASTE DELIVERY SYSTEM WITH 15 HP BLOWER, PNEUMATIC TRANSFER TO 2,000 LB HOPPER VENTING TO TORIT TBV-4 BIN VENT FILTER, SCREW CONVEYOR AND SCALE HOPPER DISCHARGING TO RAW MATERIAL BATCH HOUSE MIXER (C-948-10).
C-948-10-11	194 hp electric motors	3020-01 D	1	345.00	345.00	A	SILO UNLOADING AND MIXING OPERATION INCLUDING BATCH GATHERING BELT SERVED BY PANGBORN CORP DC-6 BAGHOUSE DUST COLLECTOR (SN 63-CH3-6671) SHARED WITH PERMIT UNIT '6 OR DC-2 BAGHOUSE DUST COLLECTOR (SN 67 CH3-6664) UNDER PERMIT UNIT '6, AND A BATCH ELEVATOR, TOTALIZING SCALE, AND GLASS MASTER TURBIN MODEL 12000 MIXER SERVED BY A TORIT DOWN FLO-II MODEL #DFT-2-4 BAGHOUSE DUST COLLECTOR
C-948-11-16	206 MMBtu/hr burners	3020-02 H	1	1,128.00	1,128.00	A	208 MMBTU/HR OXY-FUEL FIRED FLOAT GLASS FURNACE, FIRING ON NATURAL GAS WITH #2 FUEL OIL AS STANDBY, VENTED THROUGH A UNITED MCGILL DRY SCRUBBER/COOLING TOWER AND A UNITED MCGILL MODEL 3-500 ELECTROSTATIC PRECIPITATOR USING SO2 AS A LUBRICANT FOR THE GLASS

Detailed Facility Report

For Facility=948 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	STATUS	PERMIT	EQUIPMENT DESCRIPTION
C-948-14-5	157 HP PACKING AND CULLET	3020-01 D	1	345.00	345.00	A	A	GLASS PACKING AND CULLET SYSTEM WITH ASSOCIATED CONVEYORS AND ELEVATORS AND 4 PACKING MACHINES SERVED BY THE FOLLOWING BAGHOUSES: INTERNATIONAL CLEAN AIR, MODEL 6800AE, S/N 6032, PANGBORN CORP, S/N 57CH366759, SENECA, S/N 121AM10 AND SENECA MODEL 132-FMTS-100, S/N 962503.
C-948-15-2	25.0 HP EMERGENCY CULLET SYS	3020-01 B	1	129.00	129.00	A	A	25.0 HP EMERGENCY CULLET SYSTEM AND ASSOCIATED CONVEYORS AND ELEVATORS LOCATED BETWEEN THE LEHR AND THE WARE ROOM, SERVED BY A PANGBORN CORPORATION FABRIC COLLECTOR, SN 53-CH3-6657.
C-948-17-5	8.5 HP "W" INTERLEAVING BOOT	3020-01 A	1	97.00	97.00	A	A	"W" INTERLEAVING APPLICATION BOOTH WITH ULTRASONIC SPRAY APPLICATOR FOR THE APPLICATION OF "W" INTERLEAVING TO THE GLASS RIBBON SERVED BY ONE DUALL DIVISION MODEL FW300-5 PVC FUME SCRUBBER AND REMOTE RECIRCULATION TANK
C-948-18-2	240 hp emergency IC Engine	3020-10 C	1	264.00	264.00	A	A	240 HP JOHN DEERE MODEL 6076AF EMERGENCY IC ENGINE, DIESEL FIRED, TURBOCHARGED WITH AFTERCOOLER AND TIMING RETARDED SIX DEGREES FROM STANDARD. USED TO DRIVE A SULLAIR STANDBY AIR COMPRESSOR.
C-948-21-2	21 hp electric motors	3020-01 A	1	97.00	97.00	A	A	21 HP TINT GLASS RAW MATERIAL MIXING INCLUDING MIXER EQUIPMENT AND ASSOCIATED CONVEYORS SERVED BY A DCE TYPE DU7 DUST COLLECTOR.
C-948-22-2	1,500 bhp IC engine	3020-10 F	1	820.00	820.00	A	A	1500 HP DETROIT, MODEL 16E-4930, DIESEL FIRED IC ENGINE POWERING A 1050 KW DETROIT DIESEL DDC 1050 EMERGENCY ELECTRICAL GENERATOR.
C-948-23-2	105 BHP DIESEL IC ENGINE	3020-10 B	1	129.00	129.00	A	A	105 BHP DETROIT DIESEL MODEL 5043-7001 EMERGENCY DIESEL IC ENGINE USED AS PART OF AN EMERGENCY LIGHTING SYSTEM PROVIDING LIGHT THROUGHOUT THE FACILITY DURING PERIODS OF UTILITY POWER INTERRUPTION.
C-948-24-2	286 HP DIESEL IC ENGINE	3020-10 C	1	264.00	264.00	A	A	286 BHP DETROIT DIESEL MODEL 8083-7000 EMERGENCY DIESEL IC ENGINE USED TO MAINTAIN THE MILL USE WATER FLOW DURING PERIODS OF UTILITY POWER INTERRUPTION.
C-948-25-2	286 BHP DIESEL IC ENGINE	3020-10 C	1	264.00	264.00	A	A	286 BHP DETROIT DIESEL MODEL 8V-92 (8083-7000) EMERGENCY DIESEL IC ENGINE USED TO MAINTAIN THE MILL USE WATER FLOW DURING PERIODS OF UTILITY POWER INTERRUPTION.
C-948-28-2	1,804 bhp IC engine	3020-10 F	1	820.00	820.00	A	A	1804 HP CATERPILLAR MODEL 3512 STD EMERGENCY DIESEL-FIRED INTERNAL COMBUSTION ENGINE DRIVING A 1250 KW ELECTRICAL GENERATOR.
C-948-29-1	25 electrical HP	3020-01 A	1	97.00	97.00	A	A	GLASS CUTTING OPERATION WITH AUTOMATIC LUBRICANT APPLICATION

Detailed Facility Report

For Facility=948 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-948-30-1	70.5 hp	3020-01 C	1	217.00	217.00	A	MATERIAL HANDLING SYSTEM CONSISTING OF A CULLET TOWER (HOPPER) AND DISCHARGE FEEDER, A BELT CONVEYOR/WEIGHER SYSTEM WITH TWO CONVEYORS, A MIXER DISCHARGE VIBRATING FEEDER, AND FOUR ASSOCIATED DUST COLLECTORS: ONE (1) DONALDSON TORIT MODEL DLM-V47F1 AND THREE (3) J.D.B. DENSE FLOW MODEL DF110R

Number of Facilities Reported: 1

ATTACHMENT D

Application for Transfer of Ownership



San Joaquin Valley Air Pollution Control District

www.valleyair.org



TRANSFER OF OWNERSHIP/OPERATOR OR NAME CHANGE APPLICATION

TRANSFER OF OWNERSHIP/OPERATOR: *if yes please answer the following:*

Transfer All Permit Units

Partial Transfer (Transfer some but not all permit units)

Sale includes the Transfer of Ownership of existing Emission Reduction Credits (ERCs). *If yes, please submit a separate ERC Transfer of Ownership Application Form located on the District website at:*

<http://www.valleyair.org/busind/pto/ptoforms/1ptoforidx.htm>

NAME CHANGE ONLY: No change in facility ownership has occurred.

1. PERMIT(S) TO BE ISSUED TO: Vitro Flat Glass LLC

2. MAILING ADDRESS:
STREET/P.O. BOX: 3333 South Peach Avenue
CITY: Fresno STATE: CA ZIP CODE (9 digits): 93725-9220

3. LOCATION WHERE THE EQUIPMENT IS CURRENTLY OPERATED:
STREET: 3333 South Peach Avenue
CITY: Fresno

4. PERMIT NUMBER(S) TO BE TRANSFERRED:
(Use additional sheets if necessary)
See attached list

5. In case late fee penalties have accrued on unpaid existing invoice(s), do you request a new owner penalty fee waiver (1-time) ?
Yes No

6. SIGNATURE OF APPLICANT (Acquiring Owner or Representative): [Signature] TYPE OR PRINT TITLE OF APPLICANT: Plant Manager

7. TYPE OR PRINT NAME OF APPLICANT: Ray Yee DATE: 8/29/16 PHONE #: (559) 485-4660
CELL PHONE #: FAX #: E-MAIL: yee@ppg.com

8. PERMIT(S) CURRENTLY ISSUED TO: PPG Industries, Inc.

9. MAILING ADDRESS:
STREET/P.O. BOX: 3333 South Peach Avenue
CITY: Fresno STATE: CA ZIP CODE (9 digits): 93725-9220

OR APCD USE ONLY:
RECEIVED: **SEP 06 2016** SJVUAPCD
FILING FEE RECEIVED: \$ 28.00
DATE PAID: **SEP 06 2016**
PROJECT NO.: C-1162391 FACILITY ID.: C-948

**TRANSFER OF OWNERSHIP/OPERATOR
LETTER OF RELEASE**

CURRENT PERMIT HOLDER

PPG Industries, Inc., as current permit holder
(PRINT BUSINESS NAME AS CURRENTLY LISTED ON PERMITS)

of Permits to Operate (as listed below) issued by the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD), hereby releases all rights of ownership of the listed Permits to Operate to:

Vitro Flat Glass LLC as of 10/1/16
(PRINT NAME OF BUSINESS TRANSFERRING TO) (EFFECTIVE DATE OF TRANSFER)

PERMIT NUMBER(s) TO BE TRANSFERED
(PLEASE LIST)

See attached list

(USE ADDITIONAL SHEETS IF NECESSARY)

SIGNED:  **DATE:** _____
(CURRENT OR RELEASING PERMIT HOLDER)

NAME: Ray Yee **TITLE:** Plant Manager
(PRINT NAME)

ACQUIRING COMPANY/CONTACT

COMPANY:
NAME: Vitro Flat Glass LLC
(PRINT BUSINESS NAME TO BE LISTED ON PERMITS)

ADDRESS: 3333 South Peach Avenue, Fresno, CA, 93725-9220

TELEPHONE: (559) 485-4660

CONTACT PERSON:
NAME: Wendy Garcia
(PRINT NAME)

TELEPHONE: (559) 493-3204

**San Joaquin Valley
Unified Air Pollution Control District**

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE
 MINOR PERMIT MODIFICATION AMENDMENT

COMPANY NAME: PPG Industries, Inc.	FACILITY ID: C - 948
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: PPG Industries, Inc.	
3. Agent to the Owner: n/a	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- PPG to initial*
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
 - Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
 - Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
 - Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

Ray Yee
Signature of Responsible Official

9/6/16
Date

Ray Yee
Ray Yee
Name of Responsible Official (please print)

Plant Manager
Plant Manager
Title of Responsible Official (please print)

PPG Industries, Inc. / Vitro Flat Glass LLC
 Transfer of Ownership Request
 List of Permitted Sources to be Transferred

Source No.	Source
C-948-0	Facility
C-948-2	Emergency Diesel Engine
C-948-3	Emergency Diesel Engine
C-948-4	Silica/ Sand Concrete Storage Silo
C-948-5	Silica/ Sand Concrete Storage Silo
C-948-6	Train shed unloading
C-948-7	Cullet Storage Silo
C-948-8	Soda Ash Storage Silo
C-948-9	Electrostatic Precipitator Waste Delivery System
C-948-10	Silo Unloading and Mixing Operation including Batch Gathering Belt, Elevator, and Totalizing Scale
C-948-11	Oxy-Fuel Fired Float Glass Furnace
C-948-14	Glass Pacing and Cullet System
C-948-15	Emergency Cullet System
C-948-17	"W" Interleaving Application Booth
C-948-18	Emergency Diesel Engine
C-948-21	Tint Glass Raw Material Mixing
C-948-22	Emergency Diesel Engine
C-948-23	Emergency Diesel Engine
C-948-24	Emergency Diesel Engine
C-948-25	Emergency Diesel Engine
C-948-28	Emergency Diesel Engine
C-948-29	Glass Cutting
C-948-30	Material Handling System

TRANSFER OF OWNERSHIP/OPERATOR - NAME CHANGE APPLICATION (Cont'd)

Facility Number C-948

9. STATUS OF AUTHORITY(S) TO CONSTRUCT ON DATE OWNERSHIP WAS TRANSFERRED

ATC NO.	UNDER CONSTRUCTION	IN OPERATION	OTHER STATUS*
<u>-0-3</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <u>Title V Permit Renewal</u>
<u>-2-4</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-3-3</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-4-5</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-5-5</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-6-9</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-7-7</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-8-7</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-9-6</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-10-9</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-11-17</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-14-6</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-15-3</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-17-6</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-18-5</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-21-3</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* If OTHER STATUS, please explain.

Signature of New Owner/Operator 

TRANSFER OF OWNERSHIP/OPERATOR - NAME CHANGE APPLICATION (Cont'd)

Facility Number C-948

9. STATUS OF AUTHORITY(S) TO CONSTRUCT ON DATE OWNERSHIP WAS TRANSFERRED

ATC NO.	UNDER CONSTRUCTION	IN OPERATION	OTHER STATUS*
<u>-22-3</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <u>Title V Permit Renewal</u>
<u>-30-2</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <u>↓</u>
<u>-6-10</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>-10-10</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>-11-18</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>-17-7</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* IF OTHER STATUS, please explain.

Signature of New Owner/Operator *[Signature]*

ATTACHMENT E

Authority to Construct C-948-17-7



AUTHORITY TO CONSTRUCT

PERMIT NO: C-948-17-7

ISSUANCE DATE: 06/13/2016

LEGAL OWNER OR OPERATOR: PPG INDUSTRIES
MAILING ADDRESS: 3333 S PEACH AVE
FRESNO, CA 93725

LOCATION: 3333 S PEACH AVE
FRESNO, CA 93725

EQUIPMENT DESCRIPTION:

MODIFICATION OF "W" INTERLEAVING SOLUTION MIXING BOOTH AND APPLICATION BOOTH WITH ULTRASONIC SPRAY APPLICATOR FOR THE APPLICATION OF "W" INTERLEAVING TO THE GLASS RIBBON SERVED BY ONE DUAL DIVISION MODEL FW300-5 PVC FUME SCRUBBER AND REMOTE RECIRCULATION TANK; AUTHORIZE USE OF "IW" INTERLEAVING SOLUTION

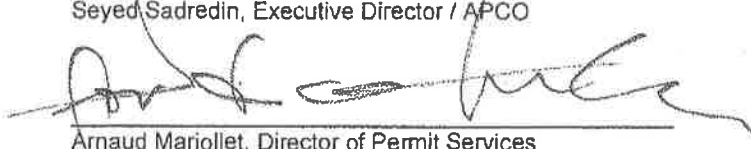
CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The permittee shall only mix and apply either "W" or "IW" interleaving solutions. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The "W" interleaving solution shall not contain more than 3.0% by weight of adipic acid and malic acid. The remainder of the solution shall be water. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The "IW" interleaving solution shall not contain more than 6.0% by weight of adipic acid, malic acid, maleic acid, surfactant(s), and biocide(s). The surfactant(s) and biocide(s) shall not comprise more than 0.1% of the solution by weight. The remainder of the solution shall be water. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO


Arnaud Marjollet, Director of Permit Services

C-948-17-7 : JUN 13 2016 1:15PM -- CLERICOB Joint Inspection NOT Required

7. On any day when any "IW" interleaving solution is applied, the amount of interleaving solution applied shall not exceed 107 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
8. On any day when only "W" interleaving solution is applied, the amount of interleaving solution applied shall not exceed 216 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The fume scrubber shall be operated whenever interleaving solution is being mixed or applied. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions shall not exceed 1.4 lb per day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Visible emissions from the exhaust stack shall be checked annually. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If excessive visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
12. The permittee shall keep a daily record of (1) the name ("W" or "IW") of the interleaving solution used, (2) the amount in gallons used, and (3) the composition of the interleaving solution. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The pressure drop across the scrubber shall be measured with a manometer (or similar device) and recorded quarterly during operation of this unit. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
14. Records of scrubber pressure drop shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201, Fresno County Rule 404, District Rule 4202 and Fresno County Rule 405. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit