



**MAY 27 2011**

Mark Roth  
PPG Industries Inc  
3333 South Peach Avenue  
Fresno, CA 93725

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # C-948  
Project # C-1062650**

Dear Mr. Roth:

The District has issued the Final Renewed Title V Permit for PPG Industries Inc. The preliminary decision for this project was made on March 10, 2011. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

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

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

Sincerely,

David Warner  
Director of Permit Services

Attachments

cc: Andrea Ogden, Permit Services Engineer

**Seyed Sadredin**

Executive Director/Air Pollution Control Officer

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**Northern Region**

4800 Enterprise Way  
Modesto, CA 95356-8718

Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**

1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244

Tel: (559) 230-6000 FAX: (559) 230-6061

**Southern Region**

34946 Flyover Court  
Bakersfield, CA 93308-9725

Tel: 661-392-5500 FAX: 661-392-5585



MAY 27 2011

Gerardo C. Rios, Chief  
Permits Office (AIR-3)  
U.S. EPA - Region IX  
75 Hawthorne St.  
San Francisco, CA 94105

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # C-948  
Project # C-1062650**

Dear Mr. Rios:

The District has issued the Final Renewed Title V Permit for PPG Industries Inc. The preliminary decision for this project was made on March 10, 2011. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

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

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

Sincerely,



David Warner  
Director of Permit Services

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cc: Andrea Ogden, Permit Services Engineer

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MAY 27 2011

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

**Re: Notice of Final Action - Title V Permit Renewal  
District Facility # C-948  
Project # C-1062650**

Dear Mr. Tollstrup:

The District has issued the Final Renewed Title V Permit for PPG Industries Inc. The preliminary decision for this project was made on March 10, 2011. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

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

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

Sincerely,

David Warner  
Director of Permit Services

Attachments

cc: Andrea Ogden, Permit Services Engineer

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Executive Director/Air Pollution Control Officer

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Fresno Bee

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

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to issue the renewed Federally Mandated Operating Permit to PPG Industries Inc for its flat glass manufacturing operation located at 3333 South Peach Ave in Fresno, California.

The District's analysis of the legal and factual basis for this proposed action, project #C-1062650, is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and the District office at the address below. For additional information regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.

# SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

Title V Permit Renewal Evaluation  
PPG Industries, Inc.  
C-948

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**TITLE V PERMIT RENEWAL EVALUATION**  
**Flat Glass Manufacturing**

**Engineer:** Andrea Ogden  
**Date:** October 20, 2009

**Facility Number:** C-948  
**Facility Name:** PPG Industries Inc.  
**Mailing Address:** 3333 S Peach Avenue  
Fresno, CA 93725

**Contact Name:** Fernando Morisson  
**Phone:** (559) 493-3208

**Responsible Official:** Mark Roth  
**Title:** Plant Manager

**Project # :** C-1062650  
**Deemed Complete:** September 28, 2006

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**I. PROPOSAL**

PPG Industries, Inc. was issued a Title V permit on October 31, 2002. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit. These modifications include changes requested in Administrative Amendment applications (Projects C-1101823, C-1101825, C-1101826 and C-1101827) and Authority to Construct permits issued as a result of Project C-1062568 and implemented with Minor Modification application Project C-1074586.

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**

PPG Industries, Inc. is located at 3333 S Peach Avenue in Fresno, CA.

### **III. EQUIPMENT LISTING**

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

### **IV. GENERAL PERMIT TEMPLATE USAGE**

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

### **V. SCOPE OF EPA AND PUBLIC REVIEW**

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 March 21, 2002 ⇒ amended December 20, 2007)
- District Rule 2201, New and Modified Stationary Source Review Rule  
(amended September 21, 2006)
- District Rule 4101, Visible Emissions  
(amended December 17, 1992 ⇒ amended February 17, 2005)
- District Rule 4354, Glass Melting Furnaces  
(amended April 16, 1998 ⇒ amended September 16, 2010)
- District Rule 4601, Architectural Coatings  
(amended October 31, 2001 ⇒ amended December 17, 2009)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos  
(amended September 18, 2003)
- 40 CFR Part 82, Subpart B, Stratospheric Ozone  
(amended November 9, 2007)

- 40 CFR Part 82, Subpart F, Stratospheric Ozone (amended June 8, 2008)

**B. Rules Added**

- District Rule 4702, Internal Combustion Engines Phase 2 (adopted August 21, 2003 ⇒ amended January 18, 2007)

**C. Rules Not Updated**

- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate (amended December 17, 1992)
- District Rule 4701, Internal Combustion Engines (amended August 21, 2003)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)
- District Rule 8011, General Requirements



(Adopted November 15, 2001 ⇒ amended August 19, 2004)

- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8031, Bulk Materials  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8041, Carryout and Trackout  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8051, Open Areas  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas  
(adopted November 15, 2001 ⇒ amended September 16, 2004)
- 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  
(March 13, 2000)

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

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

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

### **A. Rules Not Updated**

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

Condition 1 of permit units -0-2, -18-2, -29-1 and condition 2 of permit unit -27-1 are based on District Rule 4102 and will therefore not be discussed any further.

## **VIII. PERMIT REQUIREMENTS**

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

### **A. District Rule 2020 - Exemptions**

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

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

District Rule 2201 has been amended since this facility's initial Title V permit was issued. This Title V permit renewal does not constitute a modification per section 3.26, defined as an action including at least one of the following items:

- 1) Any change in hours of operation, production rate, or method of operation of an existing emissions unit, which would necessitate a change in permit conditions.
- 2) Any structural change or addition to an existing emissions unit which would necessitate a change in permit conditions. Routine replacement shall not be considered to be a structural change.
- 3) An increase in emissions from an emissions unit caused by a modification of the Stationary Source when the emissions unit is not subject to a daily emissions limitation.
- 4) Addition of any new emissions unit which is subject to District permitting requirements.
- 5) A change in a permit term or condition proposed by an applicant to obtain an exemption from an applicable requirement to which the source would otherwise be subject.

Therefore, the updated requirements of this rule are not applicable at this time.

### **C. District Rule 2520 - Federally Mandated Operating Permits**

This rule was amended to incorporate several administrative corrections, clarify rule language, and add procedures for implementing compliance schedules. The only amendments to this rule that will have an effect on current permit requirements are the corrections to Section 9 rule references, as described in the following table:

<b>Old Rule Section</b>	<b>Corrected Rule Section</b>
9.3	9.2
9.4	9.3
9.5	9.4
9.6	9.5
9.7	9.6
9.8	9.7
9.9	9.8
9.10	9.9
9.11	9.10
9.12	9.11
9.13	9.12
9.14	9.13
9.15	9.14
9.16	9.15
9.17	9.16
9.18	9.17
9.19	9.18

Rule 2520, Section 6.4.4, "Other Changes Not Requiring Title V Permit Amendment," allowed the permittee to implement changes, including the addition of new emissions units, without triggering the permit modification or amendment requirements until the time of Title V permit renewal, provided the conditions described in Sections 6.4.4.1 through 6.4.4.2 were met.

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

**D. District Rule 4354 - Glass Melting Furnaces**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), volatile organic compounds (VOC), oxides of sulfur (SO<sub>x</sub>), and particulate matter (PM<sub>10</sub>) from glass melting furnaces.

The provisions of this rule shall apply to any glass melting furnace.

The applicable emissions requirements from Sections 5.0 through 5.4 are summarized in the following table.

	NOx (lb/ton)		SOx (lb/ton)		CO (lb/ton)	VOC (lb/ton)	PM10 (lb/ton)
	Block 24 hr average	Rolling 30 day average	Block 24 hr average	Rolling 30 day average	Rolling 3 hour average	Rolling 3 hour average	Block 24 hour average
Current Limits	5.5	5.0	1.7	1.2	0.9	0.10	0.70
Future Limits	3.4	2.9	-	-	-	-	-
Conditions Ensuring Compliance	10 through 13		15		19	18	8

The following requirements for start-up, shutdown, and idling are summarized from Sections 5.5 through 5.7.

- The operator shall submit a request for a start-up exemption to the APCO, ARB, and EPA in conjunction with or in advance of an application for Authority to Construct (ATC) associated with a furnace rebuild.
- The operator shall submit to the APCO, ARB, and EPA any information deemed necessary by the APCO, ARB, or EPA to determine the appropriate length of start-up exemption.
- The actual length of the start-up exemption shall be determined by the APCO, ARB, and EPA at the time of the ATC issuance.
- The duration of shutdown, as measured from the time the furnace operations drop below the idle threshold specified in Section 3.17 to when all emissions from the furnace cease, shall not exceed 20 days.
- The emission control system shall be in operation as soon as technologically feasible during start-up to minimize emissions.

- Notifications shall be performed and records kept in accordance with Section 6.7.

The following requirements for monitoring are summarized from Section 5.9

- The operator of any glass melting furnace shall implement a NO<sub>x</sub> CEMS that is approved, in writing, by the APCO and EPA, and that meets the requirements of Section 6.6.
- The operator shall implement a CO, VOC and SO<sub>x</sub> CEMS that meets the requirements of Section 6.6.1, and that is approved, in writing, by the APCO.
- In lieu of installing and operating a CEMS for CO or CEMS for VOC or both, an operator may propose key system operating parameter(s) and frequency of monitoring and recording.
- The operator shall obtain approval of the APCO and EPA for the specific key system operating parameter(s), monitoring frequency, and recording frequency used by the operator to monitor PM<sub>10</sub> emissions.
- The operator shall monitor approved key system operating parameter(s) at the approved monitoring frequency to ensure compliance with the emission limit(s) during periods of emission-producing activities.
- Acceptable range(s) for key system operating parameter(s) shall be demonstrated through source test.

The following requirements for recordkeeping are summarized from Section 6.3.

- Operators shall maintain daily records of the following items:
  - Total hours of operation;
  - The quantity of glass pulled from each furnace;
  - NO<sub>x</sub> emission rate in lb/ton glass pulled;
  - CO emission rate in lb/ton glass pulled, if a CEMS is used;
  - VOC emission rate in lb/ton glass pulled, if a CEMS is used;
  - SO<sub>x</sub> emission rate in lb/ton glass pulled, if a CEMS is used;
  - PM<sub>10</sub> emission rate in lb/ton glass pulled, if a CEMS is used;
- For pollutants monitored using an approved parametric monitoring arrangement, operators shall record the operating

values of the key system operating parameters at the approved recording frequency.

- Operators shall maintain records of the following items:  
Source tests and source test results;  
The acceptable range for each approved key system operating parameter, as established during source test;  
Maintenance and repair  
Malfunction

The following requirements for Compliance Source Testing and Test Methods are summarized from Sections 6.4 and 6.5

- Each glass melting furnace shall be source tested at least once every calendar year, but not more than every 18 months and not sooner than every 6 months to demonstrate compliance with the applicable requirements of Section 5.0. Sources exempt under Section 4.3 are not required to source test for the exempted pollutants.
- Source test conditions shall be representative of normal operations, but not less than 60 percent of the permitted glass production capacity.
- For operators using alternative monitoring systems, during the source test, the operator shall monitor and record, at a minimum, all operating data for each parameter, fresh feed rate, and flue gas flow rate and submit this data with the test report.
- During source testing the arithmetic average of three (3) 30-consecutive-minute test runs shall be used to determine compliance with NO<sub>x</sub>, CO, VOC, and SO<sub>x</sub> emission limits. Three (3) 60-consecutive-minute test runs shall be used to determine compliance with PM<sub>10</sub> emission limits.
- 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.
- Oxides of nitrogen – EPA Method 7E, EPA Method 19, or ARB Method 100.

- Carbon monoxide (ppmv) – EPA Method 10, or ARB Method 100.
- Volatile Organic Compound (ppmv) – EPA Method 25A expressed in terms of carbon or ARB Method 100. EPA Method 18 or ARB Method 422 shall be used to determine emissions of exempt compounds.
- Stack gas oxygen, carbon dioxide, excess air, and dry molecular weight – EPA Method 3 or 3A, or ARB Method 100.
- Stack gas velocity and volumetric flow rate – EPA Method 2.
- Oxides of sulfur – EPA Method 6C, EPA Method 8, or ARB Method 100.
- Sulfur content of liquid fuel – American Society for Testing and Materials (ASTM) D 6428-99 or ASTM D 5453-99.
- PM10 Test Methods  
Filterable PM10 emissions - EPA Method 5; EPA Method 201; or EPA Method 201A. An operator choosing EPA Method 5 shall count all PM collected as PM10.

Condensable PM 10 emissions - EPA Method 202 with the following procedures:

1. Purge the impinger with dry nitrogen for one hour. The one-hour purge with dry nitrogen shall be performed as soon possible after the final leak check of the system.
2. Neutralize the inorganic portion to a pH of 7.0. Use the procedure, "Determination of NH<sub>4</sub> Retained in Sample by Titration" described in Method 202 to neutralize the sulfuric acid. Neutralizing the inorganic portion to a pH of 7.0 determines the un-neutralized sulfuric acid content of the sample without over-correcting the amount of neutralized sulfate in the inorganic portion.
3. 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."

The following conditions on Permit unit C-948-11-13 were added or modified to ensure compliance with the amended requirements of this rule.

Conditions 5, 20, and 38 were modified. Conditions 8, 15, 21, 30, 41, and 45 were added.

**E. District Rule 4702 - Internal Combustion Engines Phase 2**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), 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.

Pursuant to Section 4.2, except for the requirements of Sections 5.7 and 6.2.3, the requirements of this rule shall not apply to an internal combustion engine that meets the following condition:

- 1) An emergency standby engine as defined in Section 3.0 of this rule, and provided that it is operated with a nonresettable elapsed operating time meter. In lieu of a nonresettable time meter, the owner of an emergency engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

Section 3.15 defines an "Emergency Standby Engine" as an internal combustion engine which operates as a temporary replacement for primary mechanical or electrical power during an unscheduled outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the operator. An engine shall be considered to be an emergency standby engine if it is used only for the following purposes: (1) periodic maintenance, periodic readiness testing, or readiness testing during and after repair work; (2) unscheduled outages, or to supply power while maintenance is performed or repairs are made to the primary power supply; and (3) if it is limited to operate 100 hours or less per calendar year for non-emergency purposes. An engine shall not be considered to be an emergency standby engine if it is used: (1) to reduce the demand for electrical power when normal electrical power line service has not failed, or (2) to produce power for the utility electrical distribution system, or



(3) in conjunction with a voluntary utility demand reduction program or interruptible power contract.

Therefore, the emergency standby IC engines will only have to meet the requirements of Sections 5.7 and 6.2.3 of this Rule.

Section 5.7 of this Rule requires that the owner of an emergency standby engine shall comply with the requirements specified in Section 5.7.2 through Section 5.7.5 below:

- 1) Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier.
- 2) Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.
- 3) Install and operate a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and is allowed by Permit-to-Operate or Stationary Equipment Registration condition. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

Section 6.2.3 requires that an owner claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and submitted to the APCO upon request and at the end of each calendar year in a manner and form approved by the APCO. The following conditions will be listed to ensure compliance:

Permit Unit	Conditions
C-948-2-3	2, 4, 5, 6, 7, 8, 9, 10, and 11
C-948-3-2	2, 4, 5, 7, 8, 9, 10, 11, and 12
C-948-18-2	5, 9, 10, 11, 13, and 14
C-948-22-2	3, 7, 8, 9, 10, 11, 12, 13, and 14
C-948-23-2	3, 5, 6, 7, 8, 9, 10, 11, and 12
C-948-24-2	3, 5, 6, 7, 8, 9, 10, 11, and 12
C-948-25-2	3, 5, 6, 7, 8, 9, 10, 11, and 12
C-948-28-2	7, 9, 10, 11, 12, 13, 14, 15, and 16

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

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

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

#### Storage Silos

None of the storage silo units at this facility (C-948-4-4, -5-4, -7-4, and-8-4) are subject to CAM, since they do not have emission limits for PM10 (the only pollutant which would be emitted).

#### Train Shed Unloading Operation

Unit C-948-6-6 may be subject to CAM for PM10 emissions since there is a limit for this pollutant, and the unit is equipped with a fabric filter add-on control device for this pollutant.

The controlled PM10 emission factor for this unit is 0.0003 lb/ton with a maximum of 1728 tons per day. Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be  $0.0003/(1-.99) \times 1728 = 51.84$  lb/day. The maximum operating schedule for this unit is 365 days/year.

$365 \text{ days/year} \times 51.84 \text{ lb PM10/hr} = 18,922 \text{ lbs PM10/year}$

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

#### Silo Unloading Operation

Unit C-948-10-6 may be subject to CAM for PM10 emissions since there is a limit for this pollutant, and the unit is equipped with a fabric filter add-on control device for this pollutant,

The controlled PM10 emission factor for this unit is 0.00625 lb/ton with a maximum of 1500 tons per day. Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be  $0.00625/(1-.99) \times 1500 = 93.75$  lb/day. The maximum operating schedule for this unit is 365 days/year.

$365 \text{ days/year} \times 93.75 \text{ lb PM}_{10}/\text{hr} = 34,219 \text{ lbs PM}_{10}/\text{year}$

Since this does not exceed the PM<sub>10</sub> major source threshold of 140,000 lb/year, CAM is not applicable to this unit for PM<sub>10</sub>.

#### Electrostatic Precipitator Waste Delivery System

C-948-9-5 is not subject to CAM, since it does not have an emission limit for PM<sub>10</sub> (the only pollutant which would be emitted).

#### Float Glass Furnace

C-948-11-13 is not subject to CAM for NO<sub>x</sub>, VOC, CO and SO<sub>x</sub> emissions since it is equipped with Continuous Emissions Monitors (CEMs) for these pollutants. However, Unit C-948-11-13 may be subject to CAM for PM<sub>10</sub> emissions since there is a limit for this pollutant, and the unit is equipped with a fabric filter add-on control device.

The controlled PM<sub>10</sub> emission factor for this unit is 18.8 lb/hr. Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be  $18.8/(1-.99) = 1,880 \text{ lb/hr}$ . The maximum operating schedule for this unit is 8,760 hours/year.

$8,760 \text{ hr/year} \times 1,880 \text{ lb PM}_{10}/\text{hr} = 16.4688 \times 10^6 \text{ lbs PM}_{10}/\text{year}$

Since this exceeds the PM<sub>10</sub> major source threshold of 140,000 lb/year, CAM is applicable to this unit for PM<sub>10</sub>.

In order to determine if a 15-minute monitoring interval is required, we will determine if post-control emissions also exceed the Major Source threshold for PM<sub>10</sub> emissions:

$18.8 \text{ lb PM}_{10}/\text{hr} \times 8,760 \text{ hrs/year} = 164,688 \text{ lb PM}_{10}/\text{year}$

Since the post-control annual emissions do exceed the Major Source threshold for PM<sub>10</sub> of 140,000 lb/year, a 15-minute monitoring interval is required to determine compliance with CAM.

Permit unit C-948-11-13 will implement the requirements of CAM for the float glass furnace by monitoring PM<sub>10</sub> emissions using a CEMS to monitor the Electrostatic Precipitator total kilovoltage on a continuous basis to provide supplemental indication of PM<sub>10</sub> emission control performance.

### Glass Packing and Cullet System

Unit C-948-14-5 may be subject to CAM for PM10 emissions since there is a limit for this pollutant, and the unit is equipped with a fabric filter add-on control device.

The controlled PM10 emission factor for this unit is 16.51 lb/day (0.0254 lb /ton x 650 ton/day). Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be  $16.51/(1-.99) = 1,651$  lb/day. The maximum operating schedule for this unit is 365 day/year.

$365 \text{ day/year} \times 1,651 \text{ lb PM10/day} = 602,615 \text{ lbs PM10/year}$

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

In order to determine if a 15-minute monitoring interval is required, we will determine if post-control emissions also exceed the Major Source threshold for PM10 emissions:

$365 \text{ day/year} \times 16.51 \text{ lb PM10/day} = 6,026.15 \text{ lbs PM10/year}$

Since the post-control annual emissions do not exceed the Major Source threshold for PM10 of 140,000 lb/year, a 15-minute monitoring interval is not required to determine compliance with CAM.

Permit unit C-948-14-5 will implement the requirements of CAM for the glass packing and cullet system by monitoring an operational pressure differential gauge and checking visible emissions basis to provide supplemental indication of PM10 emission control performance.

### Emergency Cullet System

C-948-15-2 is not subject to CAM, since it does not have an emission limit for PM10 (the only pollutant which would be emitted).

### "W" Interweaving Application Booth

C-948-17-3 is not subject to CAM because it does not have any add-on controls for VOC or any emission limits for SOx.

### Tint Glass Raw Material Mixing

C-948-21-2 is not subject to CAM, since it does not have an emission limit for PM10 (the only pollutant which would be emitted).

Tempering Furnace

C-948-27-2 is not subject to CAM because it does not have any add-on controls.

Emergency IC Engines

Units C-948-2-3, -3-2, -18-2, -22-2, -23-2, -24-2, -25-2 and -28-2 are not subject to CAM because they do not have any add-on controls.

Glass Cutting Operation

C-948-29-1 is not subject to CAM because it does not have any add-on controls or any emission limits.

**IX. PERMIT SHIELD**

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

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

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

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

The applicant is requesting a permit shield for each of the requirements listed below:

1. District Rule 4201

The requirements of this rule are stated in condition 1 of the requirements for permit units C-948-2-3, -4-4, -5-4, -6-6, -7-4, -8-4, -9-5, -10-6, -14-5, -15-2, -21-2, -22-2, -23-2, -24-2, -25-2, -27-2, and -28-2, condition 6 for permit unit C-948-11-13, condition 3 of permit unit C-948-17-3, and -18-2. Therefore, a permit shield is being granted for these requirements.

2. District Rule 4801

The requirements of this rule are stated in condition 3 and 4 of the requirements for permit unit C-948-27-2. Therefore, a permit shield is being granted for these requirements in condition 10 of the requirements for permit unit C-948-27-2.

**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. Facility Comments and District Response

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# ATTACHMENT A

Renewed Title V Operating Permit

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# Permit to Operate

**FACILITY:** C-948

**EXPIRATION DATE:** 02/29/2016

**LEGAL OWNER OR OPERATOR:**

PPG INDUSTRIES  
3333 S PEACH AVE  
FRESNO, CA 93725

**MAILING ADDRESS:**

**FACILITY LOCATION:**

3333 S PEACH AVE  
FRESNO, CA 93725

**FACILITY DESCRIPTION:**

GLASS MANUFACTURING

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**Seyed Sadredin**  
Executive Director / APCO

**David Warner**  
Director of Permit Services



# San Joaquin Valley Air Pollution Control District

FACILITY: C-948-0-2

EXPIRATION DATE: 02/29/2016

## FACILITY-WIDE REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The 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: PPG INDUSTRIES  
Location: 3333 S PEACH AVE, FRESNO, CA 93725  
C-948-0-2: May 12 2011 7:40AM - OGDENA

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 Rule 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 Rule 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 Rule 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 Rule 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 Rule 8061 and Rule 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 Rule 8071 and Rule 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

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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

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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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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-948-6-6

**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 FABRIC COLLECTOR (SN #63-CH3-6664) SHARED WITH PERMIT UNITS '-8 AND '-10; OR PANGBORN CORPORATION DC-6 FABRIC COLLECTOR SHARED BY PERMIT UNIT '-10 (SN 63-CH3-6671)

## **PERMIT UNIT REQUIREMENTS**

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions from the baghouse 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
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. 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
5. Emissions shall be controlled by dust collector DC-2 (Pangborne Model #67-CH3) whenever material receiving operations are conducted. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The amount of dry material received the underground pits into the storage silos shall not exceed 10,080 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Maximum daily amount of cullet received in the silos shall not exceed 1728 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Emissions of PM10 from the receiving of materials through the underground pits into the storage silos shall not exceed 0.0003 lb/ton of material transferred. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Combined emissions from permit units C-948-6 and C-948-10 shall not exceed 12.4 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
10. 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
11. 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, 9.4.2] Federally Enforceable Through Title V Permit
12. 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
13. 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, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Permittee shall maintain daily records of 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 Rule 2520, 9.4.2] 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-7-4

**EXPIRATION DATE:** 02/29/2016

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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 throughput shall not exceed 5183 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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
8. 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
9. 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
10. 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-948-8-4

**EXPIRATION DATE:** 02/29/2016

**EQUIPMENT DESCRIPTION:**

517 KGAL SODA ASH STORAGE SILO #6, 38' D X 61'9" H, WITH AN AGET DUST COLLECTOR AND A BIN VENT FILTRATION SYSTEM VENTED TO THE PANGBORN CORPORATION DC-2 FABRIC COLLECTOR (SN #67-CH3-6664) SHARED WITH PERMIT UNITS -6 AND -10

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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 2246 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 throughput 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

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# 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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-10-6

**EXPIRATION DATE:** 02/29/2016

**EQUIPMENT DESCRIPTION:**

SILO UNLOADING AND MIXING OPERATION INCLUDING BATCH GATHERING BELT, BATCH ELEVATOR AND TOTALIZING SCALE SERVED BY PANGBORN CORP DC-6 FABRIC COLLECTOR (SN 63-CH3-6671) OR DC-2 FABRIC COLLECTOR (SN 67 CH3-6664) AND GLASS MASTER TURBIN MODEL 12000 MIXER SERVED BY A TORIT DOWN FLO-II MODEL #DFT-2-4 BAGHOUSE. PANGBORN CORP DC-2 FABRIC COLLECTOR IS SHARED BY PERMIT UNITS -6 AND -8

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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 NSR Rule] 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. 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
5. Emissions shall be controlled by a baghouse dust collector: either DC-6 (Pangborne Model #67-CH3) or DC-2 (Pangborne Model #63-CH3). [District NSR Rule] Federally Enforceable Through Title V Permit
6. 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 NSR Rule] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.006 pound per ton of material throughput. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Maximum throughput of the batch mixer shall not exceed 1500 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Combined emissions from permit units C-948-6 and C-948-10 shall not exceed 12.4 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
10. 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
11. 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
12. 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
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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14. Permittee shall maintain daily records of the material throughput to the batch mixer, and such records shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-11-13

**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 SO<sub>2</sub> AS A LUBRICANT FOR THE GLASS

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The furnace and burners shall be operated so as to minimize the NO<sub>x</sub> emissions to the maximum extent possible without adversely affecting the product quality and furnace integrity. [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. 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 NSR Rule] Federally Enforceable Through Title V Permit
5. Daily glass pull rate for this facility shall not exceed 650 U.S. short tons per day. [District NSR Rule and District Rule 4354, 6.1] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
7. Particulate Matter emissions (as PM<sub>10</sub>) shall not exceed 18.80 pounds per hour from the electrostatic precipitator. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Particulate Matter emissions (as PM<sub>10</sub>) shall not exceed 0.70 pounds per ton glass pulled on a block 24-hour average from the glass melting furnace. [District Rule 4354, 5.4] Federally Enforceable Through Title V Permit
9. The glass furnace shall be vented to a dry scrubber/electrostatic precipitator system anytime the furnace is operating. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Oxides of nitrogen (NO<sub>x</sub>) emissions shall not exceed 5.5 lb NO<sub>x</sub>/ton plus Niter emissions (lb NO<sub>x</sub>/ton), based on a 24-hour block average, as defined by Rule 4354. In no case shall total combined NO<sub>x</sub> emissions exceed 9.0 pounds per ton of glass pulled on a block 24-hour average. [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
11. Niter emissions (lb NO<sub>x</sub>/ton glass pulled) for the 24-hour block average shall be calculated as follows: (average pounds of Niter used per ton of glass pulled during the 24-hour block)\*(0.548). [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
12. Oxides of nitrogen (NO<sub>x</sub>) emissions shall not exceed 5.0 lb NO<sub>x</sub>/ton plus Niter emissions (lb NO<sub>x</sub>/ton), based on a 30-day rolling average, as defined by Rule 4354. In no case shall combined NO<sub>x</sub> emissions exceed 7.0 lb NO<sub>x</sub>/ton on a rolling 30-day average. [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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13. Niter emissions (lb NO<sub>x</sub>/ton glass pulled) for the 30-day rolling average shall be calculated as follows: (average pounds of Niter used per ton of glass pulled during the 30-day rolling period)\*(0.548). [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
14. SO<sub>x</sub> 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 NSR Rule] Federally Enforceable Through Title V Permit
15. Oxides of sulfur (SO<sub>x</sub>) emissions shall not exceed 1.7 lb SO<sub>x</sub>/ton, based on a 24-hour block average, as defined by Rule 4354. In no case shall SO<sub>x</sub> emissions exceed 1.2 lb SO<sub>x</sub>/ton on a rolling 30-day average. [District Rule 4354, 5.3] Federally Enforceable Through Title V Permit
16. Sulfur compound emissions shall not exceed 2000 ppmv as SO<sub>2</sub>. [District Rule 4801, 3.0] Federally Enforceable Through Title V Permit
17. SO<sub>x</sub> emissions from the surface passivation process shall not exceed 10 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
18. 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 three-hour average. [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
19. 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 three-hour average. [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
20. NO<sub>x</sub>, CO, VOC, SO<sub>x</sub> and PM<sub>10</sub> 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, 4.4, 6.7] Federally Enforceable Through Title V Permit
21. NO<sub>x</sub>, CO, VOC, SO<sub>x</sub> and PM<sub>10</sub> 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, 5.10] Federally Enforceable Through Title V Permit
22. Annual performance testing shall be conducted for VOC (ppmv), CO (ppmv), PM<sub>10</sub>, SO<sub>x</sub> (ppmv and lb/hr limits from the electrostatic precipitator), and NO<sub>x</sub> (lb NO<sub>x</sub>/tons of glass pulled calculated according to Rule 4354, 8.1) 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 & 4354, 6.4] Federally Enforceable Through Title V Permit
23. Performance testing shall be conducted using following test methods: EPA Method 201A in combination with EPA Method 202 for PM<sub>10</sub>; EPA Method 25A (expressed in terms of carbon) for VOCs; EPA Method 10 or CARB Method 100 for CO; EPA Method 8 or CARB Method 100 for SO<sub>x</sub>; EPA Method 7E or CARB Method 100 for NO<sub>x</sub>; and EPA Method 2 for stack gas velocity or volumetric flow rate. [District Rule 4354, 6.5.1, and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
24. The District must be notified 30 days prior to any performance testing, and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
25. Performance 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, 7.2, 7.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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26. Performance testing for hourly emission rates for NO<sub>x</sub>, SO<sub>x</sub>, CO, and VOC shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District Rule 1081, 6.0] Federally Enforceable Through Title V Permit
27. Performance test results shall be representative of operations equal to or greater than 60% of the permitted production capacity or fuel use capacity. [District Rule 4354, 6.4.2] Federally Enforceable Through Title V Permit
28. 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 NSR Rule] Federally Enforceable Through Title V Permit
29. The CEMS and data acquisition system shall monitor for NO<sub>x</sub>, SO<sub>x</sub>, and opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
30. The CEMS and data acquisition system shall monitor for CO and VOC. In lieu of installing and operating a CEMS for CO or VOC or both, the operator may obtain approval of the APCO and EPA for specific key system operating parameters, monitoring frequency and recording frequency used by the operator to monitor CO and or VOC emissions. [District Rule 4354, 5.9.2] Federally Enforceable Through Title V Permit
31. The continuous emissions monitoring system 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), Appendix B; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rule 4354, 6.6.1 and District Rule 1080, 6.5] Federally Enforceable Through Title V Permit
32. Results of continuous emissions monitoring 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, 7.2] Federally Enforceable Through Title V Permit
33. Records of continuous emissions monitoring system 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, 7.3] 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 Rule 1080, 8.0 and District Rule 2520, 9.6.1] Federally Enforceable Through Title V Permit
35. Any emissions in excess of the limits imposed by conditions in this permit, as measured by the continuous emissions monitoring system constitutes a violation of District Rules and Regulations and shall be reported by the operator to the APCO within 96 hours. [District Rule 1080, 9.0] 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 CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rule 1080, 10.0] Federally Enforceable Through Title V Permit
37. Records of performance tests and operating parameters established during initial performance test, maintenance, repair, malfunction, idling, shutdown, and start-up shall be retained on the premises for a period of five years, and shall be made available for District or EPA inspection upon request. [District Rule 4354, 6.3.1] 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.

38. Daily records of total hours of operation, quantity of glass pulled, NO<sub>x</sub> and SO<sub>x</sub> emission rates in lb/ton of glass pulled (both block 24-Hr & rolling 30-day averages), CO and VOC emission rate in lb/ton of glass pulled (rolling 3-hour average) and quantity & type of fuel used shall be retained on the premises for a period of five years and shall be made available for District or EPA inspection upon request. [District Rule 4354, 6.3.1] Federally Enforceable Through Title V Permit
39. Records of SO<sub>x</sub> usage (lb/hr) in the surface passivation process shall be maintained for a period of at least five years and shall be made available for District or EPA inspection upon request. [District Rule 1070 & 2520, 9.4.2] Federally Enforceable Through Title V Permit
40. Records of Niter usage (block 24-hour average of pounds of Niter per ton of glass pulled and rolling 30-day average of pounds of Niter per ton of glass pulled) shall be maintained for a period of at least five years and shall be made available for District or EPA inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
41. Records of electrostatic precipitator total kilovoltage shall be maintained on an 1-hour average and an 24-hour average. [District Rule 4354, 6.3.2] Federally Enforceable Through Title V Permit
42. The facility shall not use commercial arsenic as a raw material in the production process. [40CFR61, Subpart N] Federally Enforceable Through Title V Permit
43. The length of time allowed for a start-up shall be determined by the APCO and EPA on a case-by-case basis, in accordance with District Rule 4354 (amended 09/16/2010). [District Rule 4354, 5.5.4] Federally Enforceable Through Title V Permit
44. 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  $E=17.37 \times P^{0.62}$  if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
45. Permittee shall submit an Authority to Construct application for compliance with enhanced option NO<sub>x</sub> limits by June 1, 2016, and be in full compliance with enhanced option NO<sub>x</sub> limits by January 1, 2018. [District Rule 4354, 7.2.1] Federally Enforceable Through Title V Permit
46. 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
47. 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

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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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

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

# 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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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-948-17-3

**EXPIRATION DATE:** 02/29/2016

**EQUIPMENT DESCRIPTION:**

8.5 HP "W" INTERLEAVING APPLICATION BOOTH FOR THE APPLICATION OF "W" INTERLEAVING TO THE GLASS RIBBON SERVED BY ONE DUALL MODEL FW300-5 PVC FUME SCRUBBER AND REMOTE RECIRCULATION TANK.

## PERMIT UNIT REQUIREMENTS

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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, 9.3.2] 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

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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

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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

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# 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

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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<sub>x</sub> = 29.8 lb/hr, SO<sub>x</sub> = 0.2 lb/hr, VOC (NMHC) = 1.1 lb/hr, CO = 21.6 lb/hr and PM<sub>10</sub> = 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

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# 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

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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

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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

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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-948-27-2

**EXPIRATION DATE:** 02/29/2016

**EQUIPMENT DESCRIPTION:**

7.5 MMBTU/HR NATURAL GAS-FIRED GLASS TEMPERING FURNACE WITH GASEOUS SO2 USED AS LUBRICANT BETWEEN THE ROLLERS AND THE GLASS.

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201 and Fresno County Rule 404] 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 4102]
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Fresno County Rule 406] Federally Enforceable Through Title V Permit
4. Unit shall be fired only on natural gas with a sulfur content of less than or equal to 3.3% by weight. [District Rule 4801 and Fresno County Rule 406] Federally Enforceable Through Title V Permit
5. If the furnace is fired on PUC-regulated natural gas, then file copies of all natural gas bills shall be maintained. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. If the furnace is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the furnace shall be determined using ASTM method D1072-80, D3031-81, D4084-82 or D3246-81. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. If the furnace is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [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
9. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4301 and Fresno County Rule 408. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District 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

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

# 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

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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 III] 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

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

# 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**

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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.



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# ATTACHMENT B

Previous Title V Operating Permit

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# Permit to Operate

**FACILITY:** C-948

**EXPIRATION DATE:** 02/28/2007

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

PPG INDUSTRIES  
3333 S PEACH AVE  
FRESNO, CA 93725

**FACILITY LOCATION:**

3333 S PEACH AVE  
FRESNO, CA 93725

**FACILITY DESCRIPTION:**

GLASS MANUFACTURING

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**Seyed Sadredin**  
Executive Director / APCO

**David Warner**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: C-948-0-1

EXPIRATION DATE: 02/28/2007

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2] 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: PPG INDUSTRIES

Location: 3333 S PEACH AVE, FRESNO, CA 93725

C-948-0-1: May 11 2011 1:07PM - OGDENA

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.1] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

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

23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. Specialty Coating Limitations: No person shall apply, sell, solicit, or offer for sale any architectural coating listed in the Tables of Standards (District Rule 4601, Table 1 and Table 2), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs in excess of the specified limits after the corresponding date listed in Table 1 (grams of VOC per liter of coating as applied less water and exempt compounds, excluding any colorant added to tint bases) and in Table 2 (grams of VOC per liter of material), except as provided in Section 5.3 of Rule 4601. [District Rule 4601, 5.2] Federally Enforceable Through Title V Permit
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5] Federally Enforceable Through Title V Permit
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2] Federally Enforceable Through Title V Permit
28. 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, 9.14.1 and 10.0] Federally Enforceable Through Title V Permit
29. 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
30. 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
31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020] Federally Enforceable Through Title V Permit
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030] Federally Enforceable Through Title V Permit
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after October 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060] Federally Enforceable Through Title V Permit
34. 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.

35. 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, 9.17] Federally Enforceable Through Title V Permit
36. 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
37. 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
38. 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
39. 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 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (9/17/97); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
41. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan, and comply with all the requirements of Program 1, 2 or 3 when mandated by the regulation. [40 CFR 68] Federally Enforceable Through Title V Permit
42. On October 31, 2002, the initial Title V permit was issued, the reporting period of the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of reporting period. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-2-1

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. 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
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year and permittee shall maintain records of hours of emergency and non-emergency operation and shall make such records readily available to District staff upon request. [District Rule 2520, 9.4.2 and District Rule 4701] Federally Enforceable Through Title V Permit
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
8. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. 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
10. 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-948-3-1

EXPIRATION DATE: 02/28/2007

**EQUIPMENT DESCRIPTION:**

238 BHP DETROIT DIESEL MODEL #6061AZ (SN# 6AO228427) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. 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
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year and permittee shall maintain records of hours of emergency and non-emergency operation and shall make such records readily available to District staff upon request. [District Rule 2520, 9.4.2 and District Rule 4701] Federally Enforceable Through Title V Permit
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
8. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. 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
10. 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-948-4-2

**EXPIRATION DATE:** 02/28/2007

**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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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, 9.4.2] 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-948-5-2

**EXPIRATION DATE:** 02/28/2007

**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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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, 9.4.2] 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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-6-2

**EXPIRATION DATE:** 02/28/2007

**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 FABRIC COLLECTOR (SN #63-CH3-6664) SHARED WITH PERMIT UNITS '-8 AND '-10; OR PANGBORN CORPORATION DC-6 FABRIC COLLECTOR SHARED BY PERMIT UNIT '-10 (SN 63-CH3-6671)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Visible emissions from the baghouse 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
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. 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
5. Emissions shall be controlled by dust collector DC-2 (Pangborne Model #67-CH3) whenever material receiving operations are conducted. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The amount of dry material received the underground pits into the storage silos shall not exceed 10,080 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Maximum daily amount of cullet received in the silos shall not exceed 1728 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Emissions of PM10 from the receiving of materials through the underground pits into the storage silos shall not exceed 0.0003 lb/ton of material transferred. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Combined emissions from permit units C-948-6 and C-948-10 shall not exceed 12.4 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
10. 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, 9.4.2] Federally Enforceable Through Title V Permit
11. 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, 9.4.2] Federally Enforceable Through Title V Permit
12. 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
13. 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, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Permittee shall maintain daily records of 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 Rule 2520, 9.4.2] 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-7-2

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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 throughput shall not exceed 5183 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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, 9.4.2] Federally Enforceable Through Title V Permit
6. 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, 9.4.2] Federally Enforceable Through Title V Permit
7. 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
8. 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
9. 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
10. 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-948-8-2

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

517,000 GAL SODA ASH STORAGE SILO #6, 38' D X 61'9" H, WITH AN AGET DUST COLLECTOR AND A BIN VENT FILTRATION SYSTEM VENTED TO THE PANGBORN CORPORATION DC-2 FABRIC COLLECTOR (SN #67-CH3-6664) SHARED WITH PERMIT UNITS -6 AND -10

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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 2246 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, 9.4.2] 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 throughput 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

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-9-2

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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 established per manufacturer's recommendation for the Torit baghouse is 0 to 5 inches of H<sub>2</sub>O. [District NSR Rule] Federally Enforceable Through Title V Permit
3. 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
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 NSR Rule] Federally Enforceable Through Title V Permit
5. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
6. 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, 9.4.2] Federally Enforceable Through Title V Permit
7. 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, 9.4.2] 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-948-10-2

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

SILO UNLOADING AND MIXING OPERATION INCLUDING BATCH GATHERING BELT, BATCH ELEVATOR AND TOTALIZING SCALE SERVED BY PANGBORN CORP DC-6 FABRIC COLLECTOR (SN 63-CH3-6671) OR DC-2 FABRIC COLLECTOR (SN 67 CH3-6664) AND GLASS MASTER TURBIN MODEL 12000 MIXER SERVED BY A TORIT DOWN FLO-II MODEL #DFT-2-4 BAGHOUSE. PANGBORN CORP DC-2 FABRIC COLLECTOR IS SHARED BY PERMIT UNITS -6 AND -8.

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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 NSR Rule] 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. 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
5. Emissions shall be controlled by a baghouse dust collector: either DC-6 (Pangborne Model #67-CH3) or DC-2 (Pangborne Model #63-CH3). [District NSR Rule] Federally Enforceable Through Title V Permit
6. 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 NSR Rule] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.006 pound per ton of material throughput. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Maximum throughput of the batch mixer shall not exceed 1500 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Combined emissions from permit units C-948-6 and C-948-10 shall not exceed 12.4 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
10. 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, 9.4.2] Federally Enforceable Through Title V Permit
11. 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, 9.4.2] Federally Enforceable Through Title V Permit
12. 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
13. 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, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Permittee shall maintain daily records of the material throughput to the batch mixer, and such records shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-11-14

**EXPIRATION DATE:** 02/28/2007

**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

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The furnace and burners shall be operated so as to minimize the NOx emissions to the maximum extent possible without adversely affecting the product quality and furnace integrity. [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. 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 NSR Rule] Federally Enforceable Through Title V Permit
5. Daily glass pull rate for this facility shall not exceed 650 U.S. short tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
7. Particulate Matter emissions (as PM10) shall not exceed 18.80 pounds per hour from the electrostatic precipitator. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The glass furnace shall be vented to a dry scrubber/electrostatic precipitator system anytime the furnace is operating. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Oxides of nitrogen (NOx) emissions shall not exceed 5.5 lb NOx/ton plus Niter emissions (lb NOx/ton), based on a 24-hour block average, as defined by Rule 4354. In no case shall total combined NOx emissions exceed 9.0 pounds per ton of glass pulled on a block 24-hour average. [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
10. Niter emissions (lb NOx/ton glass pulled) for the 24-hour block average shall be calculated as follows: (average pounds of Niter used per ton of glass pulled during the 24-hour block)\*(0.548). [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
11. Oxides of nitrogen (NOx) emissions shall not exceed 5.0 lb NOx/ton plus Niter emissions (lb NOx/ton), based on a 30-day rolling average, as defined by Rule 4354. In no case shall combined NOx emissions exceed 7.0 lb NOx/ton on a rolling 30-day average. [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
12. Niter emissions (lb NOx/ton glass pulled) for the 30-day rolling average shall be calculated as follows: (average pounds of Niter used per ton of glass pulled during the 30-day rolling period)\*(0.548). [District NSR Rule and District Rule 4354, 5.0] 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.

13. SO<sub>x</sub> 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 NSR Rule] Federally Enforceable Through Title V Permit
14. Sulfur compound emissions shall not exceed 2000 ppmv as SO<sub>2</sub>. [District Rule 4801, 3.0] Federally Enforceable Through Title V Permit
15. SO<sub>x</sub> emissions from the surface passivation process shall not exceed 10 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
16. 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 three-hour average. [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
17. 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 three-hour average. [District NSR Rule and District Rule 4354, 5.0] Federally Enforceable Through Title V Permit
18. NO<sub>x</sub>, CO, and VOC 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, 4.2, 6.7] Federally Enforceable Through Title V Permit
19. Annual performance testing shall be conducted for VOC (ppmv), CO (ppmv), PM<sub>10</sub>, SO<sub>x</sub> (ppmv and lb/hr limits from the electrostatic precipitator), and NO<sub>x</sub> (lb NO<sub>x</sub>/tons of glass pulled calculated according to Rule 4354, 8.1) 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 & 4354, 6.4] Federally Enforceable Through Title V Permit
20. Performance testing shall be conducted using following test methods: EPA Method 201A in combination with EPA Method 202 for PM<sub>10</sub>; EPA Method 25A (expressed in terms of carbon) for VOCs; EPA Method 10 or CARB Method 100 for CO; EPA Method 8 or CARB Method 100 for SO<sub>x</sub>; EPA Method 7E or CARB Method 100 for NO<sub>x</sub>; and EPA Method 2 for stack gas velocity or volumetric flow rate. [District Rule 4354, 6.5.1, and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
21. The District must be notified 30 days prior to any performance testing, and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
22. Performance testing shall be witnessed or authorized by District personnel. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3] Federally Enforceable Through Title V Permit
23. Performance testing for hourly emission rates for NO<sub>x</sub>, SO<sub>x</sub>, CO, and VOC shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District Rule 1081, 6.0] Federally Enforceable Through Title V Permit
24. Performance test results shall be representative of operations equal to or greater than 60% of the permitted production capacity or fuel use capacity. [District Rule 4354, 6.5.2] Federally Enforceable Through Title V Permit
25. 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 NSR Rule] Federally Enforceable Through Title V Permit
26. The CEMS and data acquisition system shall monitor for NO<sub>x</sub>, SO<sub>x</sub>, and opacity. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. The continuous emissions monitoring system 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), Appendix B; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rule 4354, 6.6.1 and District Rule 1080, 6.5] Federally Enforceable Through Title V Permit
28. Results of continuous emissions monitoring 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, 7.2] Federally Enforceable Through Title V Permit
29. Records of continuous emissions monitoring system 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, 7.3] Federally Enforceable Through Title V Permit
30. 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 CEM 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 Rule 1080, 8.0 and District Rule 2520, 9.6.1] Federally Enforceable Through Title V Permit
31. Any emissions in excess of the limits imposed by conditions in this permit, as measured by the continuous emissions monitoring system constitutes a violation of District Rules and Regulations and shall be reported by the operator to the APCO within 96 hours. [District Rule 1080, 9.0] Federally Enforceable Through Title V Permit
32. Operator shall notify the District no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rule 1080, 10.0] Federally Enforceable Through Title V Permit
33. Records of performance tests and operating parameters established during initial performance test, maintenance, repair, malfunction, idling, shutdown, and start-up shall be retained on the premises for a period of five years, and shall be made available for District or EPA inspection upon request. [District Rule 4354, 6.3.1] Federally Enforceable Through Title V Permit
34. Daily records of total hours of operation, quantity of glass pulled, NOx emission rate in lb/ton of glass pulled (both block 24-Hr & rolling 30-day averages), and quantity & type of fuel used shall be retained on the premises for a period of five years and shall be made available for District or EPA inspection upon request. [District Rule 4354, 6.3.2] Federally Enforceable Through Title V Permit
35. Records of SOx usage (lb/hr) in the surface passivation process shall be maintained for a period of at least five years and shall be made available for District or EPA inspection upon request. [District Rule 1070 & 2520, 9.4.2] Federally Enforceable Through Title V Permit
36. Records of Niter usage (block 24-hour average of pounds of Niter per ton of glass pulled and rolling 30-day average of pounds of Niter per ton of glass pulled) shall be maintained for a period of at least five years and shall be made available for District or EPA inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
37. The facility shall not use commercial arsenic as a raw material in the production process. [40CFR61, Subpart N] Federally Enforceable Through Title V Permit
38. The length of time allowed for a start-up shall be determined by the APCO and EPA on a case-by-case basis, in accordance with District Rule 4354 (amended 02/21/02). [District Rule 4354, 5.2.1] 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.

39. 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  $E=17.37 \times P^{0.62}$  if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
40. 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
41. 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

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-14-2

**EXPIRATION DATE:** 02/28/2007

**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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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, 9.4.2] 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, 9.4.2] 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, 9.4.2] 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

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-15-1

**EXPIRATION DATE:** 02/28/2007

**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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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, 9.4.2] 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, 9.4.2] 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, 9.4.2] 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-948-17-1

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

8.5 HP "W" INTERLEAVING APPLICATION BOOTH FOR THE APPLICATION OF "W" INTERLEAVING TO THE GLASS RIBBON SERVED BY ONE DUALL MODEL FW300-5 PVC FUME SCRUBBER AND REMOTE RECIRCULATION TANK.

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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. 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
4. Fume scrubber shall be operated at all times of operation. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Application of "W" interleaving solution shall not exceed 216 gallons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. VOC emissions shall not exceed 0.020 pound per gallon of "W" interleaving solution used. [District NSR Rule] Federally Enforceable Through Title V Permit
7. 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
8. 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
9. 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
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, 9.4.2] Federally Enforceable Through Title V Permit
11. 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-948-18-4

**EXPIRATION DATE:** 02/28/2007

**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

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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 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] 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  
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 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-948-21-1

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

21 HP TINT GLASS RAW MATERIAL MIXING INCLUDING MIXER EQUIPMENT AND ASSOCIATED CONVEYORS SERVED BY FOUR (4) DCE TYPE UMA100STUG3SF DUST COLLECTORS

## PERMIT UNIT REQUIREMENTS

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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, 9.4.2] 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, 9.4.2] 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, 9.4.2] 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-948-22-1

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. 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
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year and permittee shall maintain records of hours of emergency and non-emergency operation and shall make such records readily available to District staff upon request. [District Rule 2520, 9.4.2 and District Rule 4701] Federally Enforceable Through Title V Permit
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
8. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. 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
10. 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
11. Emission limits while firing No. 2 fuel oil shall not exceed the following:  $\text{NO}_x = 29.8 \text{ lb/hr}$ ,  $\text{SO}_x = 0.2 \text{ lb/hr}$ ,  $\text{VOC (NMHC)} = 1.1 \text{ lb/hr}$ ,  $\text{CO} = 21.6 \text{ lb/hr}$  and  $\text{PM}_{10} = 0.2 \text{ lb/hr}$ . [District NSR Rule] Federally Enforceable Through Title V Permit
12. Fuel consumption shall not exceed 77.3 gallons of diesel fuel per hour. [District NSR Rule] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-23-1

**EXPIRATION DATE:** 02/28/2007

**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

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1. 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
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year and permittee shall maintain records of hours of emergency and non-emergency operation and shall make such records readily available to District staff upon request. [District Rule 2520, 9.4.2 and District Rule 4701] Federally Enforceable Through Title V Permit
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
8. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



9. 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
10. 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-948-24-1

**EXPIRATION DATE:** 02/28/2007

**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

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1. 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
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year and permittee shall maintain records of hours of emergency and non-emergency operation and shall make such records readily available to District staff upon request. [District Rule 2520, 9.4.2 and District Rule 4701] Federally Enforceable Through Title V Permit
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
8. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. 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
10. 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-948-25-1

**EXPIRATION DATE:** 02/28/2007

**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

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1. 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
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year and permittee shall maintain records of hours of emergency and non-emergency operation and shall make such records readily available to District staff upon request. [District Rule 2520, 9.4.2 and District Rule 4701] Federally Enforceable Through Title V Permit
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
8. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

9. 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
10. 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-948-27-1

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

7.5 MMBTU/HR NATURAL GAS-FIRED GLASS TEMPERING FURNACE WITH GASEOUS SO2 USED AS LUBRICANT BETWEEN THE ROLLERS AND THE GLASS.

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201 and Fresno County Rule 404] 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 4102]
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Fresno County Rule 406] Federally Enforceable Through Title V Permit
4. Unit shall be fired only on natural gas with a sulfur content of less than or equal to 3.3% by weight. [District Rule 4801 and Fresno County Rule 406] Federally Enforceable Through Title V Permit
5. If the furnace is fired on PUC-regulated natural gas, then file copies of all natural gas bills shall be maintained. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. If the furnace is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D1072-80, D3031-81, D4084-82 or D3246-81. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. If the furnace is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [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
9. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4301 and Fresno County Rule 408. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
10. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District 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

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-28-1

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. 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
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year and permittee shall maintain records of hours of emergency and non-emergency operation and shall make such records readily available to District staff upon request. [District Rule 2520, 9.4.2 and District Rule 4701] Federally Enforceable Through Title V Permit
7. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
8. On all units which are not emergency or backup IC engines operating less than 200 hours per year, operator shall perform a source test for particulate emissions within 6 months of the initial Title V permit issuance. A source test for particulate emissions conducted within the 24 months prior to permit issuance shall be considered compliance with this testing requirement. Source testing for particulate matter shall be performed according to EPA Method 5, stack gas velocity by EPA Method 2, and the stack gas moisture content by EPA Method 4. If the initial PM test result is less than or equal to 0.06 grain/dscf, then testing shall occur not less than once every 5 years. Otherwise testing shall occur not less than once every 24 months. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

9. 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
10. 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
11. 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
12. Engine shall be equipped with a turbocharger w/aftercooler or intercooler. [District NSR Rule] Federally Enforceable Through Title V Permit
13. 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
14. PM-10 emission rate shall not exceed 0.193 g/hp-hr. [District Rule 4102]

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-948-29-0

**EXPIRATION DATE:** 02/28/2007

**EQUIPMENT DESCRIPTION:**

GLASS CUTTING OPERATION WITH AUTOMATIC LUBRICANT APPLICATION

## **PERMIT UNIT REQUIREMENTS**

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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.

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# ATTACHMENT C

Detailed Facility List

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**Detailed Facility Report**  
For Facility=948  
Sorted by Facility Name and Permit Number

<b>PPG INDUSTRIES</b> 3333 S PEACH AVE FRESNO, CA 93725	FAC # STATUS: TELEPHONE:	<b>C 948</b> <b>A</b> <b>2094854660</b>	TYPE: TOXIC ID:	<b>TitleV</b> <b>40165</b>	EXPIRE ON: AREA: INSP. DATE:	<b>02/28/2007</b> <b>6 / 312</b> <b>05/11</b>
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-948-1-0	1300.0 HP WAUKESHA GENERATOR	3020-01 G	1	815.00	815.00	D	1300.0 HP WAUKESHA EMERGENCY IC ENGINE GENERATOR SET; DELETED PER 1/28/97 LETTER BY HUH
C-948-2-1	1577.0 HP DETROIT GENERATOR	3020-10 F	1	749.00	749.00	A	1577 HP DETROIT DIESEL MODEL 12E-9885 DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR.
C-948-3-1	238 bhp IC engine	3020-10 C	1	240.00	240.00	A	238 BHP DETROIT DIESEL MODEL #6061AZ (SN# 6A0228427) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP
C-948-4-2	517.0 KGAL STORAGE SILO #1	3020-05 F	1	301.00	301.00	A	517.0 KGAL SILICA SAND CONCRETE STORAGE SILO #1, 38'D X 61'9"H, WITH ONE BIN VENT FILTRATION SYSTEM.
C-948-5-2	517.0 KGAL STORAGE SILO	3020-05 F	1	301.00	301.00	A	517.0 KGAL SILICA SAND CONCRETE STORAGE SILO #2, 38'D X 61'9"H, WITH ONE BIN VENT FILTRATION SYSTEM.
C-948-6-2	207.5 hp electric motors	3020-01 E	1	412.00	412.00	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 FABRIC COLLECTOR (SN #63-CH3-6664) SHARED WITH PERMIT UNITS '-8 AND '-10; OR PANGBORN CORPORATION DC-6 FABRIC COLLECTOR SHARED BY PERMIT UNIT '-10 (SN 63-CH3-6671)
C-948-7-2	517.0 KGAL CULLET SILO #4	3020-05 F	1	301.00	301.00	A	517,000 GALLON CULLET STORAGE SILO #4 AND CULLET CRUSHING OPERATION WITH CULLET ELEVATOR SERVED BY A PANGBORN CORPORATION BAGHOUSE FABRIC COLLECTOR #DC-5, SERIAL #42-CH3-6656.
C-948-8-2	517,000 gal storage	3020-05 F	1	301.00	301.00	A	517,000 GAL SODA ASH STORAGE SILO #6, 38' D X 61'9" H, WITH AN AGET DUST COLLECTOR AND A BIN VENT FILTRATION SYSTEM VENTED TO THE PANGBORN CORPORATION DC-2 FABRIC COLLECTOR (SN #67-CH3-6664) SHARED WITH PERMIT UNITS -6 AND -10
C-948-9-2	27.0 hp electric motors	3020-01 B	1	117.00	117.00	A	ELECTROSTATIC PRECIPITATOR WASTE DELIVERY SYSTEM WITH A 15 HP BLOWER, PNEUMATIC TRANSFER TO 2,000 LB HOPPER VENTING TO TORIT TBV-4 BAGHOUSE, SCREW CONVEYOR AND SCALE HOPPER DISCHARGING TO RAW MATERIAL BATCH HOUSE MIXER (C-948-10)
C-948-10-2	194 hp electric motors	3020-01 D	1	314.00	314.00	A	SILO UNLOADING AND MIXING OPERATION INCLUDING BATCH GATHERING BELT, BATCH ELEVATOR AND TOTALIZING SCALE SERVED BY PANGBORN CORP DC-6 FABRIC COLLECTOR (SN 63-CH3-6671) OR DC-2 FABRIC COLLECTOR (SN 67 CH3-6664) AND GLASS MASTER TURBIN MODEL 12000 MIXER SERVED BY A TORIT DOWN FLO-II MODEL #DFT-2-4 BAGHOUSE. PAGBORN CORP DC-2 FABRIC COLLECTOR IS SHARED BY PERMIT UNITS -6 AND -8.

**Detailed Facility Report**  
For Facility=948  
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-948-11-14	206,000 kBtu/hr burners	3020-02 H	1	1,030.00	1,030.00	A	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
C-948-12-0	450.0 HP ELECTROSTATIC PRE	3020-01 F	1	607.00	607.00	D	450.0 HP ELECTROSTATIC PRE
C-948-13-0	15.0 KGAL THERMAL DENOX	3020-05 B	1	93.00	93.00	D	15.0 KGAL THERMAL DENOX
C-948-14-2	157 HP PACKING AND CULLET	3020-01 D	1	314.00	314.00	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-948-15-1	25.0 HP EMERGENCY CULLET SYS	3020-01 B	1	117.00	117.00	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-948-16-1	25.0 HP WOOD WORKING	3020-01 A	1	87.00	87.00	D	25.0 HP WOOD WORKING SHOP INCLUDING BOX MAKING AND VARIOUS WOOD CUTTING EQUIPMENT SERVED BY PANGBORN CORPORATION NO. C-70, TYPE CM-66-177 FABRIC COLLECTOR.
C-948-17-1	8.5 HP "W" INTERLEAVING BOOT	3020-01 A	1	87.00	87.00	A	8.5 HP "W" INTERLEAVING APPLICATION BOOTH FOR THE APPLICATION OF "W" INTERLEAVING TO THE GLASS RIBBON SERVED BY ONE DUALL MODEL FW300-5 PVC FUME SCRUBBER AND REMOTE RECIRCULATION TANK.
C-948-18-4	240 hp emergency IC Engine	3020-10 C	1	240.00	240.00	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-948-19-0			1	0.00	0.00	D	REPLACEMENT OF COOLING TOWER WITH A UNITED MCGILL COOLING TOWER. PART OF PTO C-948-11-X.
C-948-20-0	25 HP CULLET CRUSHING	3020-01 A	1	87.00	87.00	D	25 HP CULLET CRUSHING OPERATION AND ASSOCIATED EQUIPMENT SERVED BY A PANGBORN CORPORATION FABRIC COLLECTOR, SN 53-CH3-6656.
C-948-21-1	21 hp electric motors	3020-01 A	1	87.00	87.00	A	21 HP TINT GLASS RAW MATERIAL MIXING INCLUDING MIXER EQUIPMENT AND ASSOCIATED CONVEYORS SERVED BY FOUR (4) DCE TYPE UMA100STUG3SF DUST COLLECTORS
C-948-22-1	1,500 bhp IC engine	3020-10 F	1	749.00	749.00	A	1,500 BHP DETROIT DIESEL MODEL #16E-4930 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-948-23-1	105 BHP DIESEL IC ENGINE	3020-10 B	1	117.00	117.00	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.

**Detailed Facility Report**  
For Facility=948  
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-948-24-1	286 HP DIESEL IC ENGINE	3020-10 C	1	240.00	240.00	A	286 BHP DETROIT DIESEL MODEL 8083-7000 EMERGENCY DIESEL IC ENGINE USED MAINTAIN THE MILL USE WATER FLOW DURING PERIODS OF UTILITY POWER INTERRUPTION.
C-948-25-1	286 BHP DIESEL IC ENGINE	3020-10 C	1	240.00	240.00	A	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.
C-948-26-1	GASOLINE NOZZLE	3020-11 A	1	34.00	34.00	D	ONE 500 GALLON ABOVEGROUND FIREGUARD STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM AND ONE REMOTE DISPENSER WITH ONE GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162).
C-948-27-1	7.5 MMBTU/HR GLASS FURNACE	3020-02 G	1	815.00	815.00	A	7.5 MMBTU/HR NATURAL GAS-FIRED GLASS TEMPERING FURNACE WITH GASEOUS SO2 USED AS LUBRICANT BETWEEN THE ROLLERS AND THE GLASS.
C-948-28-1	1,804 bhp IC engine	3020-10 F	1	749.00	749.00	A	1,804 BHP CATERPILLAR MODEL #3512DI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-948-29-0	25 electrical HP	3020-01 A	1	87.00	87.00	A	GLASS CUTTING OPERATION WITH AUTOMATIC LUBRICANT APPLICATION

Number of Facilities Reported: 1

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# ATTACHMENT D

Facility Comments and District's Response

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On April 11, 2011, the District received comments from PPG Industries, Inc (attached on the following page) regarding seven of the proposed renewed permit units. Upon review of the comments and suggested revisions, all equipment descriptions and conditions were revised as suggested by PPG Industries, Inc.

Received  
APR 11 2011  
SJVUAPCD

April 7, 2011

Mr. David Warner  
SJVAPCD  
1990 East Gettysburg Ave.  
Fresno, CA 93726

Subject: PPG Industries, Inc. Comments  
Notice of Preliminary Decision- Title V Permit Renewal

Dear Mr. Warner:

PPG Industries, Inc. has reviewed the Notice of Preliminary Decision for the Title V Permit Renewal, and submits through this letter suggested revisions. In the table that follows, PPG identifies requested draft permit revisions along with comments explaining the reason for each change.

If you have any questions on the suggested revisions or would like to discuss further, please contact Krystle Shoate at 559-497-3357.

Draft Permit #	Draft Permit Text	Comment	Suggested Revision
C-948-6-6	Train shed unloading operation with 7 underground receiving pits, 7 shaker conveyors, 7 bucket elevators, and storage silos #3 and #5 (total of 1034.0 KGAL), all served by Pangborn Corporation DC-2 fabric collector, SN 67-CH3-6664, or DC-6 fabric collector, SN 63-CH3-6671.	1. Incorrect serial number in description. 2. Upon request of the air inspector, a permit modification was submitted in May 2010, and approved, to better align the permit equipment description with actual operating conditions.	Train shed unloading operation with 7 underground receiving pits, 7 shaker conveyors, 7 bucket elevators, and storage silos #3 and #5 (total of 1034.0 KGAL), all served by Pangborn Corporation DC-2 fabric collector (SN 63-CH3-6664) <u>shared with permit units '-8 and '-10</u> , or Pangborn Corporation DC-6 fabric collector (SN 63-CH3-6671) <u>shared by permit unit '-10</u> .
C-948-8-4	517 KGAL soda ash silo #6, 38'D X 61'9"H, with an	This draft permit removes from the equipment	517 KGAL soda ash silo #6, 38'D X 61'9"H, with an aget

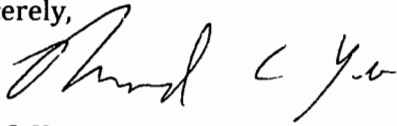


	aget dust collector and a bin vent filtration system.	description the previously included reference to the dust collector downstream of the bin vent that serves as additional dust collection.	dust collector and a bin vent filtration system <u>vented to the Pangborn Corporation DC-2 fabric collector (SN 67-CH3-6664) shared with permit units '-6 and '-10.</u>
C-948-9-5.2	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.	A permit modification was submitted in April 2010, and approved, to include the actual recommendation of the manufacturer.	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 <u>established per manufacturer's recommendation for the Torit baghouse is 0 to 5 inches of H2O.</u>
C-948-10-6	Silo unloading and mixing operation including batch gathering belt, batch elevator and totalizing scale served by Pangborn Corp DC-6 fabric collector, SN 63-CH3-6671 or DC-2 fabric collector, SN 67-CH3-6664, and glass master turbin model 12000 mixer served by DCE fabric collector.	<ol style="list-style-type: none"> <li>1. Incorrect equipment identified in equipment description.</li> <li>2. Upon request of the air inspector, a permit modification was submitted in May 2010, and approved, to better align the permit equipment description with actual operating conditions.</li> </ol>	Silo unloading and mixing operation including batch gathering belt, batch elevator and totalizing scale served by Pangborn Corp DC-6 fabric collector (SN 63-CH3-6671) or DC-2 fabric collector (SN 67-CH3-6664) and glass master turbin model 12000 mixer served by a <u>Torit Down Flo-II Model #DFT 2-4 baghouse.</u> <u>Pangborn Corp DC-2 fabric collector is shared by permit units '-6 and '-8.</u>
C-948-11-13.23	Performance testing shall be conducted using the following test methods: EPA Method 201A in combination with EPA Method 202 for PM10; EPA Method 25 A (expressed in terms of carbon) for VOCs; EPA Method 10 or CARB Method 100 for CO; EPA Method 8 or CARB Method 100 for SOx; EPA Method 7E or CARB Method 100 for NOx; EPA Method 3, 3A, or CARB	A permit modification was submitted in May 2009, and approved, to remove the reference to the required method for stack gas oxygen as the facility is not required to monitor oxygen.	Performance testing shall be conducted using the following test methods: EPA Method 201A in combination with EPA Method 202 for PM10; EPA Method 25 A (expressed in terms of carbon) for VOCs; EPA Method 10 or CARB Method 100 for CO; EPA Method 8 or CARB Method 100 for SOx; EPA Method 7E or CARB Method 100 for NOx; <del>EPA Method 3, 3A, or CARB Method 100 for stack gas oxygen;</del> and EPA Method

	Method 100 for stack gas oxygen; and EPA Method 2 for stack gas velocity or volumetric flow rate.		2 for stack gas velocity or volumetric flow rate.
C-948-11-13.29	The CEMS and data acquisition system shall monitor for NO <sub>x</sub> , SO <sub>x</sub> , O <sub>2</sub> , and opacity.	A permit modification was submitted in May 2009, and approved, to remove O <sub>2</sub> from this condition as the facility is not required to monitor for oxygen.	The CEMS and data acquisition system shall monitor for NO <sub>x</sub> , SO <sub>x</sub> , O <sub>2</sub> , and opacity.
C-948-11-13.38	Daily records of total hours of operation, quantity of glass pulled, NO <sub>x</sub> and SO <sub>x</sub> emission rates in lb/ton of glass pulled (both block 24-Hr & rolling 30-day averages), CO and VOC emission rate in lb/ton of glass pulled (rolling 3-hr average), PM <sub>10</sub> emission rate in lb/ton of glass pulled (block 24-Hr average) and quantity & type of fuel used shall be retained on the premises for a period of five years and shall be made available for District of EPA inspection upon request.	In accordance with Rule 4354.5.9.4, PPG submitted a notification letter in 2010 identifying a key system operating parameter that would be monitored in lieu of installing a CEMS. See condition 41 for data that will be tracked to demonstrate compliance instead of an actual "PM <sub>10</sub> emission rate in lb/ton." Also, please note that page 15 of the Title V Permit Renewal Evaluation states that "Permit C-948-11-13 will implement the requirements of CAM for the float glass furnace by monitoring PM <sub>10</sub> emissions using a CEMS to monitor the Electrostatic Precipitator total kilovoltage on a continuous basis to provide supplemental indication of PM <sub>10</sub> emission control performance." PPG will monitor the Electrostatic Precipitator total kilovoltage using an existing operations tracking database, not a CEMS.	Daily records of total hours of operation, quantity of glass pulled, NO <sub>x</sub> and SO <sub>x</sub> emission rates in lb/ton of glass pulled (both block 24-Hr & rolling 30-day averages), CO and VOC emission rate in lb/ton of glass pulled (rolling 3-hr average), <del>PM<sub>10</sub> emission rate in lb/ton of glass pulled (block 24-Hr average)</del> and quantity & type of fuel used shall be retained on the premises for a period of five years and shall be made available for District of EPA inspection upon request.
C-948-14-5.4	Daily glass pull rate for this facility shall not exceed 650 US short tons per hour.	A permit modification was submitted in April 2010, and approved, to correct the pull rate limit to be 650 tons per day.	Daily glass pull rate for this facility shall not exceed 650 US short tons <u>per day</u> .
C-948-17-3.1	No air contaminant shall be discharged into the atmosphere for a period	The facility -wide permit, C-948-0-2, includes this condition as a blanket	Delete.

	or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringlemann 1 or 20% opacity.	condition for the facility. Also, the fume scrubber unit is located indoors and does not discharge outdoors, so opacity readings do not apply.	
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Sincerely,



Ray C. Yee  
Plant Manager  
PPG Works #15

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

**Certification of Truth and Accuracy**

<b>Company Name: PPG Industries, Inc. Works 15 Fresno</b>	<b>Facility ID: C - 948</b>
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I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in the document are true, accurate, and complete:



\_\_\_\_\_  
Signature of Responsible Official

*April 11, 2011*

\_\_\_\_\_  
Date

**RAY YEE**

\_\_\_\_\_  
Name of Responsible Official (please print)

**PLANT MANAGER**

\_\_\_\_\_  
Title of Responsible Official (please print)