



JAN 10 2012

R. Todd Rosebrock
Saint-Gobain Containers, Inc
P O Box 4200
Muncie, IN 47307-4200

**Re: Notice of Final Action - Title V Permit Renewal
District Facility # C-801
Project # C-1072785**

Dear Mr. Rosebrock:

The District has issued the Final Renewed Title V Permit for Saint-Gobain Containers, Inc. The preliminary decision for this project was made on July 8, 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: Jonah Aiyabei, Permit Services Engineer

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
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Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
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JAN 10 2012

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-801
Project # C-1072785**

Dear Mr. Rios:

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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.

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JAN 10 2012

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-801
Project # C-1072785**

Dear Mr. Tollstrup:

The District has issued the Final Renewed Title V Permit for Saint-Gobain Containers, Inc. The preliminary decision for this project was made on July 8, 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.

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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 Saint-Gobain Containers, Inc. for its glass manufacturing facility at 24441 Avenue 12 in Madera, California.

The District's analysis of the legal and factual basis for this proposed action, project #C-1072785, is available for public inspection at 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**

**Proposed Title V Permit Renewal Evaluation
SAINT-GOBAIN CONTAINERS, INC.
C-801**

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TITLE V PERMIT RENEWAL EVALUATION GLASS CONTAINER MANUFACTURING PLANT

Engineer: Jonah Aiyabei
Date: January 6, 2012

Facility Number: C-801
Facility Name: Saint-Gobain Containers, Inc.
Mailing Address: P O BOX 4200
Muncie, IN 47307-4200

Contact Name: Todd Rosebrock
Phone: 559-675-4726

Responsible Official: Todd Rosebrock
Title: Plant Manager

Project # : C-1072785
Deemed Complete: July 24, 2007

I. PROPOSAL

Saint-Gobain Containers, Inc. was issued a Title V permit on July 15, 1998. As required by District Rule 2520, the applicant requested a permit renewal. The existing Title V permit was reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit. The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to determine if the facility will comply with these updated requirements. It also specifically identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

On July 8, 2011, the District issued public notice of its preliminary decision to issue the renewed Title V permit for this facility. In accordance with District Rule 2520, copies of the proposed permit and evaluation were forwarded to the facility, US EPA, and the California Air Resources Board. Copies were also made available for public review.

During the review period that followed the notice of preliminary decision, the District received comments from the facility. Responses to these comments, and

Saint-Gobain Containers, Inc.
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the changes made to the permit as a result, are explained in Attachment E of this document.

II. FACILITY LOCATION

Saint-Gobain Containers, Inc. is located at 24441 Avenue 12, Madera, 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 has requested to use the facility-wide umbrella general permit template (SJV-UM-03). Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

V. SCOPE OF EPA AND PUBLIC REVIEW

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

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

- Conditions 1 through 40 of permit unit C-801-0-2, including their underlying applicable requirements, originate from the model general permit template and are not subject to further EPA and Public review.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

Rules Addressed by General Permit Template

- District Rule 1100, Equipment Breakdown, (amended December 17, 1992)
- District Rule 1160, Emission Statements, (adopted November 18, 1992)
- District Rule 2010, Permits Required, (amended December 17, 1992)
- District Rule 2020, Exemptions, (amended July 21, 1994 ⇒ amended December 20, 2007)
- 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, Sections 5.2, 9.1.1, 9.4, 9.5, 9.7, 9.8, 9.9, 9.13.1, 9.13.2, 9.16, and 10.0, (amended June 21, 2001)
- District Rule 4101, Visible Emissions, (amended November 15, 2001 ⇒ amended February 17, 2005)
- District Rule 4601, Architectural Coatings, (amended October 31, 2001 ⇒ amended December 17, 2009)
- 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)

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- 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 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)

Rules Not Addressed by General Permit Template

A. Rules Updated

- District NSR Rule (Rule 2201), New and Modified Stationary Source Review Rule (amended December 18, 2008)
- District Rule 4354, Glass Melting Furnaces, (amended September 16, 2010)
- District Rule 4702, Internal Combustion Engines (amended January 18, 2007)

B. Rules Not Updated

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1080, Stack Monitoring, (amended December 17, 1992)
- District Rule 1081, Source Sampling, (amended December 16, 1993)
- District Rule 2520, Federally Mandated Operating Permits, (amended June 21, 2001)

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- District Rule 4201, Particulate Matter Concentration, (amended December 17, 1992)
- District Rule 4202, Particulate Matter Emission Rate, (amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment, (amended December 17, 1992)
- District Rule 4701, Internal Combustion Engines – Phase 1, (amended August 21, 2003)
- District Rule 4801, Sulfur Compounds, (amended December 17, 1992)
- 40 CFR 52.21, Prevention of Significant Deterioration of Air Quality
- 40 CFR 60 Subpart CC, Standards of Performance for Glass Manufacturing
- 40 CFR 61 Subpart N, National Emission Standard for inorganic Arsenic
- 40 CFR 64, Compliance Assurance Monitoring (CAM)
- 40 CFR 68, Chemical Accident Prevention,

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".

The following rule, which has not been updated since the initial Title V permit was issued, is not federally enforceable and will not be discussed in further detail:

District Rule 4102 – Nuisance

This rule is applicable to any source operation which emits or may emit air contaminants or other materials. This rule stipulates that a person shall not discharge from any source whatsoever such quantities of air contaminants or

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other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such person or the public or which cause or have a natural tendency to cause injury or damage to business or property.

a. C-801-0-2 – Facilitywide Requirements

- Condition 41 on the renewed permit to operate is based on this rule and is therefore not federally enforceable.

b. C-801-1-13 – 75 MMBTU/HR (APPROXIMATELY) NATURAL GAS-FIRED (WITH PROPANE BACKUP) CONTAINER GLASS MELTING FURNACE #1 [NORTH], WITH COMBUSTION TEC LOW NOX BURNERS, A BLOWER AIR STAGING (BAS) SYSTEM, 2000 KVA ELECTRIC BOOST, NOX, CO, AND O2 CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS), AND THREE (3) PRODUCTION LINES EACH WITH A 10 SECTION FORMING MACHINE

c. C-801-2-10 – 75 MMBTU/HR CONTAINER GLASS MELTING FURNACE #2 [SOUTH], WITH THREE 1,200 KVA ELECTRIC BOOSTING TRANSFORMERS (3,600 KVA TOTAL), 1,320 SQ FT MELTER AREA, 12 NATURAL GAS FIRING PORTS (6-FIRING, 6-EXHAUSTING, WITH A REVERSAL OCCURRING APPROXIMATELY EVERY 20 MINUTES), NOX, CO, AND O2 CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS), AND PRODUCTION LINE SHOPS 21-23 (TWO 8 SECTION LINES AND ONE 12 SECTION TANDEM)

- Condition 1 on these renewed permits to operate is based on this rule and is therefore not federally enforceable.

d. C-801-3-7 – 50 HP RAW MATERIAL HANDLING INCLUDING UNLOADING, BATCH WEIGHING AND MIXING, AND MIXED BATCH STORAGE SERVED BY DCE DALAMATIC DU 45-R-F12, DCE SINTAMATIC SU 80R-S8, DCE DALAMATIC DU 30R-F10, AND TWO DU 10H-FS DUST COLLECTORS

e. C-801-4-3 – 47 HP MOLD REPAIR SHOP DEPARTMENT INCLUDING NINE GRINDERS, TWO LATHES, AND SPRAY WELDER SERVED BY TORIT MODEL PIC-1080-6 55 BAGHOUSE DUST COLLECTOR WITH PULSE JET CLEANING.

- Conditions 2 and 3 on these renewed permits to operate are based on this rule and are therefore not federally enforceable.

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- f. C-801-5-6 – TEN 544,349 GALLON TOTAL CAPACITY RAW MATERIAL STORAGE BINS SERVED BY EIGHT FLEX KLEEN AND TWO TORIT BIN VENT FILTERS.
- Condition 1 on this renewed permit to operate is based on this rule and is therefore not federally enforceable.
- g. C-801-6-3 – 7.25 HP TORIT MODEL SDF-4 DUST COLLECTOR SERVING MINOR INGREDIENTS WEIGH SCALE, MIXER, AND MIXER DUMP HOOD.
- Conditions 2 and 3 on this renewed permit to operate are based on this rule and are therefore not federally enforceable.
- h. C-801-11-5 – MOLD SWABBING OPERATION, INCLUDING SIX INDIVIDUAL SECTION MACHINES.
- i. C-801-12-5 – HOT END BOTTLE COATING OPERATION, INCLUDING SIX COATING UNITS.
- Condition 1 on these renewed permits to operate is based on this rule and is therefore not federally enforceable.
- j. C-801-17-1 – HOT END BOTTLE COATING OPERATION, INCLUDING SIX COATING UNITS.
- Condition 1 on this renewed permit to operate is based on this rule and is therefore not federally enforceable.
- k. C-801-19-3 – 10 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #2.
- l. C-801-20-3 – 7.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #21/#22 (FOR FURNACE #2).
- m. C-801-21-3 – 6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #23 AND A 6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #24 (FOR FURNACE #2).
- n. C-801-22-2 – 3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2).
- o. C-801-23-2 – 3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2).

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- p. C-801-24-2 – 4.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2).
- q. C-801-25-3 – 3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #24 (FOR FURNACE #2).
- r. C-801-26-1 – 9.9 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #1.
- s. C-801-27-1 – 4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #11 FOR FURNACE #1.
- t. C-801-28-1 – 2.7 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #12 FOR FURNACE #1.
- u. C-801-29-1 – 4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #13 FOR FURNACE #1.
- v. C-801-30-1 – 5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #11 FOR FURNACE #1.
- w. C-801-31-1 – 5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #12 FOR FURNACE #1.
- x. C-801-32-1 – 5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #13 FOR FURNACE #1.
- y. C-801-33-1 – 3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #11 FOR FURNACE #1.
- z. C-801-34-1 – 3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #12 FOR FURNACE #1.
- aa. C-801-38-2 – 240 BHP JOHN DEERE MODEL PE6068HF120 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP.
- bb. C-801-41-1 – 1,490 BHP CUMMINS MODEL #QST30-G5 NR2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR.

- Condition 3 on these renewed permits to operate is based on this rule and is therefore not federally enforceable.

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cc. C-801-42-2 – CONFINED ABRASIVE BLASTING OPERATION WITH A 312.14 LB CLEMCO INDUSTRIES CORPORATION MODEL PULSAR IX-P BLASTING POT SERVED BY AN INTEGRAL DUAL CARTRIDGE REVERSE PULSE DUST COLLECTOR.

- Condition 2 on this renewed permit to operate is based on this rule and is therefore not federally enforceable.

VIII. COMPLIANCE

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

A. 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.

B. District Rule 2520 – Federally Mandated Operating Permits

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.

C. District Rule 4354 – Glass Melting Furnaces

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

The provisions of this rule apply to any glass melting furnaces.

The existing SIP version of the rule was last amended on August 17, 2006. The current version of the rule was amended on September 16, 2010, but has not yet been approved into the SIP.

The following analysis shows that the proposed requirements of the current non-SIP version of District Rule 4354 (amended May 19, 2011), are as stringent as, or more stringent than the requirements of the existing SIP version (amended August 17, 2006). Streamlining procedures, as documented in the following steps are utilized to substitute the set of requirements in the current non-SIP version of the rule for the otherwise applicable requirements in the SIP version of the rule.

Side-by-side Comparison of Applicable Requirements:

Type of Requirement	SIP Version of Rule 4354 (8/17/06)	Non-SIP Version of Rule 4354 (5/19/11)	Conclusion
Tier 2 NOx emissions limit for container glass/fiberglass furnaces	4.0 lb/ton of glass pulled on a block 24-hour average	4.0 lb/ton of glass pulled on a block 24-hour average	The non-SIP version of the rule is as stringent as the SIP version.
Tier 3 NOx emissions limit for container glass furnaces	n/a	1.5 lb/ton of glass pulled on a rolling 30-day average (Effective January 1, 2014)	The non-SIP version of the rule is more stringent than the SIP version.
CO and VOC	300 ppmv CO (Tier 2)	300 ppmv CO	The non-SIP version of the

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Type of Requirement	SIP Version of Rule 4354 (8/17/06)	Non-SIP Version of Rule 4354 (5/19/11)	Conclusion
emissions limits for 100% air-fuel fired container glass/fiberglass furnaces	20 ppmv VOC (Tier 2)	20 ppmv VOC	rule is as stringent as the SIP version.
CO and VOC emissions limits for oxy-fuel container glass/fiberglass furnaces	1.0 lb CO/ ton of glass pulled (Tier 2) 0.25 lb VOC/ ton of glass pulled (Tier 2)	1.0 lb CO/ ton of glass pulled 0.25 lb VOC/ ton of glass pulled	The non-SIP version of the rule is as stringent as the SIP version.
SOx emissions limits for oxy-fuel container glass furnaces; and container glass furnaces with >= 25% mixed color cullet	PUC-quality natural gas, commercial propane, or LPG	1.1 lb/ton of glass pulled on a rolling 30-day average	The non-SIP version of the rule is more stringent than the SIP version.
SOx emissions limits for all other container glass furnaces, and fiberglass furnaces	PUC-quality natural gas, commercial propane, or LPG	0.9 lb/ton of glass pulled on a rolling 30-day average	The non-SIP version of the rule is more stringent than the SIP version.
PM10 emissions limit for container glass/fiberglass furnaces	n/a	0.5 lb/ton of glass pulled on a block 24-hour average (Tier 2)	The non-SIP version of the rule is more stringent than the SIP version.
Maximum startup time for container glass/fiberglass furnaces with standard controls	70 days for container glass 40 days for fiberglass	70 days for container glass 40 days for fiberglass	The non-SIP version of the rule is as stringent as the SIP version.
Maximum startup time for	100 days for container glass 105 days for fiberglass	100 days for container glass 105 days for fiberglass	The non-SIP version of the rule is as stringent as the

Type of Requirement	SIP Version of Rule 4354 (8/17/06)	Non-SIP Version of Rule 4354 (5/19/11)	Conclusion
container glass/fiberglass furnaces with non-standard controls			SIP version.
Duration of shutdown	20 days	20 days	The non-SIP version of the rule is as stringent as the SIP version.
Monitoring	CEMS, or alternate method, for NOx	CEMS for NOx CEMS or key parameter monitoring for CO, VOC, SOx, and PM10	The non-SIP version of the rule is more stringent than the SIP version.

As demonstrated in the preceding analysis, the non-SIP version of the rule is at least as stringent as, or more stringent, than the SIP version of the rule. By complying with the non-SIP version of the rule, therefore, the facility will be complying with more stringent requirements than those in the SIP version of the rule.

Section 5.1 requires that NOx emissions for container glass furnaces shall not exceed 4.0 lb/ton of glass pulled on a block 24-hour average.

Section 5.2 requires that CO and VOC emissions for air-fuel fired container glass furnaces shall not exceed 300 ppmv and 20 ppmv (referenced at 8% O2 and dry stack conditions), respectively, on a rolling three hour average. Section 5.3.2 requires that SOx emissions for container glass furnaces shall not exceed 0.9 lb/ton of glass pulled on a rolling 30-day average.

Section 5.4.1 requires that PM10 emissions for container glass furnaces shall not exceed 0.5 lb/ton of glass pulled on a block 24-hour average.

Sections 5.5, 5.6, and 5.7 specify startup, shutdown and idling requirements, as summarized below:

- 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.

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- 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.

Section 5.9 specifies monitoring requirements, as summarized below:

- The operator of any glass melting furnace shall implement a NOx 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 SOx 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 CEMS for CO, VOC, or SOx, an operator may propose key system operating parameters and frequency of monitoring and recording.
- The operator shall propose a key system operating parameter and frequency of monitoring and recording, for PM10, or install and operate a CEMS for PM10.
- 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 PM10 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.

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- Acceptable range(s) for key system operating parameter(s) shall be demonstrated through source test.

Section 5.10 provides that the NO_x, CO, VOC, SO_x and PM₁₀ emission limitations 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.

Section 6.1 requires that each glass melting furnace's PTO shall include the furnace's permitted glass production capacity in units of tons of glass pulled per day as a permit condition.

Section 6.3 specifies record keeping requirements, as summarized below:

- Operators shall maintain daily records of total hours of operation; quantity of glass pulled from each furnace; NO_x 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_x emission rate in lb/ton glass pulled, if a CEMS is used; and PM₁₀ 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 source tests and source test results; the acceptable range for each approved key system operating parameter, as established during source test; maintenance and repair; and malfunction
- Operators shall retain records for a period of five years; make the records available on site during normal business hours to the APCO, ARB, or EPA; and submit the records to the APCO, ARB, or EPA upon request

Sections 6.4 and 6.5 specify source test requirements and source test methods, as summarized below:

- 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.

- 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_x, CO, VOC, and SO_x emission limits. Three (3) 60-consecutive-minute test runs shall be used to determine compliance with PM₁₀ 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.

Test Methods

- 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.
- 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.

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- Condensable PM 10 emissions - EPA Method 202 with procedures specified in sections 6.5.9.2.1 through 6.5.9.2.3.

Section 7.1.1 requires that for container glass/fiberglass furnaces, the operator must submit a completed Authority to Construct (ATC) application, if needed, by June 1, 2012; and be in full compliance with the Section 5.1 Tier 3 NO_x limits by January 1, 2014.

- a. C-801-1-13 – 75 MMBTU/HR (APPROXIMATELY) NATURAL GAS-FIRED (WITH PROPANE BACKUP) CONTAINER GLASS MELTING FURNACE #1 [NORTH], WITH COMBUSTION TEC LOW NOX BURNERS, A BLOWER AIR STAGING (BAS) SYSTEM, 2000 KVA ELECTRIC BOOST, NOX, CO, AND O2 CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS), AND THREE (3) PRODUCTION LINES EACH WITH A 10 SECTION FORMING MACHINE

- For this permit unit, conditions 5, 6, 8, 19, 21, 22, 24 through 28, 30 through 33, 37 through 40, and 43 through 51 on the renewed permit to operate ensure compliance with the requirements of this rule.

- b. C-801-2-10 – 75 MMBTU/HR CONTAINER GLASS MELTING FURNACE #2 [SOUTH], WITH THREE 1,200 KVA ELECTRIC BOOSTING TRANSFORMERS (3,600 KVA TOTAL), 1,320 SQ FT MELTER AREA, 12 NATURAL GAS FIRING PORTS (6-FIRING, 6-EXHAUSTING, WITH A REVERSAL OCCURRING APPROXIMATELY EVERY 20 MINUTES), NOX, CO, AND O2 CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS), AND PRODUCTION LINE SHOPS 21-23 (TWO 8 SECTION LINES AND ONE 12 SECTION TANDEM)

- For this permit unit, conditions 9 through 11, 14, 15, 18, 32 through 34, 36, 38, 39, 41 through 43, 45 through 48, 52, 53, 55, 56, 57, 59 through 62, 64, 65 and 70 on the renewed permit to operate ensure compliance with the requirements of this rule.

D. District Rule 4702 – Internal Combustion Engines – Phase 2

District rule 4702 was last amended on January 18, 2007 and the current version was approved into the SIP on January 10, 2008.

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. This rule applies to any internal combustion engine with a rated brake horsepower greater than 50 horsepower.

Section 4.2 provides that, except for the requirements of Section 5.7 and Section 6.2.3, the requirements of this rule shall not apply to an emergency standby engine, 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 4.3 provides that except for the administrative requirements of section 6.2.3, the requirements of this rule shall not apply to an engine that is: (a) operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood; (b) except for operations associated with (a), limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed operating time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine, and (c) operated with 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. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

Section 5.7 requires that the owner of an engine subject to Section 4.2 shall: (5.7.2) Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier; (5.7.3) Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier, and (5.7.4) Install and operate a nonresettable elapsed operating time meter, or 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 Permit-Exempt Equipment Registration condition.

Section 6.2.3 requires that an owner claiming an exemption under section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following: total hours of operation, the type of fuel used, the purpose for operating the engine, for emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and other support documentation necessary to demonstrate claim to the exemption.

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a. C-801-7-4 - 375 HP CATERPILLAR, MODEL 3406-D1, DIESEL-FIRED IC ENGINE POWERING A 250 KW EMERGENCY GENERATOR

For this permit unit, compliance with the requirements of this rule is ensured by conditions 4, 5, and 7 through 10 on the renewed permit.

b. C-801-38-1 – 240 BHP JOHN DEERE MODEL PE6068HF120 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

For this permit unit, compliance with the requirements of this rule is ensured by conditions 2, 4, 8, and 9 on the renewed permit.

c. C-801-41-1 – 1,490 BHP CUMMINS MODEL #QST30-G5 NR2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

For this permit unit, compliance with the requirements of this rule is ensured by conditions 2, and 8 through 14 on the renewed permit.

E. 40 CFR Part 64 – Compliance Assurance Monitoring

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 (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.

a. C-801-1-13 – 75 MMBTU/HR (APPROXIMATELY) NATURAL GAS-FIRED (WITH PROPANE BACKUP) CONTAINER GLASS MELTING FURNACE #1 [NORTH], WITH COMBUSTION TEC LOW NOX BURNERS, A BLOWER AIR STAGING (BAS) SYSTEM, 2000 KVA ELECTRIC BOOST, NOX, CO, AND O2 CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS), AND THREE (3) PRODUCTION LINES EACH WITH A 10 SECTION FORMING MACHINE

- This permit unit is subject to CAM for SO_x and PM₁₀ emissions because it has an emission limit for each pollutant, is equipped with an add-on control device for each pollutant, and the pre-control PE for each pollutant

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exceeds the applicable major source threshold. The unit is equipped with CEMS for SO_x, which satisfies CAM requirements. For PM₁₀, CAM requirements are included in conditions 28 through 31 of the proposed renewed permit to operate. These conditions were initially approved under minor modification project #C-1062505 in July 2010.

- This permit unit is not subject to CAM for CO, VOC and NO_x because it is not equipped with any add-on control devices for these pollutants.
- b. C-801-2-10 – 75 MMBTU/HR CONTAINER GLASS MELTING FURNACE #2 [SOUTH], WITH THREE 1,200 KVA ELECTRIC BOOSTING TRANSFORMERS (3,600 KVA TOTAL), 1,320 SQ FT MELTER AREA, 12 NATURAL GAS FIRING PORTS (6-FIRING, 6-EXHAUSTING, WITH A REVERSAL OCCURRING APPROXIMATELY EVERY 20 MINUTES), NO_x, CO, AND O₂ CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS), AND PRODUCTION LINE SHOPS 21-23 (TWO 8 SECTION LINES AND ONE 12 SECTION TANDEM)
- This permit unit is subject to CAM for SO_x and PM₁₀ emissions because it has an emission limit for each pollutant, is equipped with an add-on control device for each pollutant, and the pre-control PE for each pollutant exceeds the applicable major source threshold. The unit is equipped with CEMS for SO_x, which satisfies CAM requirements. For PM₁₀, CAM requirements are included in conditions 43 through 46 of the proposed renewed permit to operate.
 - This permit unit is not subject to CAM for CO, VOC and NO_x because it is not equipped with any add-on control devices for these pollutants.
- c. C-801-3-7 – 50 HP RAW MATERIAL HANDLING INCLUDING UNLOADING, BATCH WEIGHING AND MIXING, AND MIXED BATCH STORAGE SERVED BY DCE DALAMATIC DU 45-R-F12, DCE SINTAMATIC SU 80R-S8, DCE DALAMATIC DU 30R-F10, AND TWO DU 10H-FS DUST COLLECTORS
- This permit unit has an emission limit (a total of 0.0038 lb/ton) and add-on control devices (dust collectors/baghouses) for PM₁₀. The control efficiency of the dust collectors is 99.9%. The pre-control PE = $((0.0038 \text{ lb/ton} \times 422,233 \text{ tons/yr})/0.001) = 1,604,485 \text{ lb/yr}$. Since the pre-control PE exceeds the PM₁₀ major source threshold of 140,000 lb/yr, the unit is subject to CAM.

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- CAM requirements are included in conditions 9 and 15 of the renewed permit to operate. These conditions were previously approved under NSR project #C-1084423 in May 2009.
 - This permit unit does not have any emission limits for NO_x, SO_x, CO, or VOC, and is therefore not subject to CAM for these pollutants.
- d. C-801-4-3 – 47 HP MOLD REPAIR SHOP DEPARTMENT INCLUDING NINE GRINDERS, TWO LATHES, AND SPRAY WELDER SERVED BY TORIT MODEL PIC-1080-6 55 BAGHOUSE DUST COLLECTOR WITH PULSE JET CLEANING.
- This permit unit does not have any emission limits and is therefore not subject to CAM.
- e. C-801-5-6 – TEN 544,349 GALLON TOTAL CAPACITY RAW MATERIAL STORAGE BINS SERVED BY EIGHT FLEX KLEEN AND TWO TORIT BIN VENT FILTERS WITH A BATCH WEIGH SCALE, A CULLET WEIGHT SCALE, AND AN ENCLOSED CONVEYOR ALL SERVED BY A TORIT MODEL #16PJD6 PULSE JET CARTRIDGE BAGHOUSE FED FROM THREE STORAGE BINS WITH FLEX KLEEN BIN VENTS AND ONE STORAGE BIN WITH TORIT BIN VENT
- This permit unit has an emission limit (a total of 3.6 lb/ton) and add-on control devices (dust collectors/baghouses) for PM₁₀. The control efficiency of the dust collectors is 99.9%. The pre-control PE = (3.6 lb/ton x 212,700 tons/yr) = 765,720 lb/yr. Since the pre-control PE exceeds the PM₁₀ major source threshold of 140,000 lb/yr, the unit is subject to CAM.
 - CAM requirements are included in condition 10 of the renewed permit to operate.
 - This permit unit does not have any emission limits for NO_x, SO_x, CO, or VOC, and is therefore not subject to CAM for these pollutants.
- f. C-801-6-3 – 7.25 HP TORIT MODEL SDF-4 DUST COLLECTOR SERVING MINOR INGREDIENTS WEIGH SCALE, MIXER, AND MIXER DUMP HOOD.
- g. C-801-7-4 – 375 HP CATERPILLAR, MODEL 3406-D1, DIESEL-FIRED IC ENGINE POWERING A 250 KW EMERGENCY GENERATOR.

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- The preceding permit units do not have any emission limits and are therefore not subject to CAM.
- h. C-801-11-5 – MOLD SWABBING OPERATION INCLUDING FIVE PRODUCTION LINES WITH FIVE INDIVIDUAL SECTION (IS) FORMING MACHINES (THREE 10 INDIVIDUAL SECTION (IS) FORMING MACHINES FOR FURNACE #1 AND TWO INDIVIDUAL SECTION MACHINES, ONE WITH A 16 SECTION LINE AND ONE WITH A 20 SECTION LINE FOR FURNACE #2).
- i. C-801-12-5 – HOT END BOTTLE COATING OPERATION INCLUDING FIVE COATING LINES (THREE FOR FURNACE #1 AND TWO FOR FURNACE #2) WITH FIVE COATING UNITS.
- These permit units are not equipped with any add-on control devices and are therefore not subject to CAM.
- j. C-801-17-1 – CONFINED ABRASIVE BLASTING OPERATION WITH A 600 LB EMPIRE ABRASIVE EQUIPMENT CO MODEL PC-6060-RS BLASTING POT SERVED BY EM2-4 BAGHOUSE.
- This permit unit does not have any emission limits and is therefore not subject to CAM.
- k. C-801-19-3 – 10 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #2.
- l. C-801-20-3 – 7.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #21/#22 (FOR FURNACE #2).
- m. C-801-21-3 – 6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #23 AND A 6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #24 (FOR FURNACE #2).
- n. C-801-22-2 – 3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2).
- o. C-801-23-2 – 3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2).
- p. C-801-24-2 – 4.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2).

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- q. C-801-25-3 – 3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #24 (FOR FURNACE #2).
- r. C-801-26-1 – 9.9 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #1.
- s. C-801-27-1 – 4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #11 FOR FURNACE #1.
- t. C-801-28-1 – 2.7 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #12 FOR FURNACE #1.
- u. C-801-29-1 – 4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #13 FOR FURNACE #1.
- v. C-801-30-1 – 5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #11 FOR FURNACE #1.
- w. C-801-31-1 – 5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #12 FOR FURNACE #1.
- x. C-801-32-1 – 5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #13 FOR FURNACE #1.
- y. C-801-33-1 – 3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #11 FOR FURNACE #1.
- z. C-801-34-1 – 3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #12 FOR FURNACE #1.

- The preceding permit units are not equipped with any add-on control devices and are therefore not subject to CAM.

- aa. C-801-37-2 – RAW MATERIALS HANDLING OPERATION WITH ELEVATOR AND TWO 2,880 GALLON (385 CU FT) BATCH STORAGE BINS SERVED BY A TORIT DONALDSON MODEL #TD-486 PULSE JET CARTRIDGE BAGHOUSE AND ENCLOSED WETTING SCREW CONVEYOR TO FURNACE #2

- This permit unit has an emission limit (0.02 lb/ton) and add-on control devices (dust collectors/baghouses) for PM10. The control efficiency of the dust collectors is 99.9%. The pre-control PE = $((0.02 \text{ lb/ton} \times 212,700 \text{ tons/yr})/0.001) = 4,254,000 \text{ lb/yr}$. Since the pre-control PE exceeds the PM10 major source threshold of 140,000 lb/yr, the unit is subject to CAM.

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- CAM requirements are included in condition 10 of the renewed permit to operate.
- This permit unit does not have any emission limits for NO_x, SO_x, CO, or VOC, and is therefore not subject to CAM for these pollutants.

bb. C-801-38-2 – 240 BHP JOHN DEERE MODEL PE6068HF120 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

- This permit unit is not equipped with any add-on control devices and is therefore not subject to CAM.

cc. C-801-39-3 – 11,220 GALLON (1,500 CU FT) SODA ASH STORAGE SILO CONTROLLED WITH A MCGILL AIR CLEAN MODEL #72AVS25 PULSE JET CARTRIDGE BAGHOUSE AND ENCLOSED SCREW CONVEYOR SUPPLYING SEMI-DRY SCRUBBER (LISTED ON PERMIT C-801-1) FOR FURNACES #1 AND #2

- This permit unit has an emission limit (0.03125 lb/ton) and add-on control device (dust collector/baghouse) for PM₁₀. The control efficiency of the dust collectors is 99.9%. The pre-control PE = $((0.03125 \text{ lb/ton} \times 1,165 \text{ tons/yr})/0.001) = 36,500 \text{ lb/yr}$. Since the pre-control PE does not exceed the PM₁₀ major source threshold of 140,000 lb/yr, the unit is not subject to CAM for PM₁₀.
- This permit unit does not have any emission limits for NO_x, SO_x, CO, or VOC, and is therefore not subject to CAM for these pollutants.

dd. C-801-41-1 – 1,490 BHP CUMMINS MODEL #QST30-G5 NR2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

- This permit unit is not equipped with any add-on control devices and is therefore not subject to CAM.

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ee. C-801-42-2 – CONFINED ABRASIVE BLASTING OPERATION WITH A 312.14 LB CLEMCO INDUSTRIES CORPORATION MODEL PULSAR IX-P BLASTING POT SERVED BY AN INTEGRAL DUAL CARTRIDGE REVERSE PULSE DUST COLLECTOR.

- This permit unit does not have any emission limits and is therefore not subject to CAM.

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

The permit shields for requirements addressed by the umbrella template are included in conditions 39 and 40 under permit unit C-801-0-3.

B. Requirements Not Addressed by Model General Permit Templates

The permit shields for requirements not addressed by the umbrella template are included in conditions 52 through 54 of permit unit C-801-1-13; conditions 71 through 73 of permit unit C-801-2-10; condition 18 of permit unit C-801-5-6; condition 4 of permit unit C-801-6-3; conditions 2 and 3 of permit unit C-801-7-4; conditions 13 and 14 of permit units C-801-11-5 and 12-5; condition 8 of permit unit C-801-19-3; condition 8 of permit units C-801-20-3, 21-3, 22-2, 23-2, 24-2, 25-3, and 26-1 through 34-1.

X. PERMIT CONDITIONS

The Renewed Title V Operating Permit is included as Attachment A.

XI. ATTACHMENTS

- A. Renewed Title V Operating Permit
- B. Previous Title V Operating Permit

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- C. Detailed Facility List
- D. Template Qualification Form
- E. Comments

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ATTACHMENT A

Renewed Title V Operating Permit



Permit to Operate

FACILITY: C-801

EXPIRATION DATE: 01/31/2015

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

SAINT-GOBAIN CONTAINERS, INC
ATTN: ENVIRONMENTAL MANAGER/V. KRULIC
PO BOX 4200
MUNCIE, IN 47307-4200

FACILITY LOCATION:

24441 AVENUE 12 & ROAD 24 1/2
MADERA, CA 93637

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-801-0-3

EXPIRATION DATE: 01/31/2015

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 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 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: SAINT-GOBAIN CONTAINERS, INC
Location: 24441 AVENUE 12 & ROAD 24 1/2, MADERA, CA 93637
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10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
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36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin July 15th of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
43. 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
44. If the Permittee settles the allegations included in the Findings and Notices of Violation issued from 1999 through 2003 by EPA, through a consent decree with the United States in federal district court, then, upon entry, this permit shall be revised to include the applicable terms and conditions of the consent decree. If the settlement efforts fail, this permit may be re-opened and revised to address the units or activities addressed in the Findings and Notices of Violation. [District Rule 2520, 9.14.1] Federally Enforceable Through Title V Permit
45. If the Permittee settles the allegations included in the District Findings and Notices of Violation through a mutual settlement process, then, upon entry, this permit shall be revised to include the applicable terms and conditions of the settlement agreement. If the settlement efforts fail, this permit may be re-opened and revised to address the units or activities addressed in the District Findings and Notices of Violation. [District Rule 2520, 9.14.1] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-1-13

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

75 MMBTU/HR (APPROXIMATELY) NATURAL GAS-FIRED (WITH PROPANE BACKUP) CONTAINER GLASS MELTING FURNACE #1 (NORTH) WITH COMBUSTION TEC LOW NOX BURNERS, 2,000 KVA ELECTRIC BOOST, A BLOWER AIR STAGING (BAS) SYSTEM, NOX, SOX, CO AND O2 CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS), AND THREE (3) PRODUCTION LINES EACH WITH A 10 INDIVIDUAL SECTION (IS) FORMING MACHINE WITH A MCGILL AIRCLEAN MODEL 3-700 SEMI-DRY SCRUBBER/ESP SYSTEM (COMMON TO FURNACE #2), AND A CONTINUOUS OPACITY MONITORING SYSTEM (COMS)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Particulate matter emissions shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
3. 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 (12/17/92), 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 Madera County Rule 401] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1]
5. The furnace shall be equipped with a continuous emission monitor (CEM) for NO_x, CO, and O₂. This CEM shall be located in the duct for furnace #1 upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. [District Rule 4354, 5.9.1 & 5.9.2; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
6. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 51, 40 CFR parts 60.7 and 60.13, 40 CFR part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 4354, 5.9 and 6.6 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
7. The common exhaust stack for furnaces #1 and #2 shall be equipped with a continuous opacity monitoring system (COMS) downstream of the control equipment. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 60.13 and 40 CFR part 60 Appendix B (Performance Specification 1), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 1080 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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8. The common exhaust stack for furnaces #1 and #2 shall be equipped with a continuous emission monitor (CEM) for SOX at the inlet of the scrubber and downstream of the control equipment. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 51, 40 CFR parts 60.7 and 60.13, 40 CFR part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures), and applicable sections of Rule 1080 (Stack Monitoring). [District Rules 1080 and 4354, 5.9.3; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
9. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
10. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
11. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
12. The owner/operator shall perform a relative accuracy test audit (RATA) as specified by 40 CFR Part 60, Appendix F, 5.1.1 at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
13. Audits of continuous emission monitors shall be conducted quarterly, except during quarters in which relative accuracy and compliance source testing are both performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
14. Permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
15. Permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions; nature and cause of excess (averaging period used for data reporting shall correspond to the averaging period for each respective emission standard); corrective actions taken and preventive measures adopted; applicable time and date of each period during a 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] Federally Enforceable Through Title V Permit
16. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. The sampling ports shall be located upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
17. Compliance demonstration (source testing) shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
18. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (as amended December 16, 1993). [District Rule 1081] 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.

19. The container glass pull rate from furnace #1 shall not exceed either of the following limits: 450 U.S. short tons per day or 157,680 U.S. short tons per year. [District Rules 2201 and 4354, 6.1] Federally Enforceable Through Title V Permit
20. Annual emissions from furnace #1 and #2 combined shall not exceed either of the following limits: 265,632 lb-SO_x/year or 164,719 lb-PM₁₀/year. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Except during idling, start-up, or shutdown, emissions rates from this unit shall not exceed any of the following limits: 0.8 lb-SO_x/ton of container glass pulled, 300 ppmv CO @ 8% O₂, or 20 ppmv VOC @ 8% O₂. SO_x emissions limit is based on a 30-day rolling average. CO and VOC emissions limits are based on a three hour rolling average. [District Rules 2201 and 4354, 5.2 & 5.3] Federally Enforceable Through Title V Permit
22. The pollutant mass emission rate in lb/hr shall be converted to lb pollutant/ton of glass pulled as specified in Section 8.1 of Rule 4354. The CO and VOC emission concentrations shall be corrected to 8.0 percent oxygen as specified in Section 8.2 of Rule 4354. The operator of a oxy-fuel fired furnace, oxygen-assisted combustion furnace, or a furnace utilizing any fuel oxidants other than 100% ambient air, shall submit to the APCO, ARB, and EPA for approval any methodologies and data that will be used to calculate emission rates for NO_x, CO, and VOC if the methods are different from those specified in Sections 8.1 or 8.2 of Rule 4354. Unless the operator received prior written approval from APCO, ARB, and EPA of all the calculation methods to be used that are different from those specified in Sections 8.1 or 8.2 of Rule 4354, compliance with the emissions limits cannot be fully demonstrated, and it shall be deemed to be a violation of the rule. [District Rule 4354, 8.0] Federally Enforceable Through Title V Permit
23. Emissions from this furnace shall not exceed either of the following limits: 554.4 lb-CO/day or 21.6 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Except during idling, start-up, or shutdown, Particulate Matter emissions (as PM₁₀) shall not exceed 0.5 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
25. Except during idling, start-up, or shutdown, NO_x emissions from this furnace shall not exceed 4.0 lbs/ton of glass produced, on a 24 hour block average basis. [District Rules 2201 and 4354, 5.1] Federally Enforceable Through Title V Permit
26. NO_x, CO, VOC, SO_x, and PM₁₀ emissions during idling shall not exceed the emissions limits as calculated using the following equation: NO_x, CO, VOC, SO_x, or PM₁₀ (lb/day) = (Applicable emission limit (in lbs/ton)) x (Furnace permitted production capacity (in tons/day)). [District Rule 4354, 5.7.2] Federally Enforceable Through Title V Permit
27. 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, 6.7] Federally Enforceable Through Title V Permit
28. 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 05/19/2011). [District Rule 4354, 5.5.4] Federally Enforceable Through Title V Permit
29. The permittee shall operate and maintain the electrostatic precipitator (ESP) system to reduce particulate emissions to 0.2 pounds of particulate per ton of glass pulled, using EPA Method 5 as set forth in 40 C.F.R. Part 60, Appendix A, and 0.45 pounds of particulate per ton of glass pulled, using the combined results of EPA Methods 5 and 202 as set forth in 40 C.F.R. Part 60, Appendix A. [District Rules 2201 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
30. Monitoring of the ESP shall comply with the requirements of 40 CFR. Part 64. [District Rule 4354, 5.9.4; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
31. The ESP shall be operated at a secondary voltage of at least 12 kV. [District Rules 2520, 9.3.2 and 4354, 5.9.4; and 40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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32. The ESP secondary voltage shall be monitored and recorded two times during every eight hours of operation. [District Rules 2520, 9.3.2 & 9.4 and 4354, 5.9.4; and 40 CFR 64] Federally Enforceable Through Title V Permit
33. If the monitored ESP secondary voltage is below the minimum allowable voltage, the permittee shall return the voltage to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the ESP secondary voltage readings continue to be below the allowable range after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100 (as amended December 17, 1992), the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 2520, 9.5 and 4354, 5.9.4; and 40 CFR 64] Federally Enforceable Through Title V Permit
34. The permittee shall operate and maintain the semi-dry scrubber system to reduce SOx emissions by at least 85%, excluding days when the scrubber inlet's daily average concentration of SO2 is 353 ppmv or less, in which case the scrubber outlet's daily average concentration of SO2 shall be reduced to at least 53 ppmv, except during periods of scheduled or preventative maintenance. The averaging period for the reduction efficiency shall be calculated on a rolling 30-day average basis, excluding days when the scrubber inlet's daily average concentration of SO2 is 353 ppmv or less. Compliance with the SOx reduction efficiency and daily concentration standard shall be demonstrated by the combined ductwork scrubber inlet and downstream of the control equipment outlet SO2 continuous concentration monitoring. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.b, issued June 22, 2005] Federally Enforceable Through Title V Permit
35. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
36. Certification of the continuous opacity monitoring system (COMS) shall be demonstrated by meeting the requirements of 40 CFR Part 60.13 and 40 CFR Part 60, Appendix B, Performance Specification 1. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.b.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
37. Source testing to measure NOx, CO, and VOC emissions shall be conducted once every calendar year, but no more than every 18 months and not sooner than every 6 months. [District Rules 2201 and 4354, 6.4] Federally Enforceable Through Title V Permit
38. Source testing to measure SOx and PM10 emissions shall be conducted at the outlet of the combined furnace #1 and furnace #2 ductwork once every calendar year, but no more than every 18 months and not sooner than every 6 months. [District Rules 2201 and 4354, 6.4] Federally Enforceable Through Title V Permit
39. Source testing shall be conducted using the following test methods: NOx (heat input basis) - USEPA Method 19, NOx (ppmv) - USEPA Method 7E or CARB Method 100; CO (ppmv) - USEPA Method 10 or CARB Method 100; VOC (ppmv) - USEPA Method 25A, expressed in terms of carbon, or ARB Method 100; VOC (exempt compounds) - EPA Method 18 or ARB Method 422; Stack gas oxygen, carbon dioxide, excess air and dry molecular weight - USEPA Method 3 or 3A, or CARB Method 100; Stack gas velocity and volumetric flow rate - USEPA Method 2; SOx - USEPA Method 6C, EPA Method 8, or CARB Method 100; Filterable PM10 - EPA Method 5 (all PM collected shall be counted as PM10), EPA Method 201, or EPA Method 201A; Condensable PM 10 - EPA Method 202 with procedures specified in Rule 4354, sections 6.5.9.2.1 through 6.5.9.2.3. [District Rules 1081, 2520, 9.3.2, and 4354, 6.5] Federally Enforceable Through Title V Permit
40. Source 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
41. Compliance testing for particulate shall be conducted at the outlet of the combined furnace #1 and furnace #2 ductwork in accordance with USEPA Reference Methods 1, 2, 5, and 202 as set forth in 40 CFR Part 60, Appendix A. Each test shall consist of three runs. The sampling time and volume for each run shall be at least 60 minutes and 31.8 dry standard cubic feet. Thereafter, compliance testing of particulate matter shall be conducted on an annual basis within 60 days of the anniversary date of the latest compliance testing. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.b.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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42. Commercial arsenic shall not be used as a raw material in this glass furnace. This prohibition is required for continued exemption from the requirements of 40 CFR 61, Subpart N. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
43. Idling is defined as the operation of the furnace at less than 25% of the permitted production capacity or fuel use capacity as stated on the Permit to Operate. [District Rule 4354, 3.17] Federally Enforceable Through Title V Permit
44. The emission control system shall be in operation whenever technologically feasible during idling to minimize emissions. Emissions of NO_x, CO, VOC, SO_x, and PM₁₀ during idling shall not exceed the amount as calculated pursuant to section 5.7.2 of rule 4354. Notifications shall be performed and records kept in accordance with section 6.7 of rule 4354. [District Rule 4354, 5.7.1, 5.7.2 & 5.7.3] Federally Enforceable Through Title V Permit
45. Shutdown shall mean the period of time during which the glass melting furnace is purposely allowed to cool from its operating temperature and molten glass is removed from the tank for the purpose of a furnace rebuild or reconstruction, or during a natural gas curtailment, or, subject to EPA's approval, when it is commercially necessary. [District Rule 4354, 3.36 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.y, issued June 22, 2005] Federally Enforceable Through Title V Permit
46. The duration of shutdown, as measured from the time the furnace operations drop below the idle threshold specified in section 3.17 of rule 4354 to when all emissions from the furnace cease, shall not exceed 20 days. The emission control system shall be in operation whenever technologically feasible during shutdown to minimize emissions. Notifications shall be performed and records kept in accordance with section 6.7 of rule 4354. [District Rule 4354, 5.6.1, 5.6.2 & 5.6.3] Federally Enforceable Through Title V Permit
47. Start-up shall mean the period of time, after initial construction, a furnace rebuild, or a shutdown, during which the glass melting furnace is heated to operating temperature by the primary furnace combustion systems, and systems and instrumentation are brought to stabilization and calibrated. 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 emission control system shall be in operation as soon as technologically feasible during start-up to minimize emissions and notifications shall be performed and records kept in accordance with section 6.7 of rule 4354. [District Rule 4354, 3.37 & 5.5; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.z, issued June 22, 2005] Federally Enforceable Through Title V Permit
48. NO_x, CO, VOC, SO_x and PM₁₀ emission limitations of District Rule 4354 shall not apply during periods of routine maintenance of an add-on emission control system as long as the routine maintenance does not exceed 144 hours total per calendar year for all add-on controls and the routine maintenance is conducted in a manner consistent with good air pollution control practices for minimizing emissions. [District Rule 4354, 5.10] Federally Enforceable Through Title V Permit
49. Operators shall maintain daily records of the following items: total hours of operation, the quantity of glass pulled from each furnace, NO_x emission rate in lb/ton glass pulled, CO emission rate, VOC emission rate, SO_x emission rate in lb/ton glass pulled, PM₁₀ emission rate in lb/ton glass pulled, source tests and source test results; maintenance and repair; malfunction, idling, start-up, and shutdown. For pollutants monitored using an approved parametric monitoring arrangement, operators shall maintain records of the acceptable range for each approved key system operating parameter, as established during source test, and shall record the operating values of the key system operating parameters at the approved recording frequency. [District Rules 2201 and 4354, 6.3.1, 6.3.2 & 6.3.3] Federally Enforceable Through Title V Permit
50. All records shall be maintained on the premises for a period of at least five years and shall be made available for District inspection upon request. [District Rules 2201 and 4354, 6.3.4] Federally Enforceable Through Title V Permit
51. Permittee shall submit an Authority to Construct application for compliance with Section 5.1 Tier 3 NO_x limits by June 1, 2012, and be in full compliance with Section 5.1 Tier 3 NO_x limits by January 1, 2014. [District Rule 4354, 7.1.1] Federally Enforceable Through Title V Permit
52. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), District Rule 4354 (as amended May 19, 2011), and District Rule 4801 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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.

53. The requirements of District Rule 4301 (as amended December 17, 1992) were determined to not apply to this unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
54. The requirements of 40 CFR 61, Subpart N were determined to not apply to this unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
55. Compliance with a Sulfuric Acid mist emission limit of 1.0 pound per ton of glass produced shall be demonstrated by a stack test performed using Conditional Test Method 13A of B on this furnace on or before December 31, 2011. Stock testing shall be required to be performed after this initial test only once during the life of the Title V permit renewal. [USEPA Consent Decree 2:10-cv-00121-TSZ, Section IV.8.n, filed 4/22/2010] Federally Enforceable Through Title V Permit
56. Except during periods of startup, shutdown, or malfunction: either the 3-hour block average production-based PM mass emission rate must not exceed 0.2 pound per ton (lb/ton) of glass produced; or the 3-hour block average production-based metal HAP mass emission rate must not exceed 0.02 lb/ton of glass produced. [40 CFR 63.11451 & 63.11455] Federally Enforceable Through Title V Permit
57. Performance tests for compliance with 40 CFR 63.11451 emission rates shall be conducted as specified in 40 CFR 63.11452. [40 CFR 63.11452] Federally Enforceable Through Title V Permit
58. Monitoring, inspection, and recordkeeping requirements for compliance with 40 CFR 63.11451 emission rates shall be conducted as specified in 40 CFR 63.11454, 63.11455, and 63.11457. [40 CFR 63.11454; 63.11455; & 63.11457] 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-801-2-10

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

85 MMBTU/HR (APPROXIMATELY) GLASS OXY-FUEL FIRED FURNACE #2 (SOUTH) WITH 3,600 KVA OF ELECTRIC BOOST AND (2) TWO PRODUCTION LINES (ONE WITH A 16 INDIVIDUAL SECTION (IS) FORMING MACHINE ONE WITH A 20 INDIVIDUAL SECTION (IS) FORMING MACHINE) WITH A MCGILL AIRCLEAN MODEL 3-700 SEMI-DRY SCRUBBER/ESP SYSTEM (COMMON TO FURNACE #1), A CONTINUOUS OPACITY MONITORING SYSTEM (COMS), A NOX CONTINUOUS EMISSIONS RATE MONITORING SYSTEM (CERMS), AND A SOX CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Particulate matter emissions shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
3. 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 (12/17/92), 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
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1]
5. The new exhaust system for furnaces #1 and #2 shall be designed, installed, and maintained according to good engineering practices, including minimizing dilution air in the stack exhaust stream prior to measurement of opacity. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.a, issued June 22, 2005] Federally Enforceable Through Title V Permit
6. The permittee shall maintain and operate this oxy-fuel furnace such that the combustion oxidant is at least 90% oxygen. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.a.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
7. The permittee shall maintain and operate staged combustion low NO_x oxy-fuel burners on this furnace. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.a.iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
8. The permittee shall install a fused cast crown on this oxy-fuel furnace. The permittee shall maintain the fused cast crown for the life of the oxy-fuel furnace unless it can show, at the time of any necessary repairs to the fused cast crown, that the fused cast crown has proven technically or economically infeasible to maintain. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.a.v, issued June 22, 2005] 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. Furnace shutdown shall not exceed 20 days, measured from the time furnace operations drop below the idle threshold specified in Section 3.17 of District Rule 4354 to when all emissions from the furnace cease. [District Rule 4354, 5.6.1 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.f.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
10. During the shutdown period, the emission control systems shall be in operation as soon as technologically feasible to minimize emissions. [District Rule 4354, 5.6.2 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.f.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
11. The emission control systems shall be in operation at all times during normal operations, and whenever technologically feasible including during startup, idling, transition, and shutdown conditions. [District Rule 4354, 5.5.6, 5.6.2, 5.7.1 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.g.iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
12. Scheduled or preventative maintenance of the emission control systems shall only occur during idling or after shutdown. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.g.v, issued June 22, 2005] Federally Enforceable Through Title V Permit
13. When a malfunction of this oxy-fuel furnace or any of the air pollution equipment occurs, the permittee shall attempt to repair the malfunction as soon as practicable, but in no event longer than 12 hours. Off-shift labor and overtime must be utilized, to the extent practicable, to ensure that such repairs are made expeditiously. If after 12 hours, the malfunction is not correct, the oxy-fuel furnace must be taken to idling within 12 additional hours. Malfunction shall mean a sudden and unavoidable failure or breakdown of air pollution control equipment that: (a) is caused by circumstances beyond the control of the owner and/or operator; (b) is not the result of intent, neglect, or disregard of air pollution control laws, rules or regulations; (c) is not the result of improper maintenance; and (d) is not an excessively recurrent breakdown of the same equipment. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.h, issued June 22, 2005] Federally Enforceable Through Title V Permit
14. The furnace shall be equipped with a continuous emission monitoring system (CEMS) for CO and O₂. This CEM shall be located in the duct for furnace #2 upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. [District Rule 4354, 5.9.2 & 6.6; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
15. The furnace shall be equipped with a continuous emissions rate monitoring system (CERMS) for NO_x. This CERMS shall be located in the duct for furnace #2 upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. [District Rule 4354, 5.9.1 & 6.6; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
16. The common exhaust stack for furnaces #1 and #2 shall be equipped with a continuous opacity monitoring system (COMS) downstream of the control equipment. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 60.13 and 40 CFR part 60 Appendix B (Performance Specification 1), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 1080 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
17. The common exhaust stack for furnaces #1 and #2 shall be equipped with a continuous emission monitor (CEM) for SO_x at the inlet of the scrubber and downstream of the control equipment. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 51, 40 CFR parts 60.7 and 60.13, 40 CFR part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures), and applicable sections of Rule 1080 (Stack Monitoring) (as amended December 17, 1992). [District Rule 1080 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005]
18. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 51, 40 CFR parts 60.7 and 60.13, 40 CFR part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 4354, 5.9 & 6.6; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
19. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

20. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
21. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
22. The owner/operator shall perform a relative accuracy test audit (RATA) as specified by 40 CFR Part 60, Appendix F, 5.1.1 at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
23. Audits of continuous emission monitors shall be conducted quarterly, except during quarters in which relative accuracy and compliance source testing are both performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
24. Permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
25. Permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions; nature and cause of excess (averaging period used for data reporting shall correspond to the averaging period for each respective emission standard); corrective actions taken and preventive measures adopted; applicable time and date of each period during a 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] Federally Enforceable Through Title V Permit
26. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. The sampling ports shall be located upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
27. Compliance demonstration (source testing) shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (as amended December 16, 1993). [District Rule 1081] Federally Enforceable Through Title V Permit
29. Annual emissions from furnace #1 and #2 combined shall not exceed either of the following limits: 265,632 lb-SOx/year or 164,719 lb-PM10/year. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Annual emissions from this furnace shall not exceed either of the following limits: 252,473 lb-NOx/year, 95,618 lb-PM10/year, and 36,593 lb-VOC/year on a twelve (12) month rolling average. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Compliance with the Annual Emission Limits for NOx, PM10, and VOC will be demonstrated utilizing the following calculation procedure: Annual Emissions (lb/year) = (a x b), where a = annual container glass pull rate (tons/year, based on a 12-month rolling average) and b = [for NOx: CEMS reading] [for PM10 and VOC: average source test emission factor (lb/ton of container glass pulled, based on source tests performed in the previous 12 months)]. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

32. The container glass pull rate from furnace #2 shall not exceed 600 U.S. short tons per day. [District Rules 2201 and 4354, 6.1] Federally Enforceable Through Title V Permit
33. Except during idling, start-up, or shutdown, Particulate Matter emissions (as PM10) shall not exceed 0.5 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
34. Except during idling, transition, start-up, or shutdown, emissions rates from this unit shall not exceed any of the following limits: 0.8 lb-SO_x/ton of container glass pulled, 0.2 lb-CO/ton of container glass pulled, or 0.2 lb-VOC/ton of container glass pulled. SO_x emissions limit is based on a 30-day rolling average. CO and VOC emissions limits are based on a three hour rolling average. [District Rules 2201 and 4354, 5.2 & 5.3] Federally Enforceable Through Title V Permit
35. Emissions from this furnace shall not exceed 120.0 lb-CO/day (equivalent to 0.2 lb-CO/ton of container glass pulled). [District Rule 2201] Federally Enforceable Through Title V Permit
36. Except during idling, transition, start-up, or shutdown, NO_x emissions from this furnace shall not exceed 1.3 lbs/ton of glass produced, on a 24 hour block average basis. [District Rules 2201 and 4354, 5.1, and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.a.i and ii. issued June 22, 2005] Federally Enforceable Through Title V Permit
37. The NO_x emission rate measured by the CERMS in pounds per hour shall be converted to pounds of NO_x per ton of glass pulled according to the following equation: NO_x emissions rate (lbs-NO_x/ton of glass pulled) = [NO_x CERMS (lbs-NO_x/hr)] / [glass pull rate (tons of glass pulled/hr)]. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.d, issued June 22, 2005] Federally Enforceable Through Title V Permit
38. The pollutant mass emission rate in lb/hr shall be converted to lb pollutant/ton of glass pulled as specified in Section 8.1 of Rule 4354. The CO and VOC emission concentrations shall be corrected to 8.0 percent oxygen as specified in Section 8.2 of Rule 4354. The operator of a oxy-fuel fired furnace, oxygen-assisted combustion furnace, or a furnace utilizing any fuel oxidants other than 100% ambient air, shall submit to the APCO, ARB, and EPA for approval any methodologies and data that will be used to calculate emission rates for NO_x, CO, and VOC if the methods are different from those specified in Sections 8.1 or 8.2 of Rule 4354. Unless the operator received prior written approval from APCO, ARB, and EPA of all the calculation methods to be used that are different from those specified in Sections 8.1 or 8.2 of Rule 4354, compliance with the emissions limits cannot be fully demonstrated, and it shall be deemed to be a violation of the rule. [District Rule 4354, 8.0] Federally Enforceable Through Title V Permit
39. During idling and transition, NO_x emissions from this oxy-fuel furnace (calculated as a block 24-hour period) shall not exceed 780.0 pounds per day. NO_x emissions shall be determined by the NO_x and flow monitoring required by this permit. When idling or a transition occurs for less than 24 hours in a day, this NO_x emission limit shall apply and NO_x emissions from 12:00 a.m. through 11:59 p.m. on that day shall be included in the calculation of the total daily NO_x emissions. [District Rule 4354, 5.4.2 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Sections V.12.g.i and V.12.g.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
40. This oxy-fuel furnace shall have no more than six transitions during any calendar year. Once a transition begins, production must exceed 50% of the permitted production capacity or be less than 25% of the permitted production capacity for at least 24 hours before another transition can be initiated. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.g.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
41. NO_x, CO, VOC, SO_x, and PM10 emissions during idling shall not exceed the emissions limits as calculated using the following equation: NO_x, CO, VOC, SO_x, and PM10 (lb/day) = (Applicable emission limit (in lbs/ton)) x (Furnace permitted production capacity (in tons/day)). [District Rule 4354, 5.7.2] Federally Enforceable Through Title V Permit
42. 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, 6.7] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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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. The permittee shall operate and maintain the electrostatic precipitator (ESP) system to reduce particulate emissions to 0.2 pounds of particulate per ton of glass pulled, using EPA Method 5 as set forth in 40 C.F.R. Part 60, Appendix A, and 0.45 pounds of particulate per ton of glass pulled, using the combined results of EPA Methods 5 and 202 as set forth in 40 C.F.R. Part 60, Appendix A. [District Rule 2201 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.c.i. issued June 22, 2005] Federally Enforceable Through Title V Permit
45. Monitoring of the ESP shall comply with the requirements of 40 CFR Part 64. [District Rule 4354, 5.9.4; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
46. The ESP shall be operated at a secondary voltage of at least 12 kV. [District Rules 2520, 9.3.2 and 4354, 5.9.4; and 40 CFR 64] Federally Enforceable Through Title V Permit
47. The ESP secondary voltage shall be monitored and recorded two times during every eight hours of operation. [District Rules 2520, 9.3.2 & 9.4 and 4354, 5.9.4; and 40 CFR 64] Federally Enforceable Through Title V Permit
48. If the monitored ESP secondary voltage is below the minimum allowable voltage, the permittee shall return the voltage to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the ESP secondary voltage readings continue to be below the allowable range after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100 (as amended December 17, 1992), the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 2520, 9.5 and 4354, 5.9.4; and 40 CFR 64] Federally Enforceable Through Title V Permit
49. The permittee shall operate and maintain the semi-dry scrubber system to reduce SO_x emissions by at least 85%, excluding days when the scrubber inlet's daily average concentration of SO₂ is 353 ppm_{dv} or less, in which case the scrubber outlet's daily average concentration of SO₂ shall be reduced to at least 53 ppm_{dv}, except during periods of scheduled or preventative maintenance. The averaging period for the reduction efficiency shall be calculated on a rolling 30-day average basis, excluding days when the scrubber inlet's daily average concentration of SO₂ is 353 ppm_{dv} or less. Compliance with the SO_x reduction efficiency and daily concentration standard shall be demonstrated by the combined ductwork scrubber inlet and downstream of the control equipment outlet SO₂ continuous concentration monitoring. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.b, issued June 22, 2005] Federally Enforceable Through Title V Permit
50. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
51. Commercial arsenic shall not be used as a raw material in this glass furnace. This prohibition is required for continued exemption from the requirements of 40 CFR 61, Subpart N. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
52. Idling is defined as the operation of the furnace at less than 25% of the permitted production capacity or fuel use capacity as stated on the Permit to Operate. [District Rule 4354, 3.17] Federally Enforceable Through Title V Permit
53. The emission control system shall be in operation whenever technologically feasible during idling to minimize emissions. Emissions of NO_x, CO, VOC, SO_x, and PM₁₀ during idling shall not exceed the amount as calculated pursuant to section 5.7.2 of rule 4354. Notifications shall be performed and records kept in accordance with section 6.7 of rule 4354. [District Rule 4354, 5.7.1, 5.7.2 & 5.7.3] Federally Enforceable Through Title V Permit
54. Transition shall mean a period of no more than 24 hours in duration when the operation of the oxy-fuel furnace is at less than 50% but more than 25% of the permitted production capacity. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.aa, issued June 22, 2005] 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.

55. Start-up shall mean the period of time, after initial construction, a furnace rebuild, or a shutdown, during which the glass melting furnace is heated to operating temperature by the primary furnace combustion systems, and systems and instrumentation are brought to stabilization and calibrated. 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 emission control system shall be in operation as soon as technologically feasible during start-up to minimize emissions and notifications shall be performed and records kept in accordance with section 6.7 of rule 4354. [District Rule 4354, 3.37 & 5.5; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.z, issued June 22, 2005] Federally Enforceable Through Title V Permit
56. Shutdown shall mean the period of time during which the glass melting furnace is purposely allowed to cool from its operating temperature and molten glass is removed from the tank for the purpose of a furnace rebuild or reconstruction, or during a natural gas curtailment, or, subject to EPA's approval, when it is commercially necessary. [District Rule 4354, 3.36; and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.y, issued June 22, 2005] Federally Enforceable Through Title V Permit
57. The duration of shutdown, as measured from the time the furnace operations drop below the idle threshold specified in section 3.17 of rule 4354 to when all emissions from the furnace cease, shall not exceed 20 days. The emission control system shall be in operation whenever technologically feasible during shutdown to minimize emissions. Notifications shall be performed and records kept in accordance with section 6.7 of rule 4354. [District Rule 4354, 5.6.1, 5.6.2 & 5.6.3] Federally Enforceable Through Title V Permit
58. Compliance testing for particulate shall be conducted at the outlet of the combined furnace #1 and furnace #2 ductwork in accordance with USEPA Reference Methods 1, 2, 5, and 202 as set forth in 40 CFR Part 60, Appendix A. Each test shall consist of three runs. The sampling time and volume for each run shall be at least 60 minutes and 31.8 dry standard cubic feet. Thereafter, compliance testing of particulate matter shall be conducted on an annual basis within 60 days of the anniversary date of the latest compliance testing. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.b.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
59. Source testing to measure NO_x, CO, and VOC emissions shall be conducted once every calendar year, but no more than every 18 months and not sooner than every 6 months. [District Rules 2201 and 4354, 6.4] Federally Enforceable Through Title V Permit
60. Source testing to measure SO_x and PM₁₀ emissions shall be conducted at the outlet of the combined furnace #1 and furnace #2 ductwork once every calendar year, but no more than every 18 months and not sooner than every 6 months. [District Rules 2201 and 4354, 6.4] Federally Enforceable Through Title V Permit
61. Source testing shall be conducted using the following test methods: NO_x (heat input basis) - USEPA Method 19, NO_x (ppmv) - USEPA Method 7E or CARB Method 100; CO (ppmv) - USEPA Method 10 or CARB Method 100; VOC (ppmv) - USEPA Method 25A, expressed in terms of carbon, or ARB Method 100; VOC (exempt compounds) - EPA Method 18 or ARB Method 422; Stack gas oxygen, carbon dioxide, excess air and dry molecular weight - USEPA Method 3 or 3A, or CARB Method 100; Stack gas velocity and volumetric flow rate - USEPA Method 2; SO_x - USEPA Method 6C, EPA Method 8, or CARB Method 100; Filterable PM₁₀ - EPA Method 5 (all PM collected shall be counted as PM₁₀), EPA Method 201, or EPA Method 201A; Condensable PM₁₀ - EPA Method 202 with procedures specified in Rule 4354, sections 6.5.9.2.1 through 6.5.9.2.3. [District Rules 1081, 2520, 9.3.2, and 4354, 6.5] Federally Enforceable Through Title V Permit
62. Source 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
63. Certification of the continuous opacity monitoring system (COMS) shall be demonstrated by meeting the requirements of 40 CFR Part 60.13 and 40 CFR Part 60, Appendix B, Performance Specification 1. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.b.iii, issued June 22, 2005] 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.

64. Operators shall maintain daily records of the following items: total hours of operation, the quantity of glass pulled from each furnace, NO_x emission rate in lb/ton glass pulled, CO emission rate, VOC emission rate, SO_x emission rate in lb/ton glass pulled, PM₁₀ emission rate in lb/ton glass pulled, source tests and source test results; maintenance and repair; malfunction, idling, start-up, and shutdown. For pollutants monitored using an approved parametric monitoring arrangement, operators shall maintain records of the acceptable range for each approved key system operating parameter, as established during source test, and shall record the operating values of the key system operating parameters at the approved recording frequency. [District Rules 2201 and 4354, 6.3.1, 6.3.2 & 6.3.3] Federally Enforceable Through Title V Permit
65. All records shall be maintained on the premises for a period of at least five years and shall be made available for District inspection upon request. [District Rules 2201 and 4354, 6.3.4] Federally Enforceable Through Title V Permit
66. The permittee shall maintain the following information recorded in a permanent form, which may include electronic files, suitable for inspection: A file of all continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 60, Appendices A, B, and F; Operating logs that contain the following data on a daily basis: hours of operation, glass pull rate (in tons of glass pulled), type and quantity of fuel used, NO_x emissions (in pounds of NO_x per ton of glass pulled, calculated on a block 24-hour average), percent cullet used, electric boost used (in kilowatt-hours), oxygen quantity, and oxygen content of the combustion oxidant for the oxy-fuel furnace. The logs shall indicate periods of idling, transition, start-up, and shutdown, as well as any periods of maintenance, repair, or malfunction that affect the levels of emissions. This information, including all electronic files, shall be recorded and maintained until this oxy-fuel furnace is rebuilt, reconstructed, or ceases operation. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Sections V.14.a and V.14.b, issued June 22, 2005] Federally Enforceable Through Title V Permit
67. During idling and transition periods the permittee shall maintain a log that includes the following data on a daily basis: hours in idling or transition, glass pull rate (in tons of glass pulled), and pounds of NO_x emitted (calculated as a block 24-hour period). [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.14.c, issued June 22, 2005] Federally Enforceable Through Title V Permit
68. Until termination of the Consent Decree, a copy of the operating logs, including all electronic files, for the oxy-fuel furnace required to be maintained by the Consent Decree shall be submitted to the District and EPA on an annual basis on or before March 1 each year pursuant to Section XIV (Notices) of the Consent Decree. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section VII.25.b, issued June 22, 2005] Federally Enforceable Through Title V Permit
69. Within 30 days after the end of each calendar-year quarter (i.e., by April 30, July 30, October 30, and January 30), the permittee shall submit to USEPA and the District a "Quarterly Excess Emissions, CERMS, CEMS, and COMS Report" that conforms to the format set forth in 30 CFR Part 60.7(c) and includes the following: The magnitude of excess emissions, computed in accordance with 40 CFR Part 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions; Specific identification of each period of excess emissions that occur during idling, start-ups, shutdowns, and malfunctions, together with the nature and cause of any malfunction (if known) and the corrective action taken or preventative measure adopted; The date and time identifying each period during which the continuous monitoring system was inoperative (except zero and span checks) and the nature of the system repairs or adjustments; and When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Sections V.14.d.i-iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
70. Permittee shall submit an Authority to Construct application for compliance with Section 5.1 Tier 3 NO_x limits by June 1, 2012, and be in full compliance with Section 5.1 Tier 3 NO_x limits by January 1, 2014. [District Rule 4354, 7.1.1] 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.

71. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), District Rule 4354 (as amended September 16, 2010), and District Rule 4801 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
72. The requirements of District Rule 4301 (as amended December 17, 1992) were determined to not apply to this unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
73. The requirements of 40 CFR 61, Subpart N were determined to not apply to this unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
74. Compliance with a Sulfuric Acid mist emission limit of 1.0 pound per ton of glass produced shall be demonstrated by a stack test performed using Conditional Test Method 13A of B on this furnace on or before December 31, 2011. Stock testing shall be required to be performed after this initial test only once during the life of the Title V permit renewal. [USEPA Consent Decree 2:10-cv-00121-TSZ, Section IV.8.n, filed 4/22/2010] Federally Enforceable Through Title V Permit
75. Except during periods of startup, shutdown, or malfunction: either the 3-hour block average production-based PM mass emission rate must not exceed 0.2 pound per ton (lb/ton) of glass produced; or the 3-hour block average production-based metal HAP mass emission rate must not exceed 0.02 lb/ton of glass produced. [40 CFR 63.11451 & 63.11455] Federally Enforceable Through Title V Permit
76. Performance tests for compliance with 40 CFR 63.11451 emission rates shall be conducted as specified in 40 CFR 63.11452. [40 CFR 63.11452] Federally Enforceable Through Title V Permit
77. Monitoring, inspection, and recordkeeping requirements for compliance with 40 CFR 63.11451 emission rates shall be conducted as specified in 40 CFR 63.11454, 63.11455, and 63.11457. [40 CFR 63.11454; 63.11455; & 63.11457] 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-801-3-7

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

RAW MATERIAL HANDLING INCLUDING UNLOADING, BATCH WEIGHING AND MIXING, AND MIXED BATCH STORAGE SERVED BY DONALDSON MBT 81-10, DONALDSON TORIT DOWNFLO MODEL #DFO 2-16, DONALDSON TORIT MODEL #100 PJD-8, AND TWO FLEX KLEEN DUST COLLECTORS

PERMIT UNIT REQUIREMENTS

1. Visible emissions from each baghouse shall not exceed 5% opacity for a period of periods aggregating more than three minutes in any one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Material removed from each dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The cleaning frequency and duration for each baghouse shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The baghouses shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Controlled PM10 emissions from the dust collectors shall not exceed 0.0001 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Controlled PM10 emissions from the Donaldson Torit Downflo (DFO 2-16) and Donaldson Torit (100 PJD-8) dust collectors shall not exceed 0.001 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Differential operating pressure for each baghouse shall be monitored and recorded on each day that the baghouse operates. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Records of daily production of mixed batch material shall be maintained and made available for District inspection upon request. [District Rules 1070 and 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.

15. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
16. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 (as amended December 17, 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
17. Dust collector filters for each baghouse shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Dust collector filters for each baghouse shall be inspected monthly 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
19. Records of dust collector maintenance, inspections, and repair for each baghouse shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. Visible emissions from each baghouse shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-4-3

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

47 HP MOLD REPAIR SHOP DEPARTMENT INCLUDING NINE GRINDERS, TWO LATHES, AND SPRAY WELDER SERVED BY TORIT MODEL PIC-1080-6 55 BAGHOUSE DUST COLLECTOR WITH PULSE JET CLEANING.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 (as amended December 17, 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
5. Dust collector filters shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Dust collector filters shall be inspected monthly 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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-5-6

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

TEN 544,349 GALLON TOTAL CAPACITY RAW MATERIAL STORAGE BINS SERVED BY SIX DONALDSON TORIT (TD 486) AND TWO DONALDSON TORIT POWER CORE (CPC-3) DUST COLLECTORS, ONE BATCH WEIGH SCALE, ONE CULLET WEIGHT SCALE, AND ONE ENCLOSED CONVEYOR ALL SERVED BY A DONALDSON TORIT MODEL #TD-486 PULSE JET CARTRIDGE BAGHOUSE FED FROM THREE STORAGE BINS WITH FLEX KLEEN BIN VENTS AND ONE STORAGE BIN WITH TORIT BIN VENT, AND DONALDSON TORIT MODEL #16PJD6 BAGHOUSE SERVING SILO #3 (PELLETIZED ESP DUST)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Visible emissions from each baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The baghouses cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from each baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The baghouses shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Differential operating pressure for each baghouse shall be monitored and recorded on each day that the baghouse operates. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
12. PM10 emissions from the dust collectors shall not exceed 0.0001 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
13. PM10 emissions from the Torit pulse jet cartridge (16PJD6) and Torit bin vent filter (TD 486) dust collectors shall not exceed 0.001 gr/scf. [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.

14. Dust collector filters shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. Dust collector filters shall be inspected monthly while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Records of dust collector maintenance, inspections, and repair 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
17. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Compliance with the conditions in the permit requirements for this unit shall be deemed compliant with District Rules 4201 (as amended December 17 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
19. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr) as determined using the following formula: $E = 3.59 * P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
20. Visible emissions from each baghouse shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-6-3

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

7.25 HP TORIT MODEL SDF-4 DUST COLLECTOR SERVING MINOR INGREDIENTS WEIGH SCALE, MIXER, AND MIXER DUMP HOOD.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 (as amended December 17, 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
5. Dust collector filters shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Dust collector filters shall be inspected monthly 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. Processing rate shall not exceed 2000 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Maintain records of daily processing weights. All records shall be retained and shall be made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-7-4

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

375 HP CATERPILLAR, MODEL 3406-D1, DIESEL-FIRED IC ENGINE POWERING A 250 KW EMERGENCY GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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
3. 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
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.2.1 & 5.7.4; 17 CCR 93115; and 40 CFR 63.6625(I)] Federally Enforceable Through Title V Permit
5. 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, 6.2.3; and 17 CCR 93115] 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 2201, 4801 and 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, 5.7.2] 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, 5.7.3] 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, 6.2.3; 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.

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 Rule 4702,4.2.1; and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. 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
12. Effective May 3, 2013, the permittee shall change oil and filter every 500 hours of operation or annually, whichever comes first; and shall all times operate and maintain this engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR 63.6603(a) & 63.6605(b)] Federally Enforceable Through Title V Permit
13. Effective May 3, 2013, the permittee shall operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e) & 63.6640] Federally Enforceable Through Title V Permit
14. Effective May 3, 2013, the permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
15. Effective May 3, 2013, the permittee shall comply with the applicable reporting and recordkeeping requirements pursuant to to 40 CFR 63.6650, 63.6655, & 63.6660. [40 CFR 63.6650, 63.6655, & 63.6660] 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-801-11-5

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

MOLD SWABBING OPERATION INCLUDING FIVE PRODUCTION LINES WITH FIVE INDIVIDUAL SECTION (IS) FORMING MACHINES (THREE 10 INDIVIDUAL SECTION (IS) FORMING MACHINES FOR FURNACE #1 AND TWO INDIVIDUAL SECTION MACHINES, ONE WITH A 16 SECTION LINE AND ONE WITH A 20 SECTION LINE FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 17.31 \times P^{0.16}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is greater than 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
5. The permittee shall use best management practices and minimize the use of mold swabbing material (less than or = to 0.211 lb of material per ton of glass pulled) with PM10 emissions of 0.074 lb/ton of glass pulled in order to minimize PM10 emissions from this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Glass throughput for this mold swabbing operation shall not exceed 1,050 U.S. short tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Glass throughput for this mold swabbing operation shall not exceed 370,380 U.S. short tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Certified personnel, pursuant to the specifications in section 3 (Qualifications and Testing) of EPA Method 9, shall inspect the roof vent stacks weekly for visible emissions, while this equipment is in operation. The inspection shall be performed, using a modified EPA Method 9, as described in the District Compliance policy, as revised 2/17/98, for Visible Emissions Evaluations. If the modified Method 9 procedure indicates exceedance of the facility-wide 20% opacity limit, the unmodified EPA Method 9 procedure, except for data reduction (section 2.5), shall be performed within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. The permittee shall maintain the following records with regards to visible emission inspections: 1) inspection test method, 2) date and time of inspection, 3) stack or emission point identification, 4) observed results and conclusions, 5) type of corrective action taken, if any to reduce visible emissions and 6) name of person(s) performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of the daily quantity of swabbing compound used in this mold swabbing operation. [District Rules 2201 and 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.

11. The permittee shall maintain records of the daily and annual container glass throughput for this mold swabbing operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
12. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
13. District Rule 4201 (as amended December 17, 1992) has been determined not to be applicable to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4202 (as amended December 17, 1992). A permit shield is granted from this requirement. [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-801-12-5

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

HOT END BOTTLE COATING OPERATION INCLUDING FIVE COATING LINES (THREE FOR FURNACE #1 AND TWO FOR FURNACE #2) WITH FIVE COATING UNITS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 17.31 \times P^{0.16}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is greater than 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
5. Emissions from this hot end bottle treatment operation shall not exceed 0.018 lb-PM10/ton of glass pulled. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Glass throughput for this hot end bottle treatment operation shall not exceed 1,050 U.S. short tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Glass throughput for this hot end bottle treatment operation shall not exceed 370,380 U.S. short tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Records shall be maintained such that daily quantities of coating material consumption can be determined. Such records shall be retained and shall be made available for inspection by District staff upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. Certified personnel, pursuant to the specifications in section 3 (Qualifications and Testing) of EPA Method 9, shall inspect the roof vent stacks weekly for visible emissions, while this equipment is in operation. The inspection shall be performed, using a modified EPA Method 9, as described in the District Compliance policy, as revised 2/17/98, for Visible Emissions Evaluations. If the modified Method 9 procedure indicates exceedance of the facility-wide 20% opacity limit, the unmodified EPA Method 9 procedure, except for data reduction (section 2.5), shall be performed within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. The permittee shall maintain the following records with regards to visible emission inspections: 1) inspection test method, 2) date and time of inspection, 3) stack or emission point identification, 4) observed results and conclusions, 5) type of corrective action taken, if any to reduce visible emissions and 6) name of person(s) performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the daily and annual container glass throughput for this hot end bottle treatment. [District Rules 2201 and 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.

12. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
13. District Rule 4201 (as amended December 17, 1992) has been determined not to be applicable to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4202 (as amended December 17, 1992). A permit shield is granted from this requirement. [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-801-17-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

CONFINED ABRASIVE BLASTING OPERATION WITH A 600 LB EMPIRE ABRASIVE EQUIPMENT CO MODEL PC-6060-RS BLASTING POT SERVED BY EM2-4 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102] Federally Enforceable Through Title V Permit
2. The blasting operations shall be carried out in a manner to prevent any nuisances. [District Rule 4102]
3. All abrasive blasting shall be conducted in accordance with California Code of Regulations Title 17, Subchapter 6, Sections 92000 through 92540. [92000 through 92540 CCR]
4. A used certified abrasive shall not be considered certified for reuse unless the abrasive conforms to its original cut-point fineness. [92530 CCR]
5. Abrasive blasting operations conducted within the blasting cabinet shall not discharge air contaminants into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann 1 or equivalent to 20% opacity. [92200 CCR]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-19-3

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

10 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #2

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this distributor shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301. 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this distributor operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-20-3

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

7.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #21/#22 (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this lehr shop shall not exceed any of the following limits: 60 ppmv NO_x @ 3% O₂ or 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 20 ppmv CO @ 3% O₂ or 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this lehr shop operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-21-3

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #23 AND A 6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #24 (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this lehr shop shall not exceed any of the following limits: 60 ppmv NO_x @ 3% O₂ or 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 20 ppmv CO @ 3% O₂ or 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this lehr shop operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-22-2

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-23-2

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this hearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this hearth operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-24-2

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

4.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-25-3

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #24 (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-26-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

9.9 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this distributor shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this distributor operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-27-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #11 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-28-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

2.7 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #12 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-29-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #13 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 480], 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-30-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #11 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this lehr shop shall not exceed any of the following limits: 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this lehr operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-31-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #12 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this lehr shop shall not exceed any of the following limits: 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this lehr operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-32-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #13 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this lehr shop shall not exceed any of the following limits: 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this lehr operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-33-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #11 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this fire polishing operation shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this fire polishing operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-34-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #12 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
5. Emissions from this fire polishing operation shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this fire polishing operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-37-2

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

RAW MATERIALS HANDLING OPERATION WITH ELEVATOR AND TWO 2,880 GALLON (385 CU FT) BATCH STORAGE BINS SERVED BY A TORIT DONALDSON MODEL #TD-486 PULSE JET CARTRIDGE BAGHOUSE AND ENCLOSED WETTING SCREW CONVEYOR TO FURNACE #2

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from the 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. A spare set of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District NSR Rule and 40 CFR 64] Federally Enforceable Through Title V Permit
11. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Maximum glass pull-rate shall not exceed 600 U.S. short tons per day or 212,700 U.S. short tons per year for furnace #2. [District NSR Rule] Federally Enforceable Through Title V Permit
13. PM10 emissions from the baghouse shall not exceed 0.02 lb/ton of glass pulled from furnace #2. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The permittee shall maintain daily records of the quantity of glass pulled from furnace #2. [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.

15. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
17. Visible emissions from each baghouse shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-38-2

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

240 BHP JOHN DEERE MODEL PE6068HF120 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE
POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3.1; and 40 CFR 63.6625(f)] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. This engine shall be operated only for maintenance, testing, 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 Rule 4702, 4.3.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 4.74 g-NOx/bhp-hr, 0.59 g-CO/bhp-hr, or 0.16 g-VOC/bhp-hr. [District NSR Rule, 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.14 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure [District NSR Rule and 4102 and 13 CCR 2423 and 17 CCR 93115] 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, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 6.2.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. 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, 6.2.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Effective May 3, 2013, the permittee shall change oil and filter every 500 hours of operation or annually, whichever comes first; and shall all times operate and maintain this engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR 63.6603(a) & 63.6605(b)] 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. Effective May 3, 2013, the permittee shall operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e) & 63.6640] Federally Enforceable Through Title V Permit
12. Effective May 3, 2013, the permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
13. Effective May 3, 2013, the permittee shall comply with the applicable reporting and recordkeeping requirements pursuant to 40 CFR 63.6650, 63.6655, & 63.6660. [40 CFR 63.6650, 63.6655, & 63.6660] 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-801-39-3

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

11,220 GALLON (1,500 CU FT) SODA ASH STORAGE SILO CONTROLLED WITH A MCGILL AIR CLEAN MODEL #72AVS25 PULSE JET CARTRIDGE BAGHOUSE AND ENCLOSED SCREW CONVEYOR SUPPLYING SEMI-DRY SCRUBBER (LISTED ON PERMIT C-801-1) FOR FURNACES #1 AND #2

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from the 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. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from the baghouse shall not exceed 0.03125 lb/ton soda ash loaded. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Soda ash loaded shall not exceed 3.2 tons/day, on an annual average basis. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The duration of the silo truck loading shall not exceed 1 hour in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The duration of the silo truck loading shall not exceed 24 hours in any one year. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Baghouse air flow rate shall not exceed 1400 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Differential operating pressure and air flow rate shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

16. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The permittee shall maintain records of the soda ash throughput and hours of silo truck loading. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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-801-41-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

1,490 BHP CUMMINS MODEL #QST30-G5 NR2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702; 17 CCR 93115; and 40 CFR 63.6625(f)] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap, roof overhang, or any other obstruction. [District Rule 4102]
4. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 4.42 g-NOx/bhp-hr, 0.51 g-CO/bhp-hr, or 0.099 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
9. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [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. An emergency situation is: 1) An unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the operator, or 2) The supplying of power while maintenance or repairs are made to the primary power supply. [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
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. Effective May 3, 2013, the permittee shall change oil and filter every 500 hours of operation or annually, whichever comes first; and shall all times operate and maintain this engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR 63.6603(a) & 63.6605(b)] Federally Enforceable Through Title V Permit
16. Effective May 3, 2013, the permittee shall operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e) & 63.6640] Federally Enforceable Through Title V Permit
17. Effective May 3, 2013, the permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
18. Effective May 3, 2013, the permittee shall comply with the applicable reporting and recordkeeping requirements pursuant to 40 CFR 63.6650, 63.6655, & 63.6660. [40 CFR 63.6650, 63.6655, & 63.6660] 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-801-42-2

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

CONFINED ABRASIVE BLASTING OPERATION WITH A 312.14 LB CLEMCO INDUSTRIES CORPORATION MODEL PULSAR IX-P BLASTING POT SERVED BY AN INTEGRAL DUAL CARTRIDGE REVERSE PULSE DUST COLLECTOR

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The blasting operations shall be carried out in a manner to prevent any nuisances. [District Rule 4102]
3. All abrasive blasting shall be conducted in accordance with California Code of Regulations Title 17, Subchapter 6, Sections 92000 through 92540. [92000 through 92540 CCR]
4. A used certified abrasive shall not be considered certified for reuse unless the abrasive conforms to its original cut-point fineness. [92530 CCR]
5. Abrasive blasting operations conducted within the blasting cabinet shall not discharge air contaminants into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann 1 or equivalent to 20% opacity. [92200 CCR]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-43-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

NORTH SIDE CONVEYOR ACCEPTING TRANSFER OF BATCH AND CULLET TO FURNACE #1 SERVED BY DONALDSON MODULAR TORIT (64 FTD 8)

PERMIT UNIT REQUIREMENTS

1. Visible emissions from each baghouse shall not exceed 5% opacity for a period of periods aggregating more than three minutes in any one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Material removed from each dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The cleaning frequency and duration for each baghouse shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Controlled PM10 emissions from the dust collector shall not exceed 0.0001 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Differential operating pressure for each baghouse shall be monitored and recorded on each day that the baghouse operates. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 (as amended December 17, 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
15. Dust collector filters for each baghouse shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Dust collector filters for each baghouse shall be inspected monthly while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Records of dust collector maintenance, inspections, and repair for each baghouse shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Visible emissions from each baghouse shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-44-1

EXPIRATION DATE: 01/31/2015

EQUIPMENT DESCRIPTION:

BAG DUMP STATION SERVED BY TWO DONALDSON TD 486 DUST COLLECTORS

PERMIT UNIT REQUIREMENTS

1. Visible emissions from each baghouse shall not exceed 5% opacity for a period of periods aggregating more than three minutes in any one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Material removed from each dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The cleaning frequency and duration for each baghouse shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The baghouses shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Controlled PM10 emissions from the dust collectors shall not exceed 0.0001 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Differential operating pressure for each baghouse shall be monitored and recorded on each day that the baghouse operates. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 (as amended December 17, 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
15. Dust collector filters for each baghouse shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Dust collector filters for each baghouse shall be inspected monthly while not in operation for tears, scuffs, abrasions or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Records of dust collector maintenance, inspections, and repair for each baghouse shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Visible emissions from each baghouse shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
19. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

Saint-Gobain Containers, Inc.
Facility ID: C-801
Project #: C-1072785
Title V Permit Renewal

ATTACHMENT B

Previous Title V Operating Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



HEALTHY AIR LIVING™

Permit to Operate

FACILITY: C-801

EXPIRATION DATE: 01/31/2008

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

SAINT-GOBAIN CONTAINERS, INC
ATTN: ENVIRONMENTAL MANAGER/V. KRULIC
PO BOX 4200
MUNCIE, IN 47307-4200

FACILITY LOCATION:

24441 AVENUE 12 & ROAD 24 1/2
MADERA, CA 93637

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-801-0-2

EXPIRATION DATE: 01/31/2008

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 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 (3/21/02). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: SAINT-GOBAIN CONTAINERS, INC
Location: 24441 AVENUE 12 & ROAD 24 1/2, MADERA, CA 93637
C-801-0-2 Apr 13 2011 9:29AM - A1YABEJ

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards of District Rule 4601 (10/31/01) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (10/31/01) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (10/31/01). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), and Rule 111 (Kern, Tulare, Kings). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (11/15/01); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (10/31/01); 8021 (11/15/01); 8031 (11/15/01); 8041 (11/15/01); 8051 (11/15/01); 8061 (11/15/01); and 8071 (11/15/01). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin July 15th of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
43. 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
44. If the Permittee settles the allegations included in the Findings and Notices of Violation issued from 1999 through 2003 by EPA, through a consent decree with the United States in federal district court, then, upon entry, this permit shall be revised to include the applicable terms and conditions of the consent decree. If the settlement efforts fail, this permit may be re-opened and revised to address the units or activities addressed in the Findings and Notices of Violation. [District Rule 2520, 9.14.1] Federally Enforceable Through Title V Permit
45. If the Permittee settles the allegations included in the District Findings and Notices of Violation through a mutual settlement process, then, upon entry, this permit shall be revised to include the applicable terms and conditions of the settlement agreement. If the settlement efforts fail, this permit may be re-opened and revised to address the units or activities addressed in the District Findings and Notices of Violation. [District Rule 2520, 9.14.1] 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-801-1-12

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

75 MMBTU/HR (APPROXIMATELY) NATURAL GAS-FIRED (WITH PROPANE BACKUP) CONTAINER GLASS MELTING FURNACE #1 (NORTH) WITH COMBUSTION TEC LOW NOX BURNERS, 2,000 KVA ELECTRIC BOOST, A BLOWER AIR STAGING (BAS) SYSTEM, NOX, SOX, CO AND O2 CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS), AND THREE (3) PRODUCTION LINES EACH WITH A 10 INDIVIDUAL SECTION (IS) FORMING MACHINE WITH A MCGILL AIRCLEAN MODEL 3-700 SEMI-DRY SCRUBBER/ESP SYSTEM (COMMON TO FURNACE #2), AND A CONTINUOUS OPACITY MONITORING SYSTEM (COMS)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Particulate matter emissions shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
3. 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 (12/17/92), 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
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1]
5. The furnace shall be equipped with a continuous emission monitor (CEM) for NO_x, CO, and O₂. This CEM shall be located in the duct for furnace #1 upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. [District Rule 4354, 5.8 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
6. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 51, 40 CFR parts 60.7 and 60.13, 40 CFR part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 4354, 5.8 and 6.6 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
7. The common exhaust stack for furnaces #1 and #2 shall be equipped with a continuous opacity monitoring system (COMS) downstream of the control equipment. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 60.13 and 40 CFR part 60 Appendix B (Performance Specification 1), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 1080 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

8. The common exhaust stack for furnaces #1 and #2 shall be equipped with a continuous emission monitor (CEM) for SOX at the inlet of the scrubber and downstream of the control equipment. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 51, 40 CFR parts 60.7 and 60.13, 40 CFR part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 1080 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
9. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
10. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
11. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
12. The owner/operator shall perform a relative accuracy test audit (RATA) as specified by 40 CFR Part 60, Appendix F, 5.1.1 at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
13. Audits of continuous emission monitors shall be conducted quarterly, except during quarters in which relative accuracy and compliance source testing are both performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
14. Permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
15. Permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions; nature and cause of excess (averaging period used for data reporting shall correspond to the averaging period for each respective emission standard); corrective actions taken and preventive measures adopted; applicable time and date of each period during a 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] Federally Enforceable Through Title V Permit
16. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. The sampling ports shall be located upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
17. Compliance demonstration (source testing) shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
18. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (as amended December 16, 1993). [District Rule 1081] 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.

19. The container glass pull rate from furnace #1 shall not exceed either of the following limits: 450 U.S. short tons per day or 157,680 U.S. short tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Except during idling, start-up, or shutdown, emissions rates from this unit shall not exceed any of the following limits: 0.8 lb-SO_x/ton of container glass pulled, 300 ppmv CO @ 8% O₂, or 20 ppmv VOC @ 8% O₂. SO_x emissions limit is based on a 24 hour rolling average. CO and VOC emissions limits are based on a three hour rolling average. [District Rules 2201 and 4354, 5.1 and 5.1.1] Federally Enforceable Through Title V Permit
21. NO_x, CO, and VOC emissions during idling shall not exceed the emissions limits as calculated using the following equation: NO_x, CO, or VOC (lb/day) = (Applicable Tier 1 or Tier 2 emission limit (in lbs/ton)) x (Furnace permitted production capacity (in tons/day)). [District Rule 4354, 5.4.2] Federally Enforceable Through Title V Permit
22. Emissions from this furnace shall not exceed either of the following limits: 554.4 lb-CO/day or 21.6 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Except during idling, start-up, or shutdown, NO_x emissions from this furnace shall not exceed 4.0 lbs/ton of glass produced, on a 24 hour block average basis. [District Rules 2201 and 4354, 5.1] Federally Enforceable Through Title V Permit
24. The permittee shall operate and maintain the electrostatic precipitator (ESP) system to reduce particulate emissions to 0.2 pounds of particulate per ton of glass pulled, using EPA Method 5 as set forth in 40 C.F.R. Part 60, Appendix A, and 0.45 pounds of particulate per ton of glass pulled, using the combined results of EPA Methods 5 and 202 as set forth in 40 C.F.R. Part 60, Appendix A. [District Rule 2201 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
25. Monitoring of the ESP shall comply with the requirements of 40 CFR. Part 64. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
26. The ESP shall be operated at a secondary voltage of at least 12 kV. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
27. The ESP secondary voltage shall be monitored and recorded two times during every eight hours of operation. [District Rule 2520, 9.3.2 and 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit
28. If the monitored ESP secondary voltage is below the minimum allowable voltage, the permittee shall return the voltage to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the ESP secondary voltage readings continue to be below the allowable range after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100 (as amended December 17, 1992), the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 2520, 9.5 and 40 CFR 64] Federally Enforceable Through Title V Permit
29. The permittee shall operate and maintain the semi-dry scrubber system to reduce SO_x emissions by at least 85%, excluding days when the scrubber inlet's daily average concentration of SO₂ is 353 ppm_{dv} or less, in which case the scrubber outlet's daily average concentration of SO₂ shall be reduced to at least 53 ppm_{dv}, except during periods of scheduled or preventative maintenance. The averaging period for the reduction efficiency shall be calculated on a rolling 30-day average basis, excluding days when the scrubber inlet's daily average concentration of SO₂ is 353 ppm_{dv} or less. Compliance with the SO_x reduction efficiency and daily concentration standard shall be demonstrated by the combined ductwork scrubber inlet and downstream of the control equipment outlet SO₂ continuous concentration monitoring. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.b, issued June 22, 2005] Federally Enforceable Through Title V Permit
30. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

31. Certification of the continuous opacity monitoring system (COMS) shall be demonstrated by meeting the requirements of 40 CFR Part 60.13 and 40 CFR Part 60, Appendix B, Performance Specification 1. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.b.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
32. Source testing to measure NO_x, CO, and VOC emissions shall be conducted once every calendar year, but no more than every 18 months and not sooner than every 6 months. [District Rules 2201 and 4354, 6.4] Federally Enforceable Through Title V Permit
33. Source testing to measure SO_x and PM₁₀ emissions shall be conducted at the outlet of the combined furnace #1 and furnace #2 ductwork once every calendar year, but no more than every 18 months and not sooner than every 6 months. [District Rule 2201] Federally Enforceable Through Title V Permit
34. Source testing shall be conducted using the following test methods: NO_x (heat input basis) - USEPA Method 19, NO_x (ppmv) - USEPA Method 7E or CARB Method 100; CO (ppmv) - USEPA Method 10 or CARB Method 100; VOC (ppmv) - USEPA Method 25A, expressed in terms of carbon; Stack gas oxygen, carbon dioxide, excess air and dry molecular weight - USEPA Method 3 or 3A, or CARB Method 100; Stack gas velocity and volumetric flow rate - USEPA Method 2; SO_x - USEPA Method 8 or CARB Method 100; PM₁₀ - EPA methods 201 and 202, or EPA methods 201A and 202, or CARB method 501 in conjunction with CARB method 5. In lieu of performing a source test for PM₁₀, the results of CARB Method 5 or EPA Methods 5 and 8 may be used for compliance with the PM₁₀ emissions limit. If this option is used, then all of the particulate emissions will be considered to be PM₁₀. [District Rules 1081, 2520, 9.3.2, and 4354, 6.4 and 6.5.1] Federally Enforceable Through Title V Permit
35. Source 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
36. Compliance testing for particulate shall be conducted at the outlet of the combined furnace #1 and furnace #2 ductwork in accordance with USEPA Reference Methods 1, 2, 5, and 202 as set forth in 40 CFR Part 60, Appendix A. Each test shall consist of three runs. The sampling time and volume for each run shall be at least 60 minutes and 31.8 dry standard cubic feet. Thereafter, compliance testing of particulate matter shall be conducted on an annual basis within 60 days of the anniversary date of the latest compliance testing. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.b.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
37. Commercial arsenic shall not be used as a raw material in this glass furnace. This prohibition is required for continued exemption from the requirements of 40 CFR 61, Subpart N. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
38. Idling is defined as the operation of the furnace at less than 25% of the permitted production capacity or fuel use capacity as stated on the Permit to Operate. [District Rule 4354, 3.9] Federally Enforceable Through Title V Permit
39. Shutdown shall mean the period of time during which the glass melting furnace is purposely allowed to cool from its operating temperature and molten glass is removed from the tank for the purpose of a furnace rebuild or reconstruction, or during a natural gas curtailment, or, subject to EPA's approval, when it is commercially necessary. [District Rule 4354, 3.9 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.y, issued June 22, 2005] Federally Enforceable Through Title V Permit
40. Start-up shall mean the period of time, after initial construction, a furnace rebuild, or a shutdown, during which the glass melting furnace is heated to operating temperature by the primary furnace combustion systems, and systems and instrumentation are brought to stabilization and calibrated. [District Rule 4354, 3.22 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.z, issued June 22, 2005] Federally Enforceable Through Title V Permit
41. An operating log shall be maintained that includes: on a monthly basis, the total hours of operation, the type and quantity of fuel used, and the quantity of glass pulled. Permittee shall also maintain records of source tests and operating parameters established during initial source test, maintenance and repair, malfunction, and idling, start-up, and shutdown. All records shall be maintained on the premises for a period of at least five years and shall be made available for District 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.

42. The permittee shall maintain the following records: Daily records of total hours of operation, type and quantity of fuel used, quantity of glass pulled, and NOx emission rate (lb/ton of glass pulled). Records of source tests and operating parameters established during initial source test, maintenance and repair, malfunction, and idling, start-up, and shutdown. All records shall be maintained on the premises for a period of at least five years and shall be made available for District inspection upon request. [District Rules 2201 and 4354, 6.3.2] Federally Enforceable Through Title V Permit
43. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), District Rule 4354 (as amended February 21, 2002), and District Rule 4801 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. The requirements of District Rule 4301 (as amended December 17, 1992) were determined to not apply to this unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
45. The requirements of 40 CFR 61, Subpart N were determined to not apply to this unit. A permit shield is granted from this requirement. [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-801-2-9

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

85 MMBTU/HR (APPROXIMATELY) GLASS OXY-FUEL FIRED FURNACE #2 (SOUTH) WITH 3,600 KVA OF ELECTRIC BOOST AND (2) TWO PRODUCTION LINES (ONE WITH A 16 INDIVIDUAL SECTION (IS) FORMING MACHINE ONE WITH A 20 INDIVIDUAL SECTION (IS) FORMING MACHINE) WITH A MCGILL AIRCLEAN MODEL 3-700 SEMI-DRY SCRUBBER/ESP SYSTEM (COMMON TO FURNACE #1), A CONTINUOUS OPACITY MONITORING SYSTEM (COMS), A NOX CONTINUOUS EMISSIONS RATE MONITORING SYSTEM (CERMS), AND A SOX CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Particulate matter emissions shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
3. 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 (12/17/92), 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
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1]
5. The new exhaust system for furnaces #1 and #2 shall be designed, installed, and maintained according to good engineering practices, including minimizing dilution air in the stack exhaust stream prior to measurement of opacity. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.a, issued June 22, 2005] Federally Enforceable Through Title V Permit
6. The permittee shall maintain and operate this oxy-fuel furnace such that the combustion oxidant is at least 90% oxygen. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.a.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
7. The permittee shall maintain and operate staged combustion low NO_x oxy-fuel burners on this furnace. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.a.iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
8. The permittee shall install a fused cast crown on this oxy-fuel furnace. The permittee shall maintain the fused cast crown for the life of the oxy-fuel furnace unless it can show, at the time of any necessary repairs to the fused cast crown, that the fused cast crown has proven technically or economically infeasible to maintain. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.a.v, issued June 22, 2005] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: SAINT-GOBAIN CONTAINERS, INC
Location: 24441 AVENUE 12 & ROAD 24 1/2, MADERA, CA 93637
C-801-2-9: Apr 13 2011 9:29AM - AHABEJ

9. Furnace shutdown shall not exceed 20 days, measured from the time furnace operations drop below the idle threshold specified in Section 3.9 of District Rule 4354 (as amended February 21, 2002) to when all emissions from the furnace cease. [District Rule 4354, 5.3.1 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.f.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
10. During the shutdown period, the emission control systems shall be in operation as soon as technologically feasible to minimize emissions. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.f.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
11. The emission control systems shall be in operation at all times during normal operations, and whenever technologically feasible including during startup, idling, transition, and shutdown conditions. [District Rule 4354, 5.2.3, 5.3.2, 5.4.1 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.g.iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
12. Scheduled or preventative maintenance of the emission control systems shall only occur during idling or after shutdown. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.g.v, issued June 22, 2005] Federally Enforceable Through Title V Permit
13. When a malfunction of this oxy-fuel furnace or any of the air pollution equipment occurs, the permittee shall attempt to repair the malfunction as soon as practicable, but in no event longer than 12 hours. Off-shift labor and overtime must be utilized, to the extent practicable, to ensure that such repairs are made expeditiously. If after 12 hours, the malfunction is not correct, the oxy-fuel furnace must be taken to idling within 12 additional hours. Malfunction shall mean a sudden and unavoidable failure or breakdown of air pollution control equipment that: (a) is caused by circumstances beyond the control of the owner and/or operator; (b) is not the result of intent, neglect, or disregard of air pollution control laws, rules or regulations; (c) is not the result of improper maintenance; and (d) is not an excessively recurrent breakdown of the same equipment. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.h, issued June 22, 2005] Federally Enforceable Through Title V Permit
14. The furnace shall be equipped with a continuous emission monitoring system (CEMS) for CO and O₂. This CEM shall be located in the duct for furnace #2 upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. [District Rule 4354, 5.8 and 6.6 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
15. The furnace shall be equipped with a continuous emissions rate monitoring system (CERMS) for NO_x. This CERMS shall be located in the duct for furnace #2 upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. [District Rule 4354, 5.8 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
16. The common exhaust stack for furnaces #1 and #2 shall be equipped with a continuous opacity monitoring system (COMS) downstream of the control equipment. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 60.13 and 40 CFR part 60 Appendix B (Performance Specification 1), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 1080 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
17. The common exhaust stack for furnaces #1 and #2 shall be equipped with a continuous emission monitor (CEM) for SO_x at the inlet of the scrubber and downstream of the control equipment. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 51, 40 CFR parts 60.7 and 60.13, 40 CFR part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures), and applicable sections of Rule 1080 (Stack Monitoring) (as amended December 17, 1992). [District Rule 1080 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005]
18. Continuous emissions monitor(s) shall meet the requirements of 40 CFR part 51, 40 CFR parts 60.7 and 60.13, 40 CFR part 60 Appendix B (Performance Specifications) and Appendix F (Quality Assurance Procedures), and applicable sections of Rule 1080 (Stack Monitoring). [District Rule 4354, 5.8 and 6.6 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
19. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

20. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
21. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080] Federally Enforceable Through Title V Permit
22. The owner/operator shall perform a relative accuracy test audit (RATA) as specified by 40 CFR Part 60, Appendix F, 5.1.1 at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
23. Audits of continuous emission monitors shall be conducted quarterly, except during quarters in which relative accuracy and compliance source testing are both performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
24. Permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
25. Permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions; nature and cause of excess (averaging period used for data reporting shall correspond to the averaging period for each respective emission standard); corrective actions taken and preventive measures adopted; applicable time and date of each period during a 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] Federally Enforceable Through Title V Permit
26. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NO_x, CO, and O₂ analyzer during District inspections. The sampling ports shall be located upstream of the point where furnace #1 and furnace #2 emissions merge into a common duct. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
27. Compliance demonstration (source testing) shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
28. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (as amended December 16, 1993). [District Rule 1081] Federally Enforceable Through Title V Permit
29. Annual emissions from this furnace shall not exceed either of the following limits: 252,473 lb-NO_x/year, 95,618 lb-PM₁₀/year, and 36,593 lb-VOC/year on a twelve (12) month rolling average. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Compliance with the Annual Emission Limits for NO_x, PM₁₀, and VOC will be demonstrated utilizing the following calculation procedure: Annual Emissions (lb/year) = (a x b), where a = annual container glass pull rate (tons/year, based on a 12-month rolling average) and b = [for NO_x: CEMS reading] [for PM₁₀ and VOC: average source test emission factor (lb/ton of container glass pulled, based on source tests performed in the previous 12 months)]. [District Rule 2201] Federally Enforceable Through Title V Permit
31. The container glass pull rate from furnace #2 shall not exceed 600 U.S. short tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

32. Except during idling, transition, start-up, or shutdown, emissions rates from this unit shall not exceed any of the following limits: 0.8 lb-SO_x/ton of container glass pulled, 300 ppmv CO @ 8% O₂, or 20 ppmv VOC @ 8% O₂ or 0.2 lb-VOC/ton of container glass pulled. SO_x emissions limit is based on a 24 hour rolling average. CO and VOC emissions limits are based on a three hour rolling average. [District Rules 2201 and 4354, 5.1 and 5.1.1] Federally Enforceable Through Title V Permit
33. Emissions from this furnace shall not exceed 120.0 lb-CO/day (equivalent to 0.2 lb-CO/ton of container glass pulled). [District Rule 2201] Federally Enforceable Through Title V Permit
34. Except during idling, transition, start-up, or shutdown, NO_x emissions from this furnace shall not exceed 1.3 lbs/ton of glass produced, on a 24 hour block average basis. [District Rules 2201 and 4354, 5.1, and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.a.i and ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
35. The NO_x emission rate measured by the CERMS in pounds per hour shall be converted to pounds of NO_x per ton of glass pulled according to the following equation: NO_x emissions rate (lbs-NO_x/ton of glass pulled) = [NO_x CERMS (lbs-NO_x/hr)] / [glass pull rate (tons of glass pulled/hr)]. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.d, issued June 22, 2005] Federally Enforceable Through Title V Permit
36. During idling and transition, NO_x emissions from this oxy-fuel furnace (calculated as a block 24-hour period) shall not exceed 780.0 pounds per day. NO_x emissions shall be determined by the NO_x and flow monitoring required by this permit. When idling or a transition occurs for less than 24 hours in a day, this NO_x emission limit shall apply and NO_x emissions from 12:00 a.m. through 11:59 p.m. on that day shall be included in the calculation of the total daily NO_x emissions. [District Rule 4354, 5.4.2 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Sections V.12.g.i and V.12.g.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
37. This oxy-fuel furnace shall have no more than six transitions during any calendar year. Once a transition begins, production must exceed 50% of the permitted production capacity or be less than 25% of the permitted production capacity for at least 24 hours before another transition can be initiated. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.g.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
38. CO and VOC emissions during idling shall not exceed the emissions limits as calculated using the following equation: NO_x, CO, or VOC (lb/day) = (Applicable Tier 1 or Tier 2 emission limit (in lbs/ton)) x (Furnace permitted production capacity (in tons/day)). [District Rule 4354, 5.4.2] Federally Enforceable Through Title V Permit
39. The permittee shall operate and maintain the electrostatic precipitator (ESP) system to reduce particulate emissions to 0.2 pounds of particulate per ton of glass pulled, using EPA Method 5 as set forth in 40 C.F.R. Part 60, Appendix A, and 0.45 pounds of particulate per ton of glass pulled, using the combined results of EPA Methods 5 and 202 as set forth in 40 C.F.R. Part 60, Appendix A. [District Rule 2201 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.c.i, issued June 22, 2005] Federally Enforceable Through Title V Permit
40. Monitoring of the ESP shall comply with the requirements of 40 CFR Part 64. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.c.iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
41. The ESP shall be operated at a secondary voltage of at least 12 kV. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
42. The ESP secondary voltage shall be monitored and recorded two times during every eight hours of operation. [District Rule 2520, 9.3.2 and 9.4 and 40 CFR 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

43. If the monitored ESP secondary voltage is below the minimum allowable voltage, the permittee shall return the voltage to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the ESP secondary voltage readings continue to be below the allowable range after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100 (as amended December 17, 1992), the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 2520, 9.5 and 40 CFR 64] Federally Enforceable Through Title V Permit
44. The permittee shall operate and maintain the semi-dry scrubber system to reduce SO_x emissions by at least 85%, excluding days when the scrubber inlet's daily average concentration of SO₂ is 353 ppmdv or less, in which case the scrubber outlet's daily average concentration of SO₂ shall be reduced to at least 53 ppmdv, except during periods of scheduled or preventative maintenance. The averaging period for the reduction efficiency shall be calculated on a rolling 30-day average basis, excluding days when the scrubber inlet's daily average concentration of SO₂ is 353 ppmdv or less. Compliance with the SO_x reduction efficiency and daily concentration standard shall be demonstrated by the combined ductwork scrubber inlet and downstream of the control equipment outlet SO₂ continuous concentration monitoring. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.12.b, issued June 22, 2005] Federally Enforceable Through Title V Permit
45. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
46. Commercial arsenic shall not be used as a raw material in this glass furnace. This prohibition is required for continued exemption from the requirements of 40 CFR 61, Subpart N. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
47. Idling is defined as the operation of the furnace at less than 25% of the permitted production capacity or fuel use capacity as stated on the Permit to Operate. [District Rule 4354, 3.9] Federally Enforceable Through Title V Permit
48. Transition shall mean a period of no more than 24 hours in duration when the operation of the oxy-fuel furnace is at less than 50% but more than 25% of the permitted production capacity. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.aa, issued June 22, 2005] Federally Enforceable Through Title V Permit
49. Start-up shall mean the period of time, after initial construction, a furnace rebuild, or a shutdown, during which the glass melting furnace is heated to operating temperature by the primary furnace combustion systems, and systems and instrumentation are brought to stabilization and calibrated. [District Rule 4354, 3.22 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.z, issued June 22, 2005] Federally Enforceable Through Title V Permit
50. Shutdown shall mean the period of time during which the glass melting furnace is purposely allowed to cool from its operating temperature and molten glass is removed from the tank for the purpose of a furnace rebuild or reconstruction, or during a natural gas curtailment, or, subject to EPA's approval, when it is commercially necessary. [District Rule 4354, 3.9 and USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section III.y, issued June 22, 2005] Federally Enforceable Through Title V Permit
51. Compliance testing for particulate shall be conducted at the outlet of the combined furnace #1 and furnace #2 ductwork in accordance with USEPA Reference Methods 1, 2, 5, and 202 as set forth in 40 CFR Part 60, Appendix A. Each test shall consist of three runs. The sampling time and volume for each run shall be at least 60 minutes and 31.8 dry standard cubic feet. Thereafter, compliance testing of particulate matter shall be conducted on an annual basis within 60 days of the anniversary date of the latest compliance testing. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.b.ii, issued June 22, 2005] Federally Enforceable Through Title V Permit
52. Source testing to measure NO_x, CO, and VOC emissions shall be conducted once every calendar year, but no more than every 18 months and not sooner than every 6 months. [District Rules 2201 and 4354, 6.4] 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.

53. Source testing to measure SO_x and PM₁₀ emissions shall be conducted at the outlet of the combined furnace #1 and furnace #2 ductwork once every calendar year, but no more than every 18 months and not sooner than every 6 months. [District Rule 2201] Federally Enforceable Through Title V Permit
54. Source testing shall be conducted using the following test methods: NO_x (heat input basis) - USEPA Method 19, NO_x (ppmv) - USEPA Method 7E or CARB Method 100; CO (ppmv) - USEPA Method 10 or CARB Method 100; VOC (ppmv) - USEPA Method 25A, expressed in terms of carbon; Stack gas oxygen, carbon dioxide, excess air and dry molecular weight - USEPA Method 3 or 3A, or CARB Method 100; Stack gas velocity and volumetric flow rate - USEPA Method 2; SO_x - USEPA Method 8 or CARB Method 100; PM₁₀ - EPA methods 201 and 202, or EPA methods 201A and 202, or CARB method 501 in conjunction with CARB method 5. In lieu of performing a source test for PM₁₀, the results of CARB Method 5 or EPA Methods 5 and 8 may be used for compliance with the PM₁₀ emissions limit. If this option is used, then all of the particulate emissions will be considered to be PM₁₀. [District Rules 1081, 2520, 9.3.2, and 4354, 6.4 and 6.5.1] Federally Enforceable Through Title V Permit
55. Source 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
56. Certification of the continuous opacity monitoring system (COMS) shall be demonstrated by meeting the requirements of 40 CFR Part 60.13 and 40 CFR Part 60, Appendix B, Performance Specification 1. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.13.b.iii, issued June 22, 2005] Federally Enforceable Through Title V Permit
57. An operating log shall be maintained that includes: on a monthly basis, the total hours of operation, the type and quantity of fuel used, and the quantity of glass pulled. Permittee shall also maintain records of source tests and operating parameters established during initial source test, maintenance and repair, malfunction, and idling, start-up, and shutdown. All records shall be maintained on the premises for a period of at least five years and shall be made available for District inspection upon request. [District Rule 4354, 6.3.1] Federally Enforceable Through Title V Permit
58. The permittee shall maintain the following records: Daily records of total hours of operation, type and quantity of fuel used, quantity of glass pulled, and NO_x emission rate (lb/ton of glass pulled). Records of source tests and operating parameters established during initial source test, maintenance and repair, malfunction, and idling, start-up, and shutdown. All records shall be maintained on the premises for a period of at least five years and shall be made available for District inspection upon request. [District Rules 2201 and 4354, 6.3.2] Federally Enforceable Through Title V Permit
59. The permittee shall maintain the following information recorded in a permanent form, which may include electronic files, suitable for inspection: A file of all continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 60, Appendices A, B, and F; Operating logs that contain the following data on a daily basis: hours of operation, glass pull rate (in tons of glass pulled), type and quantity of fuel used, NO_x emissions (in pounds of NO_x per ton of glass pulled, calculated on a block 24-hour average), percent cullet used, electric boost used (in kilowatt-hours), oxygen quantity, and oxygen content of the combustion oxidant for the oxy-fuel furnace. The logs shall indicate periods of idling, transition, start-up, and shutdown, as well as any periods of maintenance, repair, or malfunction that affect the levels of emissions. This information, including all electronic files, shall be recorded and maintained until this oxy-fuel furnace is rebuilt, reconstructed, or ceases operation. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Sections V.14.a and V.14.b, issued June 22, 2005] Federally Enforceable Through Title V Permit
60. During idling and transition periods the permittee shall maintain a log that includes the following data on a daily basis: hours in idling or transition, glass pull rate (in tons of glass pulled), and pounds of NO_x emitted (calculated as a block 24-hour period). [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section V.14.c, issued June 22, 2005] 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.

61. Until termination of the Consent Decree, a copy of the operating logs, including all electronic files, for the oxy-fuel furnace required to be maintained by the Consent Decree shall be submitted to the District and EPA on an annual basis on or before March 1 each year pursuant to Section XIV (Notices) of the Consent Decree. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Section VII.25.b, issued June 22, 2005] Federally Enforceable Through Title V Permit
62. Within 30 days after the end of each calendar-year quarter (i.e., by April 30, July 30, October 30, and January 30), the permittee shall submit to USEPA and the District a "Quarterly Excess Emissions, CERMS, CEMS, and COMS Report" that conforms to the format set forth in 30 CFR Part 60.7(c) and includes the following: The magnitude of excess emissions, computed in accordance with 40 CFR Part 60.13(h), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions; Specific identification of each period of excess emissions that occur during idling, start-ups, shutdowns, and malfunctions, together with the nature and cause of any malfunction (if known) and the corrective action taken or preventative measure adopted; The date and time identifying each period during which the continuous monitoring system was inoperative (except zero and span checks) and the nature of the system repairs or adjustments; and When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report. [USEPA Consent Decree No. 1:05-CV-00516-REC-SMS, Sections V.14.d.i-iv, issued June 22, 2005] Federally Enforceable Through Title V Permit
63. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), District Rule 4354 (as amended February 21, 2002), and District Rule 4801 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
64. The requirements of District Rule 4301 (as amended December 17, 1992) were determined to not apply to this unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
65. The requirements of 40 CFR 61, Subpart N were determined to not apply to this unit. A permit shield is granted from this requirement. [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-801-3-6

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

RAW MATERIAL HANDLING INCLUDING UNLOADING, BATCH WEIGHING AND MIXING, AND MIXED BATCH STORAGE SERVED BY DCE DALAMATIC DU 45-R-F12, DONALDSON TORIT DOWNFLO MODEL #DFO 2-16, DONALDSON TORIT MODEL #100 PJD-8, AND TWO DU 10H-FS DUST COLLECTORS

PERMIT UNIT REQUIREMENTS

1. Visible emissions from each baghouse shall not exceed 5% opacity for a period of periods aggregating more than three minutes in any one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Material removed from each dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Each baghouse shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The cleaning frequency and duration for each baghouse shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading range for each baghouse shall be established per manufacturer's recommendation at time of start up inspection. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The amount of mixed batch material produced shall not exceed 1,197 tons per day. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The amount of mixed batch material produced shall not exceed 422,233 tons per year. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Controlled PM10 emissions from the unloading and conveying operations shall not exceed 0.003 lb/ton of batch material produced. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Controlled PM10 emissions from the mixing and weighing operations shall not exceed 0.0006 lb/ton of batch material produced. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Controlled PM10 emissions from the storage bins shall not exceed 0.0002 lb/ton of batch material produced. [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.

15. Differential operating pressure for each baghouse shall be monitored and recorded on each day that the baghouse operates. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Records of daily production of mixed batch material shall be maintained and made available for District inspection upon request. [District Rules 1070 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
19. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 (as amended December 17, 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
20. Dust collector filters for each baghouse shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Dust collector filters for each baghouse shall be inspected monthly 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
22. Records of dust collector maintenance, inspections, and repair for each baghouse shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Visible emissions from each baghouse shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-4-2

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

47 HP MOLD REPAIR SHOP DEPARTMENT INCLUDING NINE GRINDERS, TWO LATHES, AND SPRAY WELDER SERVED BY TORIT MODEL PIC-1080-6 55 BAGHOUSE DUST COLLECTOR WITH PULSE JET CLEANING.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 (as amended December 17, 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
5. Dust collector filters shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Dust collector filters shall be inspected monthly 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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-5-7

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

TEN 544,349 GALLON TOTAL CAPACITY RAW MATERIAL STORAGE BINS SERVED BY EIGHT FLEX KLEEN AND TWO TORIT BIN VENT FILTERS WITH A BATCH WEIGH SCALE, A CULLET WEIGHT SCALE, AND AN ENCLOSED CONVEYOR ALL SERVED BY A TORIT MODEL #16PJD6 PULSE JET CARTRIDGE BAGHOUSE FED FROM THREE STORAGE BINS WITH FLEX KLEEN BIN VENTS AND ONE STORAGE BIN WITH TORIT BIN VENT

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Visible emissions from each baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The bag houses shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The baghouses cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from each baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in each baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Each baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The baghouses shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Differential operating pressure for each baghouse shall be monitored and recorded on each day that the baghouse operates. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Records of all maintenance of each baghouse, including all change outs of filter media, shall be maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Maximum glass pull-rate shall not exceed 600 U.S. short tons per day or 212,700 U.S short tons per year for furnace #2. [District NSR Rule] Federally Enforceable Through Title V Permit
13. PM10 emissions from the unloading and conveying operations serving furnace #2 shall not exceed 3.0 lb/ton of glass pulled from furnace #2. [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.

14. PM10 emissions from the mixing and weighing operations serving furnace #2 shall not exceed 0.6 lb/ton of glass pulled from furnace #2. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The permittee shall maintain daily records of the quantity of glass pulled from furnace #2. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Dust collector filters shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filters shall be inspected monthly 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
18. 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
19. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Compliance with the conditions in the permit requirements for this unit shall be deemed compliant with District Rules 4201 (as amended December 17 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
21. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr) as determined using the following formula: $E = 3.59 * P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
22. Visible emissions from each baghouse shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-6-2

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

7.25 HP TORIT MODEL SDF-4 DUST COLLECTOR SERVING MINOR INGREDIENTS WEIGH SCALE, MIXER, AND MIXER DUMP HOOD.

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 4102]
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rules 4201 (as amended December 17, 1992) and 4202 (as amended December 17, 1992); and Madera County Rule 402. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
5. Dust collector filters shall be inspected weekly while in operation for evidence of particulate matter breakthrough and replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
6. Dust collector filters shall be inspected monthly 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. Processing rate shall not exceed 2000 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Maintain records of daily processing weights. All records shall be retained and shall be made available for District inspection upon request. [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-801-7-3

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

375 HP CATERPILLAR, MODEL 3406-D1, DIESEL-FIRED IC ENGINE POWERING A 250 KW EMERGENCY GENERATOR

PERMIT UNIT REQUIREMENTS

1. 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
2. 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
3. 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
4. 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
5. 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
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 2201, 4801 and 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. 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

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 Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. 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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-11-4

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

MOLD SWABBING OPERATION INCLUDING FIVE PRODUCTION LINES WITH FIVE INDIVIDUAL SECTION (IS) FORMING MACHINES (THREE 10 INDIVIDUAL SECTION (IS) FORMING MACHINES FOR FURNACE #1 AND TWO INDIVIDUAL SECTION MACHINES, ONE WITH A 16 SECTION LINE AND ONE WITH A 20 SECTION LINE FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 17.31 \times P^{0.16}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is greater than 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
5. The permittee shall use best management practices and minimize the use of mold swabbing material (less than or = to 0.211 lb of material per ton of glass pulled) with PM10 emissions of 0.074 lb/ton of glass pulled in order to minimize PM10 emissions from this unit. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Glass throughput for this mold swabbing operation shall not exceed 1,050 U.S. short tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Glass throughput for this mold swabbing operation shall not exceed 370,380 U.S. short tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Certified personnel, pursuant to the specifications in section 3 (Qualifications and Testing) of EPA Method 9, shall inspect the roof vent stacks weekly for visible emissions, while this equipment is in operation. The inspection shall be performed, using a modified EPA Method 9, as described in the District Compliance policy, as revised 2/17/98, for Visible Emissions Evaluations. If the modified Method 9 procedure indicates exceedance of the facility-wide 20% opacity limit, the unmodified EPA Method 9 procedure, except for data reduction (section 2.5), shall be performed within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. The permittee shall maintain the following records with regards to visible emission inspections: 1) inspection test method, 2) date and time of inspection, 3) stack or emission point identification, 4) observed results and conclusions, 5) type of corrective action taken, if any to reduce visible emissions and 6) name of person(s) performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of the daily quantity of swabbing compound used in this mold swabbing operation. [District Rules 2201 and 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.

11. The permittee shall maintain records of the daily and annual container glass throughput for this mold swabbing operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
12. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
13. District Rule 4201 (as amended December 17, 1992) has been determined not to be applicable to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4202 (as amended December 17, 1992). A permit shield is granted from this requirement. [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-801-12-4

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

HOT END BOTTLE COATING OPERATION INCLUDING FIVE COATING LINES (THREE FOR FURNACE #1 AND TWO FOR FURNACE #2) WITH FIVE COATING UNITS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. 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 I or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 17.31 \times P^{0.16}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is greater than 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
5. Emissions from this hot end bottle treatment operation shall not exceed 0.018 lb-PM10/ton of glass pulled. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Glass throughput for this hot end bottle treatment operation shall not exceed 1,050 U.S. short tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Glass throughput for this hot end bottle treatment operation shall not exceed 370,380 U.S. short tons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Records shall be maintained such that daily quantities of coating material consumption can be determined. Such records shall be retained and shall be made available for inspection by District staff upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. Certified personnel, pursuant to the specifications in section 3 (Qualifications and Testing) of EPA Method 9, shall inspect the roof vent stacks weekly for visible emissions, while this equipment is in operation. The inspection shall be performed, using a modified EPA Method 9, as described in the District Compliance policy, as revised 2/17/98, for Visible Emissions Evaluations. If the modified Method 9 procedure indicates exceedance of the facility-wide 20% opacity limit, the unmodified EPA Method 9 procedure, except for data reduction (section 2.5), shall be performed within 24 hours. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. The permittee shall maintain the following records with regards to visible emission inspections: 1) inspection test method, 2) date and time of inspection, 3) stack or emission point identification, 4) observed results and conclusions, 5) type of corrective action taken, if any to reduce visible emissions and 6) name of person(s) performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the daily and annual container glass throughput for this hot end bottle treatment. [District Rules 2201 and 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.

12. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
13. District Rule 4201 (as amended December 17, 1992) has been determined not to be applicable to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4202 (as amended December 17, 1992). A permit shield is granted from this requirement. [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-801-17-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

CONFINED ABRASIVE BLASTING OPERATION WITH A 600 LB EMPIRE ABRASIVE EQUIPMENT CO MODEL PC-6060-RS BLASTING POT SERVED BY EM2-4 BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102] Federally Enforceable Through Title V Permit
2. The blasting operations shall be carried out in a manner to prevent any nuisances. [District Rule 4102]
3. All abrasive blasting shall be conducted in accordance with California Code of Regulations Title 17, Subchapter 6, Sections 92000 through 92540. [92000 through 92540 CCR]
4. A used certified abrasive shall not be considered certified for reuse unless the abrasive conforms to its original cut-point fineness. [92530 CCR]
5. Abrasive blasting operations conducted within the blasting cabinet shall not discharge air contaminants into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann 1 or equivalent to 20% opacity. [92200 CCR]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-19-1

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

10 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #2

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
5. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from this distributor shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
7. The permittee shall maintain records of the daily fuel use for this distributor operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
8. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-20-2

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

7.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #21/#22 (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this lehr shop shall not exceed any of the following limits: 60 ppmv NO_x @ 3% O₂ or 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 20 ppmv CO @ 3% O₂ or 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this lehr shop operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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.

Facility Name: SAINT-GOBAIN CONTAINERS, INC
Location: 24441 AVENUE 12 & ROAD 24 1/2, MADERA, CA 93637
C-801-20-2 - Apr 13 2011 9:30AM - AITABEIJ

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-21-2

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #23 AND A 6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #24 (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
4. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this lehr shop shall not exceed any of the following limits: 60 ppmv NO_x @ 3% O₂ or 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 20 ppmv CO @ 3% O₂ or 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this lehr shop operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-22-1

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] 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. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-23-1

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] 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. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-24-1

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

4.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] 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. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
6. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-25-2

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #24 (FOR FURNACE #2)

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit
4. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Compliance with the conditions in the permit requirements for this unit shall be deemed compliance with District Rule 4201 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-26-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

9.9 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this distributor shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this distributor operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-27-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #11 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-28-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

2.7 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #12 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-29-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #13 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or L.P.G backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this forehearth shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this forehearth operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-30-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #11 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this lehr shop shall not exceed any of the following limits: 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this lehr operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-31-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #12 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this lehr shop shall not exceed any of the following limits: 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this lehr operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-32-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #13 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this lehr shop shall not exceed any of the following limits: 0.073 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.015 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this lehr operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-33-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #11 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this fire polishing operation shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this fire polishing operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-34-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #12 FOR FURNACE #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. 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
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Discharge of sulfur compounds shall not exceed in concentration at the point of discharge 0.2 percent by volume calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801, 3.1] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
6. This unit shall be fired on PUC regulated natural gas or LPG backup fuel only. [District Rule 4301] Federally Enforceable Through Title V Permit
7. Emissions from this fire polishing operation shall not exceed any of the following limits: 0.10 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the daily fuel use for this fire polishing operation. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. All records required to be maintained by this permit shall be retained on-site for a period of at least five years and made 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 (as amended December 17, 1992), District Rule 4202 (as amended December 17, 1992), and District Rule 4801 (as amended December 17, 1992). 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-801-37-1

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

RAW MATERIALS HANDLING OPERATION WITH ELEVATOR AND TWO 2,880 GALLON (385 CU FT) BATCH STORAGE BINS SERVED BY A TORIT DONALDSON MODEL #TD-486 PULSE JET CARTRIDGE BAGHOUSE AND ENCLOSED WETTING SCREW CONVEYOR TO FURNACE #2

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from the 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. A spare set of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The differential pressure gauge reading range shall be established per manufacturer's recommendation at time of start up inspection. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Maximum glass pull-rate shall not exceed 600 U.S. short tons per day or 212,700 U.S. short tons per year for furnace #2. [District NSR Rule] Federally Enforceable Through Title V Permit
13. PM10 emissions from the baghouse shall not exceed 0.02 lb/ton of glass pulled from furnace #2. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The permittee shall maintain daily records of the quantity of glass pulled from furnace #2. [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.

15. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Particulate matter emissions from each source operation shall not exceed the maximum allowable emission rate (lb/hr), as determined using the following formula: $E = 3.59 \times P^{0.62}$, where E equals the maximum allowable emission rate (lb/hr) and P equals the process weight rate (tons/hr) and is less than or equal to 30 tons/hr. [District Rule 4202, 4.0] Federally Enforceable Through Title V Permit
17. Visible emissions from each baghouse shall be inspected quarterly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-801-38-1

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

240 BHP JOHN DEERE MODEL PE6068HF120 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE
POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.3.1] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. This engine shall be operated only for maintenance, testing, 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 Rule 4702, 4.3.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 4.74 g-NO_x/bhp-hr, 0.59 g-CO/bhp-hr, or 0.16 g-VOC/bhp-hr. [District NSR Rule, 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.14 g-PM₁₀/bhp-hr based on USEPA certification using ISO 8178 test procedure [District NSR Rule and 4102 and 13 CCR 2423 and 17 CCR 93115] 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, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 6.2.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. 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, 6.2.3 and 17 CCR 93115] 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-801-39-2

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

11,220 GALLON (1,500 CU FT) SODA ASH STORAGE SILO CONTROLLED WITH A MCGILL AIR CLEAN MODEL #72AVS25 PULSE JET CARTRIDGE BAGHOUSE AND ENCLOSED SCREW CONVEYOR SUPPLYING SEMI-DRY SCRUBBER (LISTED ON PERMIT C-801-1) FOR FURNACES #1 AND #2

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The baghouse shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from the 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. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from the baghouse shall not exceed 0.03125 lb/ton soda ash loaded. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Soda ash loaded shall not exceed 3.2 tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The duration of the silo truck loading shall not exceed 1 hour in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The duration of the silo truck loading shall not exceed 24 hours in any one year. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Baghouse air flow rate shall not exceed 1400 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Differential operating pressure and air flow rate shall be monitored and recorded on each day that the baghouse operates. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

16. Records of all maintenance of the baghouse, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The permittee shall maintain records of the soda ash throughput and hours of silo truck loading. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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-801-41-0

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

1,490 BHP CUMMINS MODEL #QST30-G5 NR2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] 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. 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
5. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap, roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed any of the following limits: 4.42 g-NO_x/bhp-hr, 0.51 g-CO/bhp-hr, or 0.099 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.15 g-PM₁₀/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. 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
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. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [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.

13. An emergency situation is: 1) An unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the operator, or 2) The supplying of power while maintenance or repairs are made to the primary power supply. [District Rule 4702] Federally Enforceable Through Title V Permit
14. 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
15. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] 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-801-42-1

EXPIRATION DATE: 01/31/2008

EQUIPMENT DESCRIPTION:

CONFINED ABRASIVE BLASTING OPERATION WITH A 312.14 LB CLEMCO INDUSTRIES CORPORATION MODEL PULSAR IX-P BLASTING POT SERVED BY AN INTEGRAL DUAL CARTRIDGE REVERSE PULSE DUST COLLECTOR

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The blasting operations shall be carried out in a manner to prevent any nuisances. [District Rule 4102]
3. All abrasive blasting shall be conducted in accordance with California Code of Regulations Title 17, Subchapter 6, Sections 92000 through 92540. [92000 through 92540 CCR]
4. A used certified abrasive shall not be considered certified for reuse unless the abrasive conforms to its original cut-point fineness. [92530 CCR]
5. Abrasive blasting operations conducted within the blasting cabinet shall not discharge air contaminants into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann I or equivalent to 20% opacity. [92200 CCR]

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

Saint-Gobain Containers, Inc.
Facility ID: C-801
Project #: C-1072785
Title V Permit Renewal

ATTACHMENT C

Detailed Facility List

Detailed Facility Report
For Facility=801 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

SAINT-GOBAIN CONTAINERS, INC 24441 AVENUE 12 & ROAD 24 1/2 MADERA, CA 93637	FAC #	C 801	TYPE:	TitleV	EXPIRE ON:	01/31/2015
	STATUS:	A	TOXIC ID:	40152	AREA:	1 /
	TELEPHONE:				INSP. DATE:	08/12

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-801-1-13	75,000 kBtu/hr furnace	3020-02 H	1	1,030.00	1,030.00	A	75 MMBTU/HR (APPROXIMATELY) NATURAL GAS-FIRED (WITH PROPANE BACKUP) CONTAINER GLASS MELTING FURNACE #1 (NORTH) WITH COMBUSTION TEC LOW NOX BURNERS, 2,000 KVA ELECTRIC BOOST, A BLOWER AIR STAGING (BAS) SYSTEM, NOX, SOX, CO AND O2 CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS), AND THREE (3) PRODUCTION LINES EACH WITH A 10 INDIVIDUAL SECTION (IS) FORMING MACHINE WITH A MCGILL AIRCLEAN MODEL 3-700 SEMI-DRY SCRUBBER/ESP SYSTEM (COMMON TO FURNACE #2), AND A CONTINUOUS OPACITY MONITORING SYSTEM (COMS)
C-801-2-10	85,000 kBtu/hr furnace	3020-02 H	1	1,030.00	1,030.00	A	85 MMBTU/HR (APPROXIMATELY) GLASS OXY-FUEL FIRED FURNACE #2 (SOUTH) WITH 3,600 KVA OF ELECTRIC BOOST AND (2) TWO PRODUCTION LINES (ONE WITH A 16 INDIVIDUAL SECTION (IS) FORMING MACHINE ONE WITH A 20 INDIVIDUAL SECTION (IS) FORMING MACHINE) WITH A MCGILL AIRCLEAN MODEL 3-700 SEMI-DRY SCRUBBER/ESP SYSTEM (COMMON TO FURNACE #1), A CONTINUOUS OPACITY MONITORING SYSTEM (COMS), A NOX CONTINUOUS EMISSIONS RATE MONITORING SYSTEM (CERMS), AND A SOX CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS)
C-801-3-7	544,349 gallons	3020-05 F	1	301.00	301.00	A	RAW MATERIAL HANDLING INCLUDING UNLOADING, BATCH WEIGHING AND MIXING, AND MIXED BATCH STORAGE SERVED BY DONALDSON MBT 81-10, DONALDSON TORIT DOWNFLO MODEL #DFO 2-16, DONALDSON TORIT MODEL #100 PJD-8, AND TWO FLEX KLEEN DUST COLLECTORS
C-801-4-3	47 HP	3020-03 B	1	117.00	117.00	A	47 HP MOLD REPAIR SHOP DEPARTMENT INCLUDING NINE GRINDERS, TWO LATHES, AND SPRAY WELDER SERVED BY TORIT MODEL PIC-1080-6 55 BAGHOUSE DUST COLLECTOR WITH PULSE JET CLEANING.
C-801-5-6	544,349 gallons	3020-05 F	1	301.00	301.00	A	TEN 544,349 GALLON TOTAL CAPACITY RAW MATERIAL STORAGE BINS SERVED BY SIX DONALDSON TORIT (TD 486) AND TWO DONALDSON TORIT POWER CORE (CPC-3) DUST COLLECTORS, ONE BATCH WEIGH SCALE, ONE CULLET WEIGHT SCALE, AND ONE ENCLOSED CONVEYOR ALL SERVED BY A DONALDSON TORIT MODEL #TD-486 PULSE JET CARTRIDGE BAGHOUSE FED FROM THREE STORAGE BINS WITH FLEX KLEEN BIN VENTS AND ONE STORAGE BIN WITH TORIT BIN VENT, AND DONALDSON TORIT MODEL #16PJD6 BAGHOUSE SERVING SILO #3 (PELLETIZED ESP DUST)
C-801-6-3	7.25 HP	3020-01 A	1	87.00	87.00	A	7.25 HP TORIT MODEL SDF-4 DUST COLLECTOR SERVING MINOR INGREDIENTS WEIGH SCALE, MIXER, AND MIXER DUMP HOOD.
C-801-7-4	375 hp IC engine	3020-10 C	1	240.00	240.00	A	375 HP CATERPILLAR, MODEL 3406-D1, DIESEL-FIRED IC ENGINE POWERING A 250 KW EMERGENCY GENERATOR

Detailed Facility Report
For Facility=801 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-801-11-5	Miscellaneous	3020-06	1	105.00	105.00	A	MOLD SWABBING OPERATION INCLUDING FIVE PRODUCTION LINES WITH FIVE INDIVIDUAL SECTION (IS) FORMING MACHINES (THREE 10 INDIVIDUAL SECTION (IS) FORMING MACHINES FOR FURNACE #1 AND TWO INDIVIDUAL SECTION MACHINES. ONE WITH A 16 SECTION LINE AND ONE WITH A 20 SECTION LINE FOR FURNACE #2)
C-801-12-5	Miscellaneous	3020-06	1	105.00	105.00	A	HOT END BOTTLE COATING OPERATION INCLUDING FIVE COATING LINES (THREE FOR FURNACE #1 AND TWO FOR FURNACE #2) WITH FIVE COATING UNITS
C-801-17-1	7.5 HP	3020-01 A	1	87.00	87.00	A	CONFINED ABRASIVE BLASTING OPERATION WITH A 600 LB EMPIRE ABRASIVE EQUIPMENT CO MODEL PC-6060-RS BLASTING POT SERVED BY EM2-4 BAGHOUSE
C-801-19-3	10,000 kBtu/hr burner	3020-02 G	1	815.00	815.00	A	10 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #2
C-801-20-3	7,000 kBtu/hr burners	3020-02 G	1	815.00	815.00	A	7.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #21/#22 (FOR FURNACE #2)
C-801-21-3	12,000 kBtu/hr burners	3020-02 G	1	815.00	815.00	A	6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #23 AND A 6.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #24 (FOR FURNACE #2)
C-801-22-2	3,000 kBtu/hr burner	3020-02 F	1	607.00	607.00	A	3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)
C-801-23-2	3,000 kBtu/hr burners	3020-02 F	1	607.00	607.00	A	3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)
C-801-24-2	4,000 kBtu/hr burners	3020-02 F	1	607.00	607.00	A	4.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH (FOR FURNACE #2)
C-801-25-3	3,000 kBtu/hr burners	3020-02 F	1	607.00	607.00	A	3.0 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #24 (FOR FURNACE #2)
C-801-26-1	9,900 kBtu/hr burners	3020-02 G	1	815.00	815.00	A	9.9 MMBTU/HR NATURAL GAS-FIRED DISTRIBUTOR FOR FURNACE #1
C-801-27-1	4,300 kBtu/hr burners	3020-02 F	1	607.00	607.00	A	4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #11 FOR FURNACE #1
C-801-28-1	2,700 kBtu/hr burners	3020-02 F	1	607.00	607.00	A	2.7 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #12 FOR FURNACE #1
C-801-29-1	4,300 kBtu/hr burners	3020-02 F	1	607.00	607.00	A	4.3 MMBTU/HR NATURAL GAS-FIRED GLASS FOREHEARTH #13 FOR FURNACE #1
C-801-30-1	5,000 kBtu/hr burners	3020-02 G	1	815.00	815.00	A	5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #11 FOR FURNACE #1
C-801-31-1	5,000 kBtu/hr burners	3020-02 G	1	815.00	815.00	A	5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #12 FOR FURNACE #1
C-801-32-1	5,000 kBtu/hr burners	3020-02 G	1	815.00	815.00	A	5.0 MMBTU/HR NATURAL GAS-FIRED LEHR SHOP #13 FOR FURNACE #1

Detailed Facility Report
For Facility=801 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-801-33-1	3,600 kBtu/hr burners	3020-02 F	1	607.00	607.00	A	3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #11 FOR FURNACE #1
C-801-34-1	3,600 kBtu/hr burners	3020-02 F	1	607.00	607.00	A	3.6 MMBTU/HR NATURAL GAS-FIRED FIRE POLISHING OPERATION #12 FOR FURNACE #1
C-801-37-2	5,760 gallon storage	3020-05 B	1	93.00	93.00	A	RAW MATERIALS HANDLING OPERATION WITH ELEVATOR AND TWO 2,880 GALLON (385 CU FT) BATCH STORAGE BINS SERVED BY A TORIT DONALDSON MODEL #TD-486 PULSE JET CARTRIDGE BAGHOUSE AND ENCLOSED WETTING SCREW CONVEYOR TO FURNACE #2
C-801-38-2	240 bhp IC engine	3020-10 C	1	240.00	240.00	A	240 BHP JOHN DEERE MODEL PE6068HF120 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP
C-801-39-3	11,200 gallons	3020-05 B	1	93.00	93.00	A	11,220 GALLON (1,500 CU FT) SODA ASH STORAGE SILO CONTROLLED WITH A MCGILL AIR CLEAN MODEL #72AVS25 PULSE JET CARTRIDGE BAGHOUSE AND ENCLOSED SCREW CONVEYOR SUPPLYING SEMI-DRY SCRUBBER (LISTED ON PERMIT C-801-1) FOR FURNACES #1 AND #2
C-801-41-1	1,490 bhp IC engine	3020-10 F	1	749.00	749.00	A	1,490 BHP CUMMINS MODEL #QST30-G5 NR2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-801-42-2	2 hp electric motor	3020-01 A	1	87.00	87.00	A	CONFINED ABRASIVE BLASTING OPERATION WITH A 312.14 LB CLEMCO INDUSTRIES CORPORATION MODEL PULSAR IX-P BLASTING POT SERVED BY AN INTEGRAL DUAL CARTRIDGE REVERSE PULSE DUST COLLECTOR
C-801-43-1	10 hp	3020-01 A	1	87.00	87.00	A	NORTH SIDE CONVEYOR ACCEPTING TRANSFER OF BATCH AND CULLET TO FURNACE #1 SERVED BY DONALDSON MODULAR TORIT (64 FTD 8)
C-801-44-1	9 hp	3020-01 A	1	87.00	87.00	A	BAG DUMP STATION SERVED BY TWO DONALDSON TD 486 DUST COLLECTORS

Number of Facilities Reported: 1

Saint-Gobain Containers, Inc.
Facility ID: C-801
Project #: C-1072785
Title V Permit Renewal

ATTACHMENT D

Template Qualification Form

Title V General Permit Template Qualification Form
for
Facility-wide Umbrella General Permit Template

District facility ID # C-801 Saint-Gobain Containers, Inc.

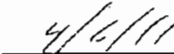
To use this template, remove this sheet and attach to application. The conditions outlined in this template will be placed on your Title V permit.

Any facility may use this facility-wide template as part of its Title V application.

Based on information and belief formed after reasonable inquiry: 1) the information on this form is true and correct and 2) the facility certifies compliance with this template's permit conditions.



Signature of Responsible Official



Date

R. T. Rosebrock, Plant Manager

Name of Responsible Official (Please Print)

Saint-Gobain Containers, Inc.
Facility ID: C-801
Project #: C-1072785
Title V Permit Renewal

ATTACHMENT E

Comments

Saint-Gobain Containers, Inc.
Facility ID: C-801
Project #: C-1072785
Title V Permit Renewal

Facility Comments

Comment 1:

Evaluation Report; p. 11: District Rule 4354 was most recently amended on May 19, 2011. The evaluation lists September 16, 2010 as the date of the most recent amendment.

District Response:

The more recent amendment of the rule was done to exempt oxy-fuel fired furnaces from having to meet a 5% excess Oxygen limit during startup, which would be impractical. This minor change has no effect on evaluation for this facility's Title V permit renewal; and no changes to the draft renewed permits are necessitated.

Comment 2:

The equipment descriptions in the proposed permits do not match the description in the most recent permit for the following units:

- a. C-801-1-13
- b. C-801-2-10
- c. C-801-3-7
- d. C-801-5-6
- e. C-801-19-3

District Response:

The equipment descriptions for the above units have been updated through minor modifications that were finalized after the draft renewed permits were logged into the permits system. The District has replaced the old equipment descriptions with the updated ones.

Comment 3:

Conditions 44 and 45 in proposed permit unit C-801-0-3 reference USEPA and District Findings and Violations which have been settled. These conditions should therefore be removed from the permit.

Saint-Gobain Containers, Inc.
Facility ID: C-801
Project #: C-1072785
Title V Permit Renewal

District Response:

These conditions require that the permit shall be revised to include the applicable terms and conditions of the consent decree or settlement agreement. The revisions, including removal of pertinent conditions, should have been done at the time of the said consent decree or settlement agreement. It is outside the scope of this renewal to verify the applicable settlement terms and conditions and determine whether it is appropriate or not to remove pertinent conditions from the permit. The applicant should submit a separate permit application to modify permit conditions relating to the consent decree and/or settlement agreement.

Comment 4:

Several conditions in proposed permits C-801-1-13 and C-801-2-10 contain references to a USEPA Consent Decree for the Madera facility which has been terminated. The conditions themselves can remain in the permit, but the source of authority should be changed to remove references to the USEPA Consent Decree for the following:

- a. Permit C-801-0-3, Conditions 5-8, 27, 32, 34, 39, 42, and 43.
- b. Permit C-801-2-10, Conditions 5-18, 35-38, 42, 43, 47, 52-54, 59, and 62-65.

District Response:

Refer to comment 3 above.

Comment 5:

Since the issuance of the last Title V permit, SGCI has signed a Global Consent Decree with USEPA with requirements for various SGCI facilities around the U.S. The only requirements of this Global Consent Decree that are currently applicable to the Madera facility are an emission limit and testing requirement for sulfuric acid mist. We request that the following language should be added to proposed permits C-801-1-13 and C-801-2-10:

Compliance with a Sulfuric Acid Mist emission limit of 1.0 pounds per ton of glass produced shall be demonstrated by a stack test performed using Conditional Test Method 13A of B on this furnace on or before December 31, 2011. Stack testing shall be required to be performed after this initial test only once during the life of the Title V permit renewal. [USEPA Consent Decree 2:10-cv-00121-TSZ, Section IV.8.n, filed 4/22/2010]

Saint-Gobain Containers, Inc.
Facility ID: C-801
Project #: C-1072785
Title V Permit Renewal

District Response:

The proposed requirement has been added to permit units C-801-1-13 and 2-10 as requested by the applicant.

Comment 6:

Some requirements from the most recent version of District Rule 4354 are either incomplete or missing from the proposed permits for Furnace 1 and Furnace 2 (C-801-1 and C-801-2):

- a. Section 5.5 (Startup Requirements)
- b. Section 5.6 (Shutdown Requirements)
- c. Section 5.7 (Idling Requirements)
- d. Section 8 (Calculations)

District Response:

Updated startup, shutdown, idling, and calculation requirements in Rule 4354 were erroneously omitted from the draft renewed permit. The requirements have been added to the draft permits. The updated requirements are included in conditions 21, 43, 45, and 46 per permit unit C-801-1-13 and conditions 37, 52, 54, and 56 for permit unit C-801-2-10.

Comment 7:

Proposed permits C-801-1-13 and C-801-2-10 require daily recordkeeping of parametric monitoring done for Rule 4354 compliance. SGCI has submitted two monitoring plans (one for CO and VOC and one for PM10 and SO₂), as required by Rule 4354. To date, we have not received a response from the District about either of these monitoring plans. The Title V permit should incorporate these plans as an attachment, to clarify what monitoring is required for compliance with Rule 4354.

District Response:

The parametric monitoring plans are currently being reviewed under a separate project. Because of the level of review required, it is not practical to incorporate the parametric monitoring plans into the Title V permit renewal.

Comment 8:

Condition 33 of proposed permit C-801-2-10 (for Furnace 2) contains limits of 300 ppmv CO and 20 ppmv VOC. These are the Rule 4354 limits for 100% air

Saint-Gobain Containers, Inc.
Facility ID: C-801
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Title V Permit Renewal

fuel-fired furnaces, but Furnace 2 is an oxy-fuel fired furnace. So, the applicable emission limits from Rule 4354 are 1.0 lb/ton CO and 0.25 lb/ton VOC. We request that the proposed Title V permit should be revised accordingly.

District Response:

The concentration-based emission limits for CO and VOC have been removed as they are not applicable to this oxy-fuel fired permit unit. The existing permit limits of 0.2 lb-CO/ton and 0.2 lb-VOC/ton. Both limits are NSR (Rule 2201) limits and are below the Rule 4354 limits of 1.0 lb-CO/ton and 0.25 lb-VOC/ton. The removal of the concentration-based limits has no effect on emission since the NSR evaluation for the permit unit was based on the lb/ton emission limits mentioned.

Comment 9:

Condition 3 in proposed permits C-801-1-13 and C-801-2-10 contains opacity limits for the furnaces. Since compliance with these limits is determined on a continuous basis using a Continuous Opacity Monitoring System (COMS), we obtain a variance every year from these limits in order to perform annual maintenance on our Electrostatic Precipitator (ESP). In order to avoid having to go through this process each year, we request an allowance for exceedances of the furnace opacity limits during ESP maintenance periods.

District Response:

District Rule 4101 does not provide any relevant exemption which could be used for the requested exceedance allowance during ESP maintenance.

Comment 10:

Condition 11 of proposed permit C-801-39-3 limits soda ash loading to 3.2 tons/day. Our application for this permit requested soda ash loading up to 1,150 tons/year, and we estimated approximately 12 deliveries per year (which works out to 95.8 tons per delivery). So, we believe that the intent of the 3.2 tons/day limit was that this should be calculated on an annual average, since it appears to represent our annual loading rate of 1,150 tons/year divided by 365 days/year. We request that the Title V permit should clarify that the compliance with the limit of 3.2 tons/day should be determined as an annual average. We do not believe this has any effect on emissions, since PM10 emissions from the soda ash silo are calculated using the silo baghouse exhaust flowrate and a grain loading value.

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District Response:

The District concurs that the 3.2 tons/day limit has no effect on daily emissions. According to NSR project #C-1081260, daily emission are calculated based on the grain loading emission limit, the maximum air flowrate, and the maximum allowed loading time per day (conditions 1, 12, and 14). Moreover, the 3.2 tons/day limit conflicts with condition 12, which allows a maximum of one (1) hour per day for silo loading. In all likelihood, considerably much more than 3.2 tons of soda ash can be pumped into a silo in a period of one hour. The District therefore concurs with the applicant that the 3.2 tons/day limit represents an annual average. Since this limit is redundant and has no effect on daily emissions, the clarification requested by the applicant should be considered to be of an administrative nature with no NSR implications. The District has therefore made the clarification as requested by the applicant.

Comment 11:

Condition 19 of proposed permit C-801-1-13 (furnace 1) contains a glass pull rate limit of 157,680 tons/year. We request clarification on whether this limit should be calculated on a calendar year basis, or on a rolling basis, such as a rolling 12-month limit.

District Response:

The subject permit condition was added through ATC 1-6, which was issued on September 18, 2003. At that time, annual limits were based on a calendar year. Since there has been no NSR modification of this limit since then, the calendar year basis remains in effect.

Comment 12:

In 2008, the District re-issued ATC permits C-801-1-11 and C-801-2-8 for the furnaces. As part of this re-issuance, caps on annual emissions of SO_x and PM₁₀ were added to each permit. These caps limited emissions from both furnaces combined to 265,632 lbs SO_x/year and 164,719 lbs PM₁₀/year. These combined annual emission caps appear to have been left out of the current Title V permit (permits C-801-1-12 and C-801-2-9) and the proposed new Title V permit (permits C-801-1-13 and C-801-2-10). We request that these limits should be restored to the new Title V permit.

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District Response:

ATCs 1-11 and 2-8 were issued on June 16, 2006. The minor modification project to incorporate these ATCs into the Title V permit (project #C-1062505) was noticed on December 15, 2006. Subsequently, before the minor modification project was finalized, the ATCs were revised on May 5, 2008 to include the annual caps. This revision was necessitated to EPA comments on the ERC banking project associated with the modifications made through ATCs 1-11 and 2-8. Once December 8, 2010 the minor modification project was finalized, but inadvertently the revised ATC conditions were not carried through to the final PTO. Since the subject annual caps were originally added to the ATCs following EPA comments, the District concurs that they should be inserted back into the permit through this renewal.

Comment 13:

There are requirements from 40 C.F.R. 63 Subpart SSSSSS (Glass Furnace Area Source MACT) that should be added to the permits for Furnaces 1 and 2 (units 1 and 2):

- | | |
|----------------------------|--|
| a. Standards | 40 C.F.R. 63.11451, which refers to Table 1 |
| b. Performance Tests | 40 C.F.R. 63.11452 |
| c. Monitoring | 40 C.F.R. 63.11454(a), (b), (c), (f) and (g) |
| d. Continuous Compliance | 40 C.F.R. 63.11455 |
| e. Recordkeeping | 40 C.F.R. 63.11457 |
| f. MACT General Provisions | 40 C.F.R. 63.11458 |

District Response:

These MACT requirements were inadvertently omitted during the renewal. The applicable requirements have been added to the renewed PTOs as conditions 55 through 57 for permit unit C-801-1 and 74 through 76 for permit unit C-801-2.

Comment 14:

There are future requirements in 40 C.F.R. 63 Subpart ZZZZ (Engine MACT) for three engines at the facility (units 7, 38 and 41). For engines at existing area sources of HAPs, these requirements become effective on May 3, 2013, which is within the term of this Title V permit. So, we recommend that these conditions should be added to the Title V permit now with a future-effective date:

- | | |
|-------------------------|--|
| a. Compliance Dates | 40 C.F.R. 63.6595(a) and (c) |
| b. Emission Limitations | 40 C.F.R. 63.6603(a), which refers to Table 2d, #4 |
| c. General Compliance | 40 C.F.R. 63.6605 |
| d. Monitoring | 40 C.F.R. 63.6625(e), (f), an (h) |

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- e. Continuous Compliance 40 C.F.R. 63.6640, which refers to Table 6, #9
- f. Reporting 40 C.F.R. 63.6650(a) through (f)
- g. Recordkeeping 40 C.F.R. 63.6655 and 6660
- h. MACT General Provisions 40 C.F.R. 63.6665

District Response:

These MACT requirements were inadvertently omitted during the renewal. The applicable requirements have been added to the renewed PTOs as conditions 2 and 12 through 15 for permit unit C-801-7, conditions 2 and 10 through 13 for permit unit C-801-38, and conditions 2 and 15 through 18 for permit unit C-801-41.

Comment 15:

There are permits that are missing or are based on old versions in the proposed Title V permit, including the following:

- a. Permits associated with a dust collector replacement project (C-801-3-8, C-801-5-8, C-801-43-0, and C-801-44-0)
- b. Permits for two hotworks burners for checker burns (C-801-45-0 and C-801-46-0)

District Response:

Renewed permit C-801-3-7 has been revised to reflect the permit condition changes resulting from ATC 3-8, which have already been incorporated into the Title V permit through a minor modification.

Renewed permit C-801-5-6 has been revised to reflect the equipment description and permit condition changes resulting from ATC 5-8, which have already been incorporated into the Title V permit through a minor modification.

Permit units C-801-43 and C-801-44 are new units that were recently incorporated into the Title V permit through a separate minor modification project (C-1092741). These permit units are included in the final renewal package, with only change since the minor modification was finalized being the updated permit expiration date.

Permit units C-801-45-0 and C-801-46-0 are new units that have not yet been incorporated into the Title V permit. These units will be incorporated into the Title V permit through an administrative amendment application, as a separate action from the current permit renewal.

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Comment 16:

Units 19 through 34 are all natural gas-fired equipment that support the furnaces (forehearths, lehrs and distributors). All of these permits have nearly identical conditions except that some include general conditions, while some do not. There appear to be four sources of inconsistency: (1) the generic opacity limit from District Rule 4101, (2) the requirement not to cause a public nuisance from District Rule 4102, (3) the generic SO₂ limit from District Rule 4801, and (4) the requirement to maintain equipment in good operating condition from District Rule 4102. The first two of these conditions appear in the facility-wide permit C-801-0-3. So, we request that these should be removed from the permits for units 19 through 34 since they are redundant conditions. The second two should be added to the permits for units 19 through 34 that do not already include these, for consistency.

District Response:

As requested by the applicant, the permit conditions for units C-801-19 through -34 have been standardized through the following series of actions:

Generic opacity limit condition has been removed from permit units C-801-19, -22, -23, -24, -26, -27, -28, -29, -30, -31, -32, and -33. The District concurs with the applicant that this permit condition is already on the facilitywide permit unit; hence its removal from the individual permit units above is of no consequence.

Generic nuisance condition has been removed from permit units C-801-26, -27, -28, -29, -30, -31, -32, and -33. The District concurs with the applicant that this permit condition is already on the facilitywide permit unit; hence its removal from the individual permit units above is of no consequence.

The Sulfur compounds limit condition as shown permit unit C-801-19 (condition 2) has been added to permit units C-801-22, -23, -24, and -25 as requested by the applicant.

The equipment maintenance condition as shown on permit unit C-801-19 (condition 3) has been added to permit unit C-801-25 as requested by the applicant.

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Comment 17:

Please note that there are several discrepancies in the Detailed Facility List included in Attachment C. Not all permitted units are listed and some units are listed with old permit version numbers.

District Response:

The Detailed Facility List is generated automatically from the Permits Administration System (PAS) and reflects the most current list of permits at the time of generation. The list in Attachment C was generated a few months before the beginning of the permit renewal public notice period. A fresher list should have been generated closer to the beginning of the public notice period to ensure not permit updates were missed. The list also erroneously included permit units that have already been deleted. A new list has been generated and is attached.

Please also note some permit units (those that had been modified while the renewal was pending) have reverted to an older modification number (e.g. C-801-5-9 has reverted to C-801-5-6). This simply means that the Title V renewal has overwritten all existing permits, and the modification numbers that are associated with the renewal project automatically become the most current.