

Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Owens-Brockway Glass Container Inc.
Facility # A0030

Facility Address:

3600 Alameda Avenue
Oakland, CA 94601

Mailing Address:

One Michael Owens Way
Perrysburg, Ohio 43551

Responsible Official

Deon van den Berg, Plant Manager
510-436-2056

Facility Contact

Bill Boscacci
510-436-2166

Type of Facility: Glass Manufacturing Plant
Primary SIC: 3221
Product: Glass

BAAQMD Permit Division Contact:
Brenda Cabral

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jeff McKay for Jack P. Broadbent
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

January 27, 2014
Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/4/11);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 3/4/09);

SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04);

SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 01/06/10);

BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03); and

SIP Regulation 2, Rule 6 – Permits, Major Facility Review
(as approved by EPA through 6/23/95)

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on January 27, 2014 and expires on December 31, 2018. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 31, 2018, and no earlier than December 31, 2017. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after December 31, 2018.** If the permit renewal has not been issued by December 31, 2018, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance

I. Standard Conditions

- with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
 5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
 6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
 7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
 8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
 9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
 10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
 11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
 12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

I. Standard Conditions

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment that is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. Reports shall be for the following periods: July 1st through December 31st and January 1st through June 30th, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the non-compliance. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be January 1st through December 31st. The certification shall be submitted by January 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance and any other specific information required by the permit. The certification should be directed to the

I. Standard Conditions

District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

II. EQUIPMENT LIST

Table II - A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Maximum Capacity
S10	Glass Melting Furnace "C" Natural Gas Fired	External Natural Gas Combustion, Non- Premix	NA	405 tons/day, 51 MM BTU/hr max
S11	Glass Melting Furnace "D" Natural Gas Fired	External Natural Gas Combustion, Non- Premix	NA	357 tons/day, 53 MM BTU/hr max
S12	Glass Melting Furnace "E" Natural Gas Fired	External Natural Gas Combustion, Non- Premix	NA	314 tons/day, 44 MM BTU/hr max
S25	Hot End Bottle Surface Treatment	monobutyltin trichloride (MBTT)	NA	950 gals/yr
S27	Hot End Bottle Surface Treatment	monobutyltin trichloride (MBTT)	NA	950 gals/yr
S29	Hot End Bottle Surface Treatment	monobutyltin trichloride (MBTT)	NA	950 gals/yr
S30	Hot End Bottle Surface Treatment	monobutyltin trichloride (MBTT)	NA	950 gals/yr
S32	Hot End Bottle Surface Treatment	monobutyltin trichloride (MBTT)	NA	950 gals/yr
S33	Hot End Bottle Surface Treatment	monobutyltin trichloride (MBTT)	NA	950 gals/yr
S39	Raw material unloading station	Not available	NA	60 tph max
S41	Batch Mixer A	T.L. Smith	Serial #272	50 hp, 55 tons per hour
S42	Batch mixer B	T.L. Johnson	Serial #711	60 hp, 55 tons per hour
S43	Cullet crusher	Kue-Ken, Jaw Type	Model #56	110 tons/hr max
S44	Sand elevator	Batching, Gravel/Sand	NA	NA
S48	Lime storage bins	Lime	NA	NA
S50	Soda ash storage bins	Material storage	NA	4 tons/hr max
S52	Sand storage bins	Gravel / sand	NA	NA
S56	Cullet storage bins	Glass	NA	NA
S57	Ecology cullet elevator	Standard metal	NA	100 tons/hr max
S58	Salt cake storage area	Salt cake	NA	20 tons/hr max
S67	Mold repair spray booth	NA	NA	0.7 tons/hr max

II. Equipment List

Table II - A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S#	Description	Make or Type	Model	Maximum Capacity
S76	Forming machine	IS-8E Double Gob	NA	0.4 gallons lube oil per hour
S77	Forming machine	IS-6F Double Gob	NA	0.4 gallons lube oil per hour
S79	Forming machine	IS-8E Double Gob	NA	0.4 gallons lube oil per hour
S80	Forming machine	IS-6E Double Gob	NA	0.4 gallons lube oil per hour
S83	Forming machine	IS-6E Double Gob	NA	0.4 gallons lube oil per hour
S84	Forming machine	IS-6E Double Gob	NA	0.4 gallons lube oil per hour
S97	Baler	Miscellaneous Chemicals	NA	2 tons/hr max
S130	Emergency electric Generator, Natural Gas fired	Waukesha	F1197GU	188 hp
S131	Emergency Diesel Engine	Fairbanks	50A6T-6	335 hp
S132	Emergency Diesel Engine	Caterpillar	379A	610 hp
S133	Emergency Diesel Engine	Allis Chalmer	25000	369 hp
S135	Forming Machines	IS-8E Double Gob	NA	0.4 gallons lube oil per hour
S136	Hot End Bottle Surface Treatment	monobutyltin trichloride (MBTT)	NA	950 gals/yr

II. Equipment List

Table II - B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A1	Pulseflo Fabric Filter, Tin System	S25, S27, S29, S30, S32, S33, S136	BAAQMD 6-1-301 and SIP 6-301		Ringelmann 1 for ≤ 3 min/hr
		S25, S27, S29, S30, S32, S33, S136	BAAQMD 6-1-310 and SIP 6-310	1" – 9" H2O	0.15 gr/dscf
		S25, S27, S29, S30, S32, S33, S136	BAAQMD 6-1-311 and SIP 6-311	1" – 9" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
		S25, S27, S29, S30, S32, S33, S136	BAAQMD Condition #23142, part 2		0.55 lb PM/gal MBTT
A3	Corrugated Cyclone	S97	BAAQMD 6-1-301 and SIP 6-301		Ringelmann 1 for ≤ 3 min/hr
		S97	BAAQMD 6-1-310 and SIP 6-310		0.15 gr/dscf
		S97	BAAQMD 6-1-311 and SIP 6-311		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
A9	ESP	S11, S12	BAAQMD 6-1-301 and SIP 6-301		Ringelmann 1 for ≤ 3 min/hr
		S11, S12	BAAQMD 6-1-310 and SIP 6-310		0.15 gr/dscf

II. Equipment List

Table II - B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A9	ESP		BAAQMD 6-1-311 and SIP 6-311		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr (filterable particulate)
A25	Pulseflo Fabric Filter, Tin System	S25, S27, S29, S30, S32, S33, S136	BAAQMD 6-1-301 and SIP 6-301	1" – 9" H2O	Ringelmann 1 for <= 3 min/hr
		S25, S27, S29, S30, S32, S33, S136	BAAQMD 6-1-310 and SIP 6-310	1" – 9" H2O	0.15 gr/dscf
		S25, S27, S29, S30, S32, S33, S136	BAAQMD 6-1-311 and SIP 6-311	1" – 9" H2O	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr (filterable particulate)
		S25, S27, S29, S30, S32, S33, S136	BAAQMD Condition #23142, part 2		0.55 lb PM/gal MBTT
A41	Dust Collector	S41	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for <= 3 min/hr
		S41	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S41	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	4.10P ^{0.67} lb/hr, where P is process weight, ton/hr (filterable particulate)

II. Equipment List

Table II - B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A42	Dust Collector	S42	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S42	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S42	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
A48	Dust Collector	S48	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S48	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S48	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
A50	Dust Collector	S50	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S50	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S50	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)

II. Equipment List

Table II - B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A58	Dust Collector	S58	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S58	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S58	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
A520	Dust Collector	S52	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr ,
		S52	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S52	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
A521	Dust Collector	S52	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S52	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S52	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)

II. Equipment List

Table II - B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A522	Dust Collector	S52	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S52	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S52	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
A560	Dust Collector	S56	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S56	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S56	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
A561	Dust Collector	S56	BAAQMD 6-1-301 and SIP 6-301	1" – 15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S56	BAAQMD 6-1-310 and SIP 6-310	1" – 15" H2O	0.15 gr/dscf
		S56	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)

II. Equipment List

Table II - B - Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A562	Dust Collector	S56	BAAQMD 6-1-301 and SIP 6-301	1" –15" H2O	Ringelmann 1 for ≤ 3 min/hr
		S56	BAAQMD 6-1-310 and SIP 6-310	1" –15" H2O	0.15 gr/dscf
		S56	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)
A563	Dust Collector	S56	BAAQMD 6-1-301 and SIP 6-301	1" –15" H2O	Ringelmann 1 for ≤ 3 min/hr ,
		S56	BAAQMD 6-1-310 and SIP 6-310	1" –15" H2O	0.15 gr/dscf
		S56	BAAQMD 6-1-311 and SIP 6-311	1" – 15" H2O	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr (filterable particulate)

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of the SIP requirements is posted on EPA Region 9's website. The address is:

<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>.

NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions 5/4/11	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	Permits - General Requirements (3/04/09)	N
SIP Regulation 2, Rule 1	Permits - General Requirements (1/26/99)	Y
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (01/06/10)	N
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (7/09/08)	N
SIP Regulation 5	Open Burning (9/04/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Provisions (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (07/01/09)	N
SIP Regulation 8, Rule 3	Organic Compounds – Architectural Coatings (1/2/04)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)	N
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	N
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (4/13/05)	Y
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions – Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reduction – Technician Certification	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions – Reporting and Recordkeeping Requirements	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of the SIP requirements is posted on the EPA Region 9's website. The address is:

<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>. All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
S10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors required per Reg. 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
SIP BAAQMD Regulation 1	General Provisions and Definitions (6/28/99)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors required per Reg. 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-302	Opacity Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
6-1-501	Sampling Facilities and Instruments Required	N	
6-1-502	Data, Records and Reporting	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 12	Inorganic Gaseous Pollutants, Nitrogen Oxides From Glass Melting Furnaces (1/19/94)		
9-12-301	Emission Limit	Y	
9-12-402	Furnace Operating Parameters for Source Tests	Y	
9-12-402.1	Submit proposed ranges for APCO approval	Y	
9-12-402.2	Ranges approved at or near maximum production	Y	
9-12-402.3	Confirmation of approved parameters through source test	Y	
9-12-403	Baseline Emission Rate Determinations	Y	
9-12-403.1	Source Test Requirements	Y	
9-12-403.2	Source test conducted within approved parameters	Y	
9-12-403.3	Emission rate determined by one test	Y	
9-12-403.4	Emission rate determined by more than one test	Y	
9-12-404	Compliance Determinations for each glass melting furnace	Y	
9-12-404.1	District-approved Source Test Schedule	Y	
9-12-404.2	Source Test Parameter Requirements	Y	
9-12-404.3	Emission rate determined by one test	Y	
9-12-404.4	Emission rate determined by more than one test	Y	
9-12-404.5	Source Test Results and Reporting Requirements	Y	
9-12-501	Production Monitoring	Y	
9-12-502	Fuel Monitoring	Y	
9-12-601	Determination of Nitrogen Oxides	Y	
9-12-602	Determination of Oxygen	Y	
9-12-603	Sampling and Averaging Period	Y	
9-12-604	Calculation of Mass Emission Rate Per Ton of Glass Pulled	Y	
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants - Lead (3/17/82)		

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
Condition #11930			
part 1	Throughput limit (basis: emissions banking)	Y	
part 2	Annual NOx Emission Limit (basis: emissions banking)	Y	
part 3	Continuous emission monitoring-NOx (basis: 1-521, 2-6-501)	Y	
part 4a	Recordkeeping (basis: emissions banking)	Y	
part 4c	Recordkeeping procedure (basis: emissions banking)	Y	
part 5	Annual source test for lead (basis: 2-6-501)	Y	
part 6	Annual source test for SO2 (basis: 2-6-501)	Y	
part 7	Annual source test for particulate (basis: 2-6-501)	Y	
part 8	Continuous opacity monitors (basis: 6-501)	Y	
Part 10	Monthly monitoring for SO2 (basis: 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors required per Reg. 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
SIP BAAQMD Regulation 1	General Provisions and Definitions (6/28/99)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors required per Reg. 2-1-403	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-302	Opacity Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
6-1-501	Sampling Facilities and Instruments Required	N	
6-1-502	Data, Records and Reporting	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 9, Rule 12	Inorganic Gaseous Pollutants, Nitrogen Oxides From Glass Melting Furnaces (1/19/94)		
9-12-301	Emission Limit	Y	
9-12-402	Furnace Operating Parameters for Source Tests	Y	
9-12-402.1	Submit proposed ranges for APCO approval	Y	
9-12-402.2	Ranges approved at or near maximum production	Y	
9-12-402.3	Confirmation of approved parameters through source test	Y	
9-12-403	Baseline Emission Rate Determinations	Y	
9-12-403.1	Source Test Requirements	Y	
9-12-403.2	Source test conducted within approved parameters	Y	
9-12-403.3	Emission rate determined by one test	Y	
9-12-403.4	Emission rate determined by more than one test	Y	
9-12-404	Compliance Determinations for each glass melting furnace	Y	
9-12-404.1	District-approved Source Test Schedule	Y	
9-12-404.2	Source Test Parameter Requirements	Y	
9-12-404.3	Emission rate determined by one test	Y	
9-12-404.4	Emission rate determined by more than one test	Y	
9-12-404.5	Source Test Results and Reporting Requirements	Y	
9-12-501	Production Monitoring	Y	
9-12-502	Fuel Monitoring	Y	
9-12-601	Determination of Nitrogen Oxides	Y	
9-12-602	Determination of Oxygen	Y	
9-12-603	Sampling and Averaging Period	Y	
9-12-604	Calculation of Mass Emission Rate Per Ton of Glass Pulled	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 11, Rule 1	Lead (3/17/82)		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
40 CFR Part 63	National Emission Standards for Hazardous Air Pollutants		
63.1	Applicability set out in section 63.1(a)(4)	Y	
63.1(a)	General	Y	
63.1(b)	Initial applicability determination for this part	Y	
63.1(c)	Applicability of this part after a relevant standard has been set under this part	Y	
63.1(c)(1)	Comply with provisions of Subpart SSSSSS and of this subpart as provided in paragraph (a)(4) of this section	Y	
63.1(c)(2)	Requirement for Title V permit	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(a)	Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(c)(1)	COMPLIANCE WITHIN 3 YEARS OF PROMULGATION-check	Y	
63.6(c)(2)	COMPLIANCE WITHIN 90 DAYS-check	Y	
63.6(c)(5)	Conversion of area source to major source	Y	
63.6(e)	Operation and maintenance requirements	Y	
63.6(e)(1)	Operation in a manner consistent with safety and good air pollution control practices for minimizing emissions	Y	
63.6(f)	Compliance with nonopacity emission standards	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance with opacity and visible emission standards	Y	
63.6(j)	Exemption from compliance with emission standards	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.8(a)	Applicability	Y	
63.8(a)(1)	Applicability set out in section 63.1(a)(4)	Y	
63.8(a)(2)	Standards for continuous monitoring systems	Y	
63.8(b)	Conduct of monitoring	Y	
63.8(c)	Operation and maintenance of continuous monitoring systems	Y	
63.8(c)(1)	Operation as specified in section 63.8 and in manner consistent with good air pollution control practices	Y	
63.8(c)(2)	Representative measures of emissions or process	Y	
63.8(c)(3)	Continuous monitoring systems installed, operational, and data verified as specified either prior to or in conjunction with conducting performance tests	Y	
63.8(c)(4)	Continuous operation	Y	
63.8(c)(7)(i) (B)	Failure of performance test audit	Y	
63.8(c)(7)(ii)	Corrective action	Y	
63.8(c)(8)	Submittal of information regarding out-of-control periods	Y	
63.8(d)	Quality control program	Y	
63.8(e)	Performance evaluation of continuous monitoring systems	Y	
63.8(e)(1)	General	Y	
63.8(e)(4)	Conduct of performance evaluation and performance evaluation dates	Y	
63.8(f)	Use of an alternative monitoring method	Y	
63.9	Notification requirements	Y	
63.9(a)	Applicability and general information	Y	
63.9(b)	Initial notifications	Y	
63.9(b)(1)	Notification requirements	Y	
63.9(b)(2)	Required data elements	Y	
63.9(c)	Request for extension of compliance	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.9(d)	Notification that source is subject to special compliance requirements	Y	
63.9(h)	Notification of compliance status	Y	
63.9(i)	Adjustment to time periods or postmark deadlines for submittal and review of required communications	Y	
63.9(j)	Change in information already provided	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.10(a)	Applicability and general information	Y	
63.10(b)	General recordkeeping requirements	Y	
63.10(b)(1)	Files of all information	Y	
63.10(b)(2)(i)	Occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable emission limitation	Y	
63.10(b)(2)(ii)	Occurrence and duration of each malfunction	Y	
63.10(b)(2)(iii)	Maintenance performed on the air pollution control and monitoring equipment	Y	
63.10(b)(2)(iv)	Actions taken during periods of startup or shutdown	Y	
63.10(b)(2)(v)	All information necessary, including actions taken, to demonstrate conformance with the affected source's startup, shutdown, and malfunction plan	Y	
63.10(b)(2)(vi)	Malfunctioning or inoperative continuous monitoring systems	Y	
63.10(b)(2)(vii)	All required measurements	Y	
63.10(b)(2)(viii)	Results of performance tests, CMS performance evaluations, and opacity and visible emission observations	Y	
63.10(b)(2)(ix)	Measurements as may be necessary to determine the conditions of performance tests and performance evaluations	Y	
63.10(b)(2)(x)	CMS calibration checks	Y	
63.10(b)(2)(xi)	Adjustments and maintenance performed on CMS	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(b)(2) (xii)	Information regarding waiver of recordkeeping	Y	
63.10(b)(2) (xiv)	Initial notifications and notifications of compliance status	Y	
63.10(b)(2) (c)	Additional recordkeeping requirements for sources with continuous monitoring system	Y	
63.10(b)(2) (f)	Waiver of recordkeeping or reporting requirements	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR 63, Subpart SSSSSS	Subpart SSSSSS—National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources (12/26/07)		
63.11448	Am I subject to this subpart?	Y	
63.11449	What parts of my plant does this subpart cover?	Y	
63.11450	What are my compliance dates?	Y	
63.11451	What are the standards for new and existing sources?	Y	
63.11452	What are the performance test requirements for new and existing sources?	Y	
63.11453	What are the initial compliance demonstration requirements for new and existing sources?	Y	
63.11454	What are the monitoring requirements for new and existing sources?	Y	
63.11455	What are the continuous compliance requirements for new and existing sources?	Y	
63.11456	What are the notification requirements?	Y	
63.11457	What are the recordkeeping requirements?	Y	
63.11458	What General Provisions apply to this subpart?	Y	
Condition #11930			
Part 1	Throughput limit (basis: emissions banking)	Y	
part 4b	Records of glass pulled (basis: emissions banking)	Y	
part 4c	Recordkeeping procedure (basis: emissions banking)	Y	
part 5	Annual source test for lead (basis: 2-6-501)	Y	
part 6	Annual source test for SO2 (basis: 2-6-501)	Y	
part 7	Annual source test for particulate (basis: 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV – B
Source-specific Applicable Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 8	Continuous opacity monitors (basis: 6-501)	Y	
part 9	Electrostatic precipitator (basis: Regulation 2-1-301)	N	
Part 10	Monthly monitoring for SO2 (basis: 2-6-503)	Y	
Condition #21614			
Part 1	deleted	N	
Part 2	deleted	N	
Part 3	deleted	N	
Part 4	Limits number of burners and size (basis: 2-1-301)	N	
Part 5	NOx emissions limit (basis: cumulative increase)	Y	
Part 6	CO emissions limit (basis: cumulative increase)	Y	
Part 7	NOx and O2 CEM installation (basis; cumulative increase)	Y	
Part 8	Source test requirement (basis: cumulative increase)	Y	
Part 9	Record keeping (basis: 2-6-501)	Y	
Part 10	Monthly CO monitoring (basis: 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)		
1-520	Continuous Emission Monitoring	N	
1-520.8	Monitors required per Reg. 2-1-403	N	
1-521	Monitoring May Be Required	N	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	N	
SIP BAAQMD Regulation 1	General Provisions and Definitions (6/28/99)		
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors required per Reg. 2-1-403	Y	
1-521	Monitoring May Be Required	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-302	Opacity Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
6-1-501	Sampling Facilities and Instruments Required	N	
6-1-502	Data, Records and Reporting	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-302	Opacity Limitation	Y	
6-305	Visible Particles	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 9, Rule 12	Inorganic Gaseous Pollutants, Nitrogen Oxides From Glass Melting Furnaces (1/19/94)		
9-12-301	Emission Limit	Y	
9-12-402	Furnace Operating Parameters for Source Tests	Y	
9-12-402.1	Submit proposed ranges for APCO approval	Y	
9-12-402.2	Ranges approved at or near maximum production	Y	
9-12-402.3	Confirmation of approved parameters through source test	Y	
9-12-403	Baseline Emission Rate Determinations	Y	
9-12-403.1	Source Test Requirements	Y	
9-12-403.2	Source test conducted within approved parameters	Y	
9-12-403.3	Emission rate determined by one test	Y	
9-12-403.4	Emission rate determined by more than one test	Y	
9-12-404	Compliance Determinations for each glass melting furnace	Y	
9-12-404.1	District-approved Source Test Schedule	Y	
9-12-404.2	Source Test Parameter Requirements	Y	
9-12-404.3	Emission rate determined by one test	Y	
9-12-404.4	Emission rate determined by more than one test	Y	
9-12-404.5	Source Test Results and Reporting Requirements	Y	
9-12-501	Production Monitoring	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-12-502	Fuel Monitoring	Y	
9-12-601	Determination of Nitrogen Oxides	Y	
9-12-602	Determination of Oxygen	Y	
9-12-603	Sampling and Averaging Period	Y	
9-12-604	Calculation of Mass Emission Rate Per Ton of Glass Pulled	Y	
BAAQMD Regulation 11, Rule 1	Lead (3/17/82)		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
40 CFR Part 63	National Emission Standards for Hazardous Air Pollutants		
63.1	Applicability set out in section 63.1(a)(4)	Y	
63.1(a)	General	Y	
63.1(b)	Initial applicability determination for this part	Y	
63.1(c)	Applicability of this part after a relevant standard has been set under this part	Y	
63.1(c)(1)	Comply with provisions of Subpart SSSSSS and of this subpart as provided in paragraph (a)(4) of this section	Y	
63.1(c)(2)	Requirement for Title V permit	Y	
63.2	Definitions	Y	
63.3	Units and abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.5	Preconstruction review and notification requirements	Y	
63.6	Compliance with standards and maintenance requirements	Y	
63.6(a)	Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(c)(1)	Compliance within 3 years of promulgation	Y	
63.6(c)(2)	Compliance within 90 days	Y	
63.6(c)(5)	Conversion of area source to major source	Y	
63.6(e)	Operation and maintenance requirements	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6(e)(1)	Operation in a manner consistent with safety and good air pollution control practices for minimizing emissions	Y	
63.6(f)	Compliance with nonopacity emission standards	Y	
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance with opacity and visible emission standards	Y	
63.6(j)	Exemption from compliance with emission standards	Y	
63.7	Performance testing requirements	Y	
63.8	Monitoring requirements	Y	
63.8(a)	Applicability	Y	
63.8(a)(1)	Applicability set out in section 63.1(a)(4)	Y	
63.8(a)(2)	Standards for continuous monitoring systems	Y	
63.8(b)	Conduct of monitoring	Y	
63.8(c)	Operation and maintenance of continuous monitoring systems	Y	
63.8(c)(1)	Operation as specified in section 63.8 and in manner consistent with good air pollution control practices	Y	
63.8(c)(2)	Representative measures of emissions or process	Y	
63.8(c)(3)	Continuous monitoring systems installed, operational, and data verified as specified either prior to or in conjunction with conducting performance tests	Y	
63.8(c)(4)	Continuous operation	Y	
63.8(c)(7)(i) (B)	Failure of performance test audit	Y	
63.8(c)(7)(ii)	Corrective action	Y	
63.8(c)(8)	Submittal of information regarding out-of-control periods	Y	
63.8(d)	Quality control program	Y	
63.8(e)	Performance evaluation of continuous monitoring systems	Y	
63.8(e)(1)	General	Y	
63.8(e)(4)	Conduct of performance evaluation and performance evaluation dates	Y	
63.8(f)	Use of an alternative monitoring method	Y	
63.9	Notification requirements	Y	
63.9(a)	Applicability and general information	Y	
63.9(b)	Initial notifications	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.9(b)(1)	Notification requirements	Y	
63.9(b)(2)	Required data elements	Y	
63.9(c)	Request for extension of compliance	Y	
63.9(d)	Notification that source is subject to special compliance requirements	Y	
63.9(h)	Notification of compliance status	Y	
63.9(i)	Adjustment to time periods or postmark deadlines for submittal and review of required communications	Y	
63.9(j)	Change in information already provided	Y	
63.10	Recordkeeping and reporting requirements	Y	
63.10(a)	Applicability and general information	Y	
63.10(b)	General recordkeeping requirements	Y	
63.10(b)(1)	Files of all information	Y	
63.10(b)(2)(i)	Occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable emission limitation	Y	
63.10(b)(2)(ii)	Occurrence and duration of each malfunction	Y	
63.10(b)(2)(iii)	Maintenance performed on the air pollution control and monitoring equipment	Y	
63.10(b)(2)(iv)	Actions taken during periods of startup or shutdown	Y	
63.10(b)(2)(v)	All information necessary, including actions taken, to demonstrate conformance with the affected source's startup, shutdown, and malfunction plan	Y	
63.10(b)(2)(vi)	Malfunctioning or inoperative continuous monitoring systems	Y	
63.10(b)(2)(vii)	All required measurements	Y	
63.10(b)(2)(viii)	Results of performance tests, CMS performance evaluations, and opacity and visible emission observations	Y	
63.10(b)(2)(ix)	Measurements as may be necessary to determine the conditions of performance tests and performance evaluations	Y	
63.10(b)(2)(x)	CMS calibration checks	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10(b)(2)(xi)	Adjustments and maintenance performed on CMS	Y	
63.10(b)(2)(xii)	Information regarding waiver of recordkeeping	Y	
63.10(b)(2)(xiv)	Initial notifications and notifications of compliance status	Y	
63.10(b)(2)(c)	Additional recordkeeping requirements for sources with continuous monitoring system	Y	
63.10(b)(2)(f)	Waiver of recordkeeping or reporting requirements	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR 63, Subpart SSSSSS	Subpart SSSSSS—National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources (12/26/07)		
63.11448	Am I subject to this subpart?	Y	
63.11449	What parts of my plant does this subpart cover?	Y	
63.11450	What are my compliance dates?	Y	
63.11451	What are the standards for new and existing sources?	Y	
63.11452	What are the performance test requirements for new and existing sources?	Y	
63.11453	What are the initial compliance demonstration requirements for new and existing sources?	Y	
63.11454	What are the monitoring requirements for new and existing sources?	Y	
63.11455	What are the continuous compliance requirements for new and existing sources?	Y	
63.11456	What are the notification requirements?	Y	
63.11457	What are the recordkeeping requirements?	Y	
63.11458	What General Provisions apply to this subpart?	Y	
BAAQMD Regulation 11, Rule 1	Lead (3/17/82)		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
Condition #11931			
Part 1	Throughput limit (basis: emissions banking)	Y	
Part 2	Recordkeeping (basis: emissions banking)	Y	
part 2a	Recordkeeping procedure (basis: emissions banking)	Y	
part 3	Annual source test for lead (basis: 2-6-501)	Y	
part 4	Annual source test for SO2 (basis: 2-6-501)	Y	
part 5	Annual source test for particulate (basis: 2-6-501)	Y	
part 6	Continuous opacity monitors (basis: 6-501)	Y	
part 7	Electrostatic precipitator (basis: 2-1-301)	N	
Part 8	Monthly monitoring for SO2 (basis: 2-6-503)	Y	
Condition #20003			
Part 4	Limit on number of burners and size (basis: 2-1-301)	N	
Part 5	NOx emission limit (basis: cumulative increase)	N	
Part 6	CO emission limit (basis: cumulative increase)	N	
Part 7	NOx and O2 CEMs (basis: cumulative increase)	N	
Part 8	Source test requirement (basis: cumulative increase)	N	
Part 9	Record keeping (basis: 2-1-301)	Y	
Part 10	Monthly CO monitoring (basis: 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S25, S27, S29, S30, S32, S33, & S136
HOT END BOTTLE SURFACE TREATMENT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)		
1-523	Parametric Monitoring and Record Keeping Procedures	N	
SIP BAAQMD Regulation 1	General Provisions and Definitions (6/28/99)		
1-523	Parametric Monitoring and Record Keeping Procedures	Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 8, Rule 4	Organic Compounds, General Solvent and Surface Coating Operations (10/16/02)		
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-302.1	VOC emissions less than 5 tons per year	Y	
8-4-501	Recordkeeping Requirements	Y	
Condition #23142			
Part 1	Requirement for abatement (basis: Cumulative Increase	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S25, S27, S29, S30, S32, S33, & S136
HOT END BOTTLE SURFACE TREATMENT

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Maximum Annual Throughout of monobutyl tin (MBTT) (basis: cumulative increase, offsets)	Y	
Part 3	POC and PM Emission Limits (basis: cumulative emissions)	Y	
Part 4	HCl and Ammonia Emission Limits (basis: Regulation 2, Rule 5)	N	
Part 5	Source Testing (basis: 2-6-501)	Y	
Part 6	Requirement for manometer (basis: cumulative increase)	Y	
Part 7	Pressure drop monitoring (basis: cumulative increase)	Y	
Part 8	Recordkeeping (basis: 2-6-501)	Y	
Part 9	Annual baghouse inspection (basis: 2-6-501)	Y	
Part 10	Annual tracer test (basis: 2-6-503)	Y	

Table IV - E
Source-specific Applicable Requirements
S39, RAW MATERIAL UNLOADING STATION,
S57, ECOLOGY CULLET ELEVATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation (does not apply to S39)	N	
6-1-311	General Operations (does not apply to S39)	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		

IV. Source-specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S39, RAW MATERIAL UNLOADING STATION,
S57, ECOLOGY CULLET ELEVATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation (does not apply to S39)	Y	
6-311	General Operations (does not apply to S39)	Y	
6-401	Appearance of Emissions	Y	
Condition #15855			
Part 2	Weekly Visible Emissions Monitoring (basis: 2-6-501)	Y	

Table IV - F
Source-specific Applicable Requirements
S41 & S42, BATCH MIXERS A & B, S48, LIME STORAGE BINS
S50, SODA ASH STORAGE BINS
S52, SAND STORAGE BINS, S56, CULLET STORAGE BINS
S58, SALT CAKE STORAGE AREA

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)		
1-523	Parametric Monitoring and Record Keeping Procedures	N	
SIP BAAQMD Regulation 1	General Provisions and Definitions (6/28/99)		
1-523	Parametric Monitoring and Record Keeping Procedures	Y	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	

IV. Source-specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements
S41 & S42, BATCH MIXERS A & B, S48, LIME STORAGE BINS
S50, SODA ASH STORAGE BINS
S52, SAND STORAGE BINS, S56, CULLET STORAGE BINS
S58, SALT CAKE STORAGE AREA

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
Condition #16591			
part 1	Abatement Requirement (basis: cumulative increase)	Y	
part 2	Pressure Drop Monitoring Requirement (basis: 2-6-501)	Y	
part 3	Recordkeeping (basis: 2-6-501)	Y	
part 4	Annual Baghouse Inspection (basis: 2-6-501)	Y	

IV. Source-specific Applicable Requirements

**Table IV - G
 Source-specific Applicable Requirements
 S43, CULLET CRUSHER
 S44, SAND ELEVATOR**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	

**Table IV - I
 Source-specific Applicable Requirements
 S67, MOLD REPAIR SPRAY BOOTH**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	

IV. Source-specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S67, MOLD REPAIR SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
Condition #15855			
Part 2	Weekly Visible Emissions Monitoring (basis: 2-6-501)	Y	

Table IV - J
Source-specific Applicable Requirements
S76, S77, S79, S80, S83, S84, S135, FORMING MACHINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV - J
Source-specific Applicable Requirements
S76, S77, S79, S80, S83, S84, S135, FORMING MACHINES

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 4	Organic Compounds, General Solvent and Surface Coating Operations (10/16/02)		
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-302.1	VOC emissions less than 5 tons per year (Note: applies to each source separately)	Y	
8-4-501	Recordkeeping Requirements	Y	

IV. Source-specific Applicable Requirements

**Table IV - K
 Source-specific Applicable Requirements
 S97, BALER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-301	Ringelmann Number 1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
Condition #16592			
part 1	Abatement Requirement (basis: cumulative increase)	Y	
part 3	Visible Emissions Monitoring Requirement (basis: 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S130 EMERGENCY ELECTRIC GENERATOR, NATURAL GAS FIRED, 188 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (7/09/08)		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y ¹	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-303	Ringelmann Number 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on ground level concentrations	Y	
9-1-302	General Emission Limitation	Y	

IV. Source-specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S130 EMERGENCY ELECTRIC GENERATOR, NATURAL GAS FIRED, 188 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)		
9-8-110.4	Exemptions: emergency standby engines	Y	
9-8-330	Emergency standby engines hours of operation	N	
9-8-330.1	Unlimited hours for emergency use	N	
9-8-330.3	50 hours for reliability and maintenance	N	
9-8-502	Recordkeeping	N	
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
40 CFR Part 63 Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions		
63.1	General Applicability of the General Provisions	Y	
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.6(a)	Compliance with standards and maintenance requirements - Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance extension procedures and criteria	Y	
63.6(j)	Presidential compliance exemption	Y	
63.10(a)	Recordkeeping and reporting requirements, applicability and general information	Y	
63.10(b)(1)	Record retention	Y	
63.10(d)(1)	General reporting requirements	Y	
63.10(f)	Administrator waiver of recordkeeping or reporting requirements	Y	
63.12	State authority and delegations	Y	
63.13	Addresses of air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by reference	Y	
63.15	Availability of information and confidentiality	Y	

IV. Source-specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S130 EMERGENCY ELECTRIC GENERATOR, NATURAL GAS FIRED, 188 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)		
63.6585	Am I subject to this subpart?	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Area sources of HAP	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)(1)(iii)	Affected source under stationary RICE located at an area source of HAP emissions, constructed before 6/12/06	Y	
63.6595	When do I have to comply with this subpart?	Y	10/19/2013
63.6595(a)	Comply with applicable emission limitations and operating limitations by 10/19/13.	Y	10/19/2013
63.6595(c)	Comply with applicable notification requirements in 63.6645 and 40 CFR Part 63, subpart A. (Note there are no applicable notification requirements under either of these sections)	Y	
63.6603	What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?	Y	10/19/2013
63.6603(a)	Comply with requirements of Table 2d, Part 4 (operating limitations of Tables 1b and 2b do not apply): 1. Change oil & filter every 500 hours of operation or annually, whichever comes first. Oil analysis program may be used to extend period. 2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first 3. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first.	Y	10/19/2013
63.6605	General Requirements 1. Must be in compliance with applicable emission limitations and operating limitations 2. Operate engine in a manner consistent with safety and good air pollution control practices to minimize emissions.	Y	10/19/2013
63.6625	What are my monitoring, installation, collection, operation, and maintenance requirements?	Y	10/19/2013

IV. Source-specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S130 EMERGENCY ELECTRIC GENERATOR, NATURAL GAS FIRED, 188 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6625(e)(3)	Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan.	Y	10/19/2013
63.6625(f)	Install non-resettable hour meter (if one is not already installed)	Y	10/19/2013
63.6625(h)	Minimize idling, and minimize startup time to not exceed 30 minutes.	Y	10/19/2013
63.6640(a)	Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.	Y	10/19/2013
63.6640(b)	Report deviations from the requirements of Table 2d.	Y	10/19/2013
63.6640(e)	Report non-compliance with the any applicable requirement of Table 8.	Y	10/19/2013
63.6640(f)	Comply with requirements of (f)(1)(i) through (iii) below	Y	10/19/2013
63.6640(f)(1)(i)	No time limit when engine is used for emergencies	Y	10/19/2013
63.6640(f)(1)(ii)	Operation of engine for maintenance checks and readiness testing limited to 100 hours per year	Y	10/19/2013
63.6640(f)(1)(iii)	Operation of engine for non-emergency and not associated with maintenance checks and readiness testing is limited to 50 hours, which is counted towards the 100 hours per year maximum specified in 63.6640(f)(1)(ii)	Y	10/19/2013
63.6645	What notifications must I submit and when?	Y	
63.6645(a)(5)	The notification requirements of 63.6645(a) do not apply to this engine.	Y	
63.6655(a)	Record Keeping (2) Records of occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment. (4) Records of all required maintenance performed on the air pollution control and monitoring equipment. (5)Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.	Y	10/19/2013
63.6655(d)	The owner/operator must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to the given RICE.	Y	10/19/2013

IV. Source-specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S130 EMERGENCY ELECTRIC GENERATOR, NATURAL GAS FIRED, 188 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6655(e)	You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE; (2) An existing stationary RICE	Y	10/19/2013
63.6660	In what form and how long must I keep my records?	Y	10/19/2013
Condition # 22050			
part 1	Hours of operation (basis: 9-8-330)	Y	
part 2	Monitoring of either fuel usage or hours of operation (basis: 9-8-530)	Y	
Part 3	Record Keeping (basis: 9-8-530)	Y	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S131 DIESEL ENGINE, EMERGENCY STANDBY, 335 HP
S132 DIESEL ENGINE, EMERGENCY STANDBY, 610 HP
S133 DIESEL ENGINE, EMERGENCY STANDBY, 369 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (7/09/08)		
1-521	Monitoring May Be Required	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y ¹	
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-303	Ringelmann Number 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95; SIP approved 5/20/92)		

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S131 DIESEL ENGINE, EMERGENCY STANDBY, 335 HP
S132 DIESEL ENGINE, EMERGENCY STANDBY, 610 HP
S133 DIESEL ENGINE, EMERGENCY STANDBY, 369 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-301	Limitations on ground level concentrations	Y	
9-1-304	Fuel burning (liquid and solid fuels)	Y	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)		
9-8-110.4	Exemptions: emergency standby engines	Y	
9-8-330	Emergency standby engines hours of operation	N	
9-8-330.1	Unlimited hours for emergency use	N	
9-8-330.3	50 hours for reliability and maintenance	N	
9-8-502	Recordkeeping	N	
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
40 CFR Part 63 Subpart A	National Emissions Standards for Hazardous Air Pollutants for Source Categories, Subpart A – General Provisions		
63.1	General Applicability of the General Provisions	Y	
63.2	Definitions	Y	
63.3	Units and Abbreviations	Y	
63.4	Prohibited activities and circumvention	Y	
63.6(a)	Compliance with standards and maintenance requirements - Applicability	Y	
63.6(c)	Compliance dates for existing sources	Y	
63.6(f)(2)	Methods for determining compliance	Y	
63.6(f)(3)	Finding of compliance	Y	
63.6(g)	Use of an alternative nonopacity emission standard	Y	
63.6(i)	Compliance extension procedures and criteria	Y	
63.6(j)	Presidential compliance exemption	Y	
63.10(a)	Recordkeeping and reporting requirements, applicability and general information	Y	
63.10(b)(1)	Record retention	Y	
63.10(d)(1)	General reporting requirements	Y	
63.10(f)	Administrator waiver of recordkeeping or reporting requirements	Y	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S131 DIESEL ENGINE, EMERGENCY STANDBY, 335 HP
S132 DIESEL ENGINE, EMERGENCY STANDBY, 610 HP
S133 DIESEL ENGINE, EMERGENCY STANDBY, 369 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.12	State authority and delegations	Y	
63.13	Addresses of air pollution control agencies and EPA Regional Offices	Y	
63.14	Incorporation by reference	Y	
63.15	Availability of information and confidentiality	Y	
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)		
63.6585	Am I subject to this subpart?	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	An area source of HAPS is a source that is not a major source.	Y	
63.6590	What parts of my plant does this subpart cover?	Y	
63.6590(a)(1)(iii)	Affected source under stationary RICE located at an area source of HAP emissions, constructed before 6/12/06	Y	
63.6595	When do I have to comply with this subpart?	Y	
63.6595(a)	Comply with applicable emission limitations and operating limitations by 5/3/13.	Y	5/3/13
63.6595(c)	Comply with applicable notification requirements in 63.6645 and 40 CFR Part 63, subpart A. (Note there are no applicable notification requirements under either of these sections)	Y	
63.6603	What emission limitations and operating limitations must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?	Y	
63.6603(a)	Comply with requirements of Table 2d, Part 4 (operating limitations of Tables 1b and 2b do not apply): 1. Change oil & filter every 500 hours of operation or annually, whichever comes first. Oil analysis program may be used to extend period. 2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first 3. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first.	Y	5/3/13

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S131 DIESEL ENGINE, EMERGENCY STANDBY, 335 HP
S132 DIESEL ENGINE, EMERGENCY STANDBY, 610 HP
S133 DIESEL ENGINE, EMERGENCY STANDBY, 369 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6605	General Requirements 1. Must be in compliance with applicable emission limitations and operating limitations 2. Operate engine in a manner consistent with safety and good air pollution control practices to minimize emissions.	Y	5/3/13
63.6625	What are my monitoring, installation, collection, operation, and maintenance requirements?	Y	
63.6625(e)(3)	Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan.	Y	5/3/13
63.6625(f)	Install non-resettable hour meter (if one is not already installed)	Y	
63.6625(h)	Minimize idling, and minimize startup time to not exceed 30 minutes.	Y	5/3/13
63.6640(a)	Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.	Y	5/3/13
63.6640(b)	Report deviations from the requirements of Table 2d.	Y	5/3/13
63.6640(e)	Report non-compliance with the any applicable requirement of Table 8.	Y	5/3/13
63.6640(f)	Comply with requirements of (f)(1)(i) through (iii) below	Y	5/3/13
63.6640(f)(1)(i)	No time limit when engine is used for emergencies	Y	5/3/13
63.6640(f)(1)(ii)	Operation of engine for maintenance checks and readiness testing limited to 100 hours per year	Y	5/3/13
63.6640(f)(1)(iii)	Operation of engine for non-emergency and not associated with maintenance checks and readiness testing is limited to 50 hours, which is counted towards the 100 hours per year maximum specified in 63.6640(f)(1)(ii)	Y	5/3/13
63.6645	What notifications must I submit and when?	Y	
63.6645(a)(5)	The notification requirements of 63.6645(a) do not apply to this engine.	Y	
63.6655	What records must I keep?	Y	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S131 DIESEL ENGINE, EMERGENCY STANDBY, 335 HP
S132 DIESEL ENGINE, EMERGENCY STANDBY, 610 HP
S133 DIESEL ENGINE, EMERGENCY STANDBY, 369 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6655(a)	Record Keeping (2) Records of occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment. (4) Records of all required maintenance performed on the air pollution control and monitoring equipment. (5)Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.	Y	5/3/13
63.6655(d)	The owner/operator must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to the given RICE.	Y	5/13/13
63.6655(e)	You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE; (2) An existing stationary RICE	Y	
63.6660	In what form and how long must I keep my records?	Y	5/3/13
CCR, Title 17, Section 93115	ATCM for Stationary Compression Ignition Engines	N	
93115.5	Fuel Requirements	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.10	Recordkeeping, Reporting and Monitoring Requirements	N	
93115.10(a)	Reporting	N	
93115.10(c)	Demonstration of Compliance with Emission Limits	N	
93115.10(e) (1)	Monitoring Equipment	N	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
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S132 DIESEL ENGINE, EMERGENCY STANDBY, 610 HP
S133 DIESEL ENGINE, EMERGENCY STANDBY, 369 HP

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.11	ATCM for Stationary CI Engines – Compliance Schedule for Owners or Operators of Three or Fewer Engines (>50 bhp) Located within a District	N	
93115.11(a)	Compliance by 1/1/06 for engines complying by reducing hours of operation	N	
93115.15	Severability	N	
BAAQMD Condition #22820			
part 1	20 hours/year for maintenance and testing. (basis: Stationary Diesel Engine ATCM" section 93115.6 (a) or (b), title 17 CCR, Regulation 2, Rule 5)	N	
part 2	Unlimited Emergency Use, (basis: Stationary Diesel Engine ATCM" section 93115.6 (a) or (b), title 17 CCR)	N	
part 3	Totalizing Meter, (basis: Stationary Diesel Engine ATCM" section 93115.10(e), title 17 CCR)	N	
part 4	Recordkeeping, (basis: Stationary Diesel Engine ATCM" section 93115.10(g), title 17 CCR, Regulation 2-6-501)	N	
part 5	Near School Conditions, (basis: Stationary Diesel Engine ATCM" section 93115.6(a) or (b), title 17 CCR)	N	

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

Condition #11930

Plant 30, Sources S10 and S11, Glass Melting Furnaces

1. Total glass pulled at each S10 and S11 shall each not exceed 125,000 tons in any consecutive twelve-month period. (basis: emissions banking)
2. NOx Emissions from S10 shall not exceed 212.7 tons in any consecutive 12-month period. (basis: legal agreement)
3. By December 1, 2000, the owner/operator of S10 shall have installed and be operating a District-approved continuous emissions monitor (CEM) to measure the NOx emissions from S10, a District-approved flowmeter to measure the exhaust gas flowrate from S10, a District-approved method of measuring the tons of glass pulled, and a data logger and recorder. All of the above monitoring equipment shall be pre-approved by the District Source Test Manager. The monitoring shall demonstrate compliance with both part 2 of this condition and Regulation 9-12-301. (basis: 1-521)
- 4a. The owner/operator shall maintain daily records of the amount of glass pulled at S10, all source test data, CEM data, exhaust gas flowrate data, mass emissions per ton using 3 hour averaging, and total consecutive 12 month mass emissions. Records shall be retained on site for five years from the date of entry, and be available for inspection by District staff upon request. (basis: emissions banking)
- 4b. The owner/operator shall maintain daily records of the amount of glass pulled at S11. Records shall be retained on site for five years from the date of entry, and be available for inspection by District staff upon request. (basis: emissions banking)
- 4c. The owner/operator of S10 and S11 shall maintain a district approved daily log of the glass pull-rate (in tons per calendar day) at each S10 and S11. The glass pull-rate shall be determined by the production rate (containers/minute), as reported on the computer control log at each setting, multiplied by the container specification weight (pounds) multiplied by the minutes of operation during each calendar day and then divided by 2000 pounds/ton. Any changes in either the container/container weight and production rate shall be clearly identified in the log. The measurement error shall not exceed 10% of measurement. This log shall be maintained on site for

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- at least 5 years from the date of entry and be made available to district staff upon request. (basis: emissions banking)
5. The owner/operator of S10 and S11 shall conduct a District-approved annual source test at each furnace in order to demonstrate compliance with Regulation 11-1-301. The results of this test shall be kept on site for at least five years from the date of the test and be made available to District staff upon request. (basis: Regulation 2-6-501, 2-6-503)
 6. The owner/operator of S10 and S11 shall conduct a District-approved annual source test at each furnace in order to demonstrate compliance with Regulations 9-1-302. The results of these tests shall be kept on site for at least five years from the date of the test and be made available to District staff upon request. (basis: Regulation 2-6-501, 2-6-503)
 7. The owner/operator of S10 and S11 shall conduct an annual District-approved source test at each furnace in order to demonstrate compliance with BAAQMD Regulations 6-1-310 and 6-1-311 and SIP Regulations 6-310 and 6-311. The results of these tests shall be kept on site for at least five years from the date of the test and be made available to District staff upon request. (basis: Regulation 2-6-501, 2-6-503)
 8. The owner/operator of S10 and S11 shall maintain and operate continuous opacity monitors in accordance with the Manual of Procedures, Volume V. This condition does not apply to S11 during periods of maintenance of A9, not to exceed 144 hours in any consecutive 12-month period. (basis: Regulation 6-501)
 - *9. S11 shall be abated, at all times of operation by the properly maintained and properly operated A9 Electrostatic Precipitator. This condition does not apply during periods of maintenance of A9 not to exceed 144 hours in any consecutive 12-month period. (basis: Regulation 2-1-301)
 10. In addition to the annual source test required by part 6 of this condition, the owner/operator shall conduct monthly monitoring of the SO₂ concentration at S10 and S11 using a portable monitor. If the concentration method exceeds 270 ppm, the owner/operator shall measure the SO₂ concentration every day until the concentration has been below 270 ppm for at least seven days. The owner/operator shall then resume monitoring on a monthly basis. Concentrations over 300 ppm using the portable monitor shall be presumed to indicate non-compliance. (basis: 2-6-503)

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Condition #11931

Plant 30, Source 12, Glass Melting Furnace

1. Total glass pulled at this S12 furnace shall not exceed 110,000 tons in any consecutive twelve-month period. (basis: emissions banking)
2. Plant shall maintain daily records of the amount of glass pulled at this furnace. Records shall be retained on site for five years from the date of entry, and be available for inspection by District staff upon request. (basis: emissions banking)
- 2a. The owner/operator of S12 shall maintain a district approved daily log of the glass pull-rate (in tons per calendar day) at S12. The glass pull-rate shall be determined by the production rate (containers/minute), as reported on the computer control log at each setting, multiplied by the container specification weight (pounds) multiplied by the minutes of operation during each calendar day and then divided by 2000 pounds/ton. Any changes in either the container/container weight and production rate shall be clearly identified in the log. The measurement error shall not exceed 10% of measurement. This log shall be maintained on site for at least 5 years from the date of entry and be made available to district staff upon request. (basis: emissions banking)
3. The owner/operator of S12 shall conduct a District-approved annual source test at each furnace in order to demonstrate compliance with Regulation 11-1-301. The results of this test shall be kept on site for at least five years from the date of the test and be made available to District staff upon request. (basis: Regulation 2-6-501, 2-6-503)
4. The owner/operator of S12 shall conduct a District-approved annual source test at each furnace in order to demonstrate compliance with Regulations 9-1-302. The results of these tests shall be kept on site for at least five years from the date of the test and be made available to District staff upon request. (basis: Regulation 2-6-501, 2-6-503)
5. The owner/operator of S12 shall conduct an annual District-approved source test at each furnace in order to demonstrate compliance with BAAQMD Regulations 6-1-310 and 6-1-311, and SIP Regulations 6-310 and 6-311. The results of these tests shall be kept on site for at least five years from the date of the test and be made available to District staff upon request. (basis: Regulation 2-6-501, 2-6-503)
6. The owner/operator of S12 shall maintain and operate continuous opacity monitors in accordance with the Manual of Procedures, Volume V. (basis: Regulation 6-1-501, SIP 6-501)

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- *7. S12 shall be abated, at all times of operation by the properly maintained and properly operated A9 Electrostatic Precipitator. This condition does not apply during periods of maintenance of A9 not to exceed 144 hours in any consecutive 12-month period. (basis: Regulation 2-1-301)
8. In addition to the annual source test required by part 4 of this condition, the owner/operator shall conduct monthly monitoring of the SO₂ concentration at S12 using a portable monitor. If the concentration method exceeds 270 ppm, the owner/operator shall measure the SO₂ concentration every day until the concentration has been below 270 ppm for at least seven days. The owner/operator shall then resume monitoring on a monthly basis. Concentrations over 300 ppm using the portable monitor shall be presumed to indicate non-compliance. (basis: 2-6-503)

Condition #15855

S39, Raw Material Unloading Station; S57, Ecology Cullet Elevator; S67, Mold Repair Spray Booth

1. Deleted per Source Test recommendation (Applications 6869/6872)
2. The owner/operator of S39, S57, and S67 shall conduct weekly visible emissions monitoring in order to determine compliance with BAAQMD Regulation 6-1-301 and SIP Regulation 6-301 using either District method or EPA Method 9, and shall not exceed a Ringelmann 1.0 for more than three minutes in any hour. Weekly records of visible emissions data shall be retained on site for at least five years from the date of entry and be made available to District staff upon request. (basis: Regulation 2-6-501, 2-6-503)

Condition #16591

Sources S41, S42, Batch Mixers; S48, Lime Storage Bins; S50, Soda Ash Storage Bins; S52, Sand Storage Bins; S56; Cullet Storage Bins; and S58, Salt Cake Storage Area.

1. The owner/operator of the following sources shall vent particulate matter emissions under negative pressure to the indicated abatement devices at all times of operation of the sources and/or when emitting particulate matter emissions:

S41 Batch Mixer abated by:
A41 Dust Collector Torit 64 PJD 8

S42 Batch Mixer abated by:
A42 Dust Collector Torit 64 PJD 8

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S48 Lime Storage Bins abated by :
A48 Dust Collector (B1) FlexKleen 36-BVS-9-IT-G, 230 scfm

S50 Soda Ash Storage Bins abated by:
A50 Dust Collector (B3) FlexKleen 36-BVS-9-IT- G, 230 scfm

S52 Sand Storage Bins (4) abated by :
A520 Dust Collector (B4) FlexKleen 36-BVS-9-IT-G, 230 scfm,
A521 Dust Collector (B4F) FlexKleen 36-BVS-9-IT-G, 230 scfm,
A522 Dust Collector (B5C) FlexKleen 36-BVS-9-IT-G, 230 scfm, set up in parallel

S56 Cullet Storage Bins (7) abated by:
A560 Dust Collector (B6) FlexKleen 36-BVS-9-IT-G, 230 scfm,
A561 Dust Collector (B6F) FlexKleen 36-BVS-9-IT-G, 230 scfm,
A562 Dust Collector (B7) FlexKleen 36-BVS-9-IT-G, 230 scfm,
A563 Dust Collector (B9) FlexKleen 36-BVS-9-IT-G, 230 scfm, set up in parallel

S58 Salt Cake Storage Area abated by:
A58 Dust Collector (B2) FlexKleen 36-BVS-9-IT-G, 230 scfm
(basis: cumulative increase)

2. By January 15, 2004, the permit holder shall install a District-approved manometer or other District-approved device which measures the pressure drop across A41, A42, A48, A50, A58, A520, A521, A522, A560, A561, A562, and A563. The pressure drop across each of the above mentioned Dust Collectors shall be no less than 1 inch of water and no greater than 15 inches of water. (basis: 2-6-501, 2-6-503, 6-310)
3. After installation, the owner/operator shall monitor the pressure drop across A41, A42, A48, A50, A520, A521, A522, A560, A561, A562, A563, and A58 at all times that the above sources are operated and recorded once a week to ascertain that the pressure drop is in the normal operating range, and that the baghouses are in good operating condition. The records shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501, 2-6-503)
4. The A41, A42, A48, A50, A520, A521, A522, A560, A561, A562, A563, and A58 Bagoes, shall be inspected on an annual basis to ensure proper operation. Records of each annual inspection shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501, 2-6-503)

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Condition #16592

Source S97; Baler

1. Particulate matter emissions from source S97, Baler, shall be routed under negative pressure to A3, Cyclone, for abatement at all times that the baler is operated and/or emits particulate matter emissions. (basis: cumulative increase)
2. Deleted per Source Test recommendation
3. The owner/operator of S97, Baler, shall conduct weekly visible emissions monitoring in order to determine compliance with BAAQMD Regulation 6-1-301 and SIP Regulation 6-301 using either District method or EPA Method 9, and shall not exceed a Ringelmann 1.0. Weekly records of visible emissions data shall be retained on site for at least five years from the date of entry and be made available to District staff upon request. (basis: Regulation 2-6-501, 2-6-503)

Condition #20003

Sources S12, Glass Melting Furnace
Application 5183

1. deleted
2. deleted
3. deleted
4. The owner/operator of S12 shall install the identical number (10) of burners to those being replaced. The replaced combustion system shall not increase firing rate of S12. The new combustion system shall include the Individual Port Control as described in the documents dated 10/14/02 and shall also include oxygen-enriched air staging (OEAS) as described in the documents dated 10/15/02. (2-1-301)
5. The owner/operator of S12 shall not exceed 4.0 pounds of NO_x per ton pulled averaged over any consecutive 3 hour period. (cumulative increase)
6. The owner/operator of S12 shall not exceed 0.70 pounds of CO per ton pulled averaged over any consecutive 3 hour period. (cumulative increase)
7. The owner/operator of S12 shall operate a district approved NO_x and O₂ continuous emissions monitors (CEMs) and a flowmeter with a recorder within 180 days of receipt of this Authority to Construct. These monitors shall be used to determine compliance with

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part 5 of this condition. (cumulative increase)

8. The owner/operator of S12 shall conduct a district pre-approved source test annually at S12 in order to demonstrate compliance with parts 5 and 6 of this condition. The results of this source test shall be submitted to the district within 45 days of the test date. (cumulative increase)

9. The owner/operator of S12 shall maintain a District approved monthly log of all CEM data, flowmeter data, pull rate, and source test data for S12. This log shall be kept on site for at least five years from the date of entry and be made available to District staff upon request. (2-1-301)

10. In addition to the annual source test required by part 8 of this condition, the owner/operator shall conduct monthly monitoring of the CO concentration at this source using a portable monitor. Using the concentration and temperature measured by the portable monitor, the hourly glass pull rate, and the hourly flow rate recorded by the existing flow monitor, the owner/operator shall use the gas law to estimate the emissions of CO in lb/ton of glass pulled. If the estimate is 0.53 lb CO/ton or more, the owner/operator shall perform a source test within 30 days of the reading or after approval of the District's Source Test Group, whichever is later. (Basis: 2-6-503)

Condition #21614

Source S11

Plant 30, Application 9494

1. deleted

2. deleted

3. deleted

4. The owner/operator of S11 shall install the identical number (10) of burners to those being replaced. The replaced combustion system shall not increase firing rate of S11. The new combustion system shall include the Individual port control and shall also include oxygen-enriched air staging (OEAS). (basis: 2-1-301)

5. The owner/operator of S11 shall not exceed 4.0 pounds of NO_x per ton pulled averaged over any consecutive 3 hour period. (basis: cumulative increase)

6. The owner/operator of S11 shall not exceed 0.70 pounds of CO per ton pulled averaged over any consecutive 3 hour period. (basis: cumulative increase)

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7. The owner/operator of S11 shall install and operate a district approved NO_x and O₂ continuous emissions monitors (CEMs) and a fuel flowmeter with a recorder within 180 days of receipt of this Authority to Construct. These monitors and recorders shall be pre-approved by the district's source test manager. These monitors and recorders shall be used to determine compliance with part 5 of this condition. (basis: cumulative increase)
8. The owner/operator of S11 shall conduct a district pre-approved source test with 45 days of the startup and annually thereafter of S11 in order to demonstrate compliance with parts 5 and 6 of this condition. The results of these source tests shall be submitted to the district within 45 days of the test date. (basis: cumulative increase)
9. The owner/operator of S11 shall maintain a District approved daily log with monthly summaries of all CEM data, fuel flowmeter data, pull rate, source test data for S11, and any other information required to determine the stoichiometric exhaust flowrate. This log shall be kept on site for at least five years from the date of entry and be made available to District staff upon request. (basis: record keeping, 2-1-301)
10. In addition to the annual source test required by part 8 of this condition, the owner/operator shall conduct monthly monitoring of the CO concentration at this source using a portable monitor. Using the concentration and temperature measured by the portable monitor, the hourly glass pull rate, and the hourly flow rate recorded by the existing flow monitor, the owner/operator shall use the gas law to estimate the emissions of CO in lb/ton of glass pulled. If the estimate is 0.53 lb CO/ton or more, the owner/operator shall perform a source test within 30 days of the reading or after approval of the District's Source Test Group, whichever is later. (basis: 2-6-503)

Condition #22050

Sources S130, Natural Gas Fired Emergency Generator

CONDITIONS FOR NON "ESSENTIAL" EMERGENCY ENGINES:

Stationary Equipment Requirements

1. Hours of Operation: The owner/operator shall operate the emergency standby engine(s) only to mitigate emergency conditions or for reliability-related activities. Operating while mitigating emergency conditions is unlimited. Operating for reliability-related activities is limited to 50 hours per any calendar year. (Basis: Regulation 9-8-330)

"Emergency Conditions" is defined as any of the following:

- a. Loss of regular natural gas supply.
- b. Failure of regular electric power supply.
- c. Flood mitigation.
- d. Sewage overflow mitigation.

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- e. Fire.
- f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.
(Basis: Regulation 9-8-231)

"Reliability-related activities" is defined as any of the following:

- a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
- b. Operation of an emergency standby engine during maintenance of a primary motor.
(Basis: Regulation 9-8-232)

- 2. The owner/operator shall equip the emergency standby engine(s) with either:
 - a. a non-resettable totalizing meter that measures the hours of operation for the engine; or
 - b. a non-resettable fuel usage meter, the maximum hourly fuel rate shall be used to convert fuel usage to hours of operation.
(Basis: Regulation 9-8-530)

- 3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 2 years and shall make the log available for District inspection upon request:
 - a. Hours of operation (total).
 - b. Hours of operation (emergency).
 - c. For each emergency, the nature of the emergency condition.
 - d. Fuel usage for engine(s) if a non-resettable fuel usage meter is utilized.
(Basis: Regulations 9-8-530)

Condition 22820

Sources S131, S132, S133

- 1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing.
(Basis: "Regulation 2-5)
- 2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.

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(Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.

(Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)

4. Records: The owner/operator shall maintain the following monthly records in a District- approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).

(Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)

5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply.

The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

- a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
- b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)

VI. Permit Conditions

Condition #23142

Sources S25, S27, S29, S30, S32, S33 and S136

Applications Nos. 14034 & 17195

1. Particulate matter emissions from sources S25, S27, S29, S30, S32, S33, and S136, Hot End Bottle Surface Treatment shall be routed under negative pressure to A1 or A25 for abatement at all times that any Hot End Bottle Surface Treatment source is operated and/or emits particulate matter emissions. (basis: cumulative increase)
2. The owner/operator of S25, S27, S29, S30, S32, S33 and S136 shall not exceed 950 gallons of monobutyltin trichloride (MBTT) per source in any consecutive 12 month period. (basis: cumulative increase, offsets)
3. The owner/operator of S25, S27, S29, S30, S32, S33 and S136 shall not exceed the following emission rates: 0.62 lb POC/gallon of MBTT, 0.55 lb PM/gallon MBTT. (basis: cumulative increase/offsets)
- *4. The owner/operator of S25, S27, S29, S30, S32, S33 and S136 shall not exceed the following emission rates: 0.058 lb HCl/gallon of MBTT, and 0.85 lb NH₃/hour. (basis: Regulation 2, Rule 5)
5. The owner/operator of S25, S27, S29, S30, S32, S33 and S136 shall conduct a District-approved source test at the outlet of A1 that is downstream of S25, S27, S29, S30, S32, S33 and S136 once every 5 years after the initial source test conducted on February 13, 2007, in order to demonstrate compliance with parts #3 and 4 of this condition, and Regulations 6-1-310 and 6-1-311. The owner/operator of A25, Baghouse, shall conduct a District-approved source test at the outlet of A25 that is downstream of S25, S27, S29, S30, S32, S33 and S136 within 60 days of startup and once every 5 years after the initial source test, in order to demonstrate compliance with parts #3 and 4 of this condition, and Regulations 6-1-310 and 6-1-311. Glass throughput through each source shall be estimated during the source tests. The results of the source tests shall be submitted to District within 30 days of the test date. The source tests for PM shall include both TSP and condensable PM emissions as determined by EPA Method 5/202. (basis: cumulative increase, 6-1-310, 6-1-311)
6. The owner/operator shall maintain District-approved manometers or other District-approved devices which measure the pressure drop across the A1 and A25 Baghouses. The pressure drop shall be maintained between 1.0 and 9.0 inches of water. (basis: cumulative increase)

VI. Permit Conditions

7. The pressure drop across A1 and A25 shall be monitored at all times that the Hot End Bottle Surface Treatment sources are operated and recorded once a week to ascertain that the pressure drop is in the normal operating range, and the baghouses are in good operating condition. The records shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501)
8. The owner/operator of S25, S27, S29, S30, S32, S33 and S136 shall maintain a district approved monthly log of all material (MBTT) throughput for each HEST source, S25, S27, S29, S30, S32, S33 and S136, and of all source test results. This log shall be kept on site for at least 5 years from the date of entry and be made available to district staff upon request. (basis: cumulative increase)
9. The A1 and A25 Baghouses shall be inspected on an annual basis to ensure proper operation. Records of each annual inspection shall be kept on site for at least five years from the date of data entry and be made available to the District staff for inspection. (basis: Regulation 2-6-501)
10. The owner/operator shall perform a test using a tracer at A1 and A25 on an annual basis. A tracer will be released upstream of the baghouses. The owner/operator shall use an ultraviolet leak detection instrument to detect the tracer downstream of the baghouses. If any tracer is detected, the owner/operator will take corrective action to eliminate the leak and test again until no tracer is detected. (basis: Regulation 2-6-503)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), quarterly (Q), monthly (M), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for <= 3 min/hr	BAAQMD 6-1-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
	SIP 6-301	Y		Ringelmann 1.0 for <= 3 min/hr	SIP 6-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
	BAAQMD 6-1-302	N		20% opacity	BAAQMD 6-1-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
	SIP 6-302	Y		20% opacity	SIP 6-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
	BAAQMD 6-1-311	N		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
	SIP 6-311	Y		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
NOx	BAAQMD 9-12-301	Y		5.5 lb/ton	BAAQMD 9-12-404	P/A	Annual Source Test
NOx	BAAQMD 9-12-301	Y		5.5 lb/ton	BAAQMD Cond # 11930, part 3	C	CEM
NOx	BAAQMD Condition #11930, part 2	Y		212.7 ton NOx in any consecutive 12 month period	BAAQMD Cond # 11930, part 3	C	CEM
SO2	BAAQMD 9-1-301	Y		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11930, part 6	P/A	Annual Source Test
	BAAQMD 9-1-302	Y		Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11930, part 10	P/M	Portable analyzer

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Lead	BAAQMD 11-1-301	Y		15 lb/day	BAAQMD Cond # 11930, part 5	P/A	Annual Source Test
	BAAQMD 11-1-302	Y		GLC not to exceed 1.0 ug/m ³ , 24 hr. avg.		N	
Glass Production	BAAQMD Condition #11930, part 1	Y		125,000 ton/yr	BAAQMD Cond #11930, part 4a and 4c	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD 6-1-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	SIP 6-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
	BAAQMD 6-1-302	N		20% opacity	BAAQMD 6-1-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
	SIP 6-302	Y		20% opacity	SIP 6-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-12-301	Y		5.5 lb/ton	BAAQMD 9-12-404 and Condition #21614, part 8	P/A	Annual Source Test
	Condition #21614, part 5	Y		4.0 lb/ton	Condition #21614, part 7	C	Continuous emissions monitor
CO	Condition #21614, part 6	Y		0.70 lb/ton	Condition #21614, part 8	P/A	Annual Source Test
	Condition #21614, part 6	Y		0.70 lb/ton	Condition #21614, part 10	P/M	Portable monitor analysis
SO2	BAAQMD 9-1-301	Y		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11930, part 6	P/A	Annual Source Test
	BAAQMD 9-1-302	Y		Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11930, part 10	P/M	Portable analyzer
Lead	BAAQMD 11-1-301	Y		15 lb/day	BAAQMD Cond # 11930, part 5	P/A	Annual Source Test
Lead	BAAQMD 11-1-302	Y		GLC not to exceed 1.0 ug/m ³ , 24 hr. avg.		N	
Glass Production	BAAQMD Cond #11930, part 1	Y		125,000 ton/yr	BAAQMD Cond #11930, part 4b and 4c	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel flow	Condition #21614, part 7	N			Condition #21614, part 7	C	Continuous fuel flow meter
Metal HAP	40 CFR 63.11451, Table 1	Y		0.2 lb PM/ton glass pulled or 0.02 lb/ton metal HAP/ton glass pulled when using metal HAP	None	N	

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S12, GLASS MELTING FURNACE "E" NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD 6-1-501, BAAQMD Cond # 11931, part 6	C	Continuous Opacity Monitor
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	SIP 6-501, BAAQMD Cond # 11931, part 6	C	Continuous Opacity Monitor
	BAAQMD 6-1-302	N		20% opacity	BAAQMD 6-1-501, BAAQMD Condition # 11931, part 6	C	Continuous Opacity Monitor
	SIP 6-302	Y		20% opacity	SIP 6-501, BAAQMD Condition # 11931, part 6	C	Continuous Opacity Monitor
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition # 11931, part 5	P/A	Annual Source Test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 11931, part 5	P/A	Annual Source Test
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 11930, part 5	P/A	Annual Source Test
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 11930, part 5	P/A	Annual Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-12-301	Y		5.5 lb/ton	BAAQMD 9-12-404 and Condition #20003, part 8	P/A	Annual Source Test
	Condition #20003, part 5	Y		4.0 lb/ton	Condition #20003, part 7	C	Continuous emissions monitor
CO	Condition #20003, part 6	Y		0.70 lb/ton	Condition #20003, part 8	P/A	Annual Source Test
CO	Condition #20003, part 6	Y		0.70 lb/ton	Condition #20003, part 10	P/M	Portable monitor
SO2	BAAQMD 9-1-301	Y		GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Condition # 11931, part 4	P/A	Annual Source Test
	BAAQMD 9-1-302	Y		Sulfur dioxide emission not to exceed 300 ppm (dry)	BAAQMD Cond # 11931, part 8	P/M	Portable analyzer
Lead	BAAQMD 11-1-301	Y		15 lb/day	BAAQMD Condition # 11930, part 3	P/A	Annual Source Test
	BAAQMD 11-1-302	Y		GLC not to exceed 1.0 ug/m ³ , 24 hr. avg.		N	
Glass Production	BAAQMD Condition #11931, part 1	Y		110,000 ton/yr	BAAQMD Condition #11931, part 2	P/D	Record keeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S12, GLASS MELTING FURNACE "E" NATURAL GAS FIRED

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel flow	Condition #20003 part 7	N			Condition #20003, part 7	C	Continuous fuel flow meter
Metal HAP	40 CFR 63.11451, Table 1	Y		0.2 lb PM/ton glass pulled or 0.02 lb/ton metal HAP/ton glass pulled when using metal HAP	None	N	

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S25, S27, S29, S30, S32, S33 & S136,
HOT END BOTTLE SURFACE TREATMENT

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr		N	
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr		N	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #23142, parts 3 and 4	P/every five years	Source Test
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #23142, part 6	P/W	Pressure drop
	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Condition #23142, part 9	P/A	Inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S25, S27, S29, S30, S32, S33 & S136,
HOT END BOTTLE SURFACE TREATMENT

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #23142, parts 3 and 4	P/every five years	Source Test
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #23142, part 6	P/W	Pressure drop
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition #23142, part 9	P/A	Inspection
	BAAQMD 6-1-311	N		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Condition #23142, part 6	P/W	Pressure drop
	SIP 6-311	Y		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Condition #23142, part 6	P/W	Pressure drop
PM	BAAQMD Condition #23142, part 2	Y		0.55 lb PM/gal MBTT	BAAQMD Condition #23142, parts 3 and 4	P/every five years	Source Test
VOC	BAAQMD 8-4-302.2	Y		VOC emissions < 5 tpy	BAAQMD 8-4-501	P/A	Records of coatings
VOC	BAAQMD 8-4-302.2	Y		VOC emissions < 5 tpy	BAAQMD 8-4-501	P/M	Records of cleanup solvent
POC	BAAQMD Condition #23142, part 2	Y		0.62 lb POC/gal MBTT	BAAQMD Condition #23142, parts 3 and 4	P/every five years	Source Test
	BAAQMD Condition #23142, part 2	Y		0.62 lb POC/gal MBTT	BAAQMD Condition #23142, part 10	P/A	Tracer test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S25, S27, S29, S30, S32, S33 & S136,
HOT END BOTTLE SURFACE TREATMENT

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NH3	BAAQMD Condition #23142, part 2	N		0.85 lb NH3/gal MBTT	BAAQMD Condition #23142, parts 3 and 4	P/ every five years	Source Test
HCl	BAAQMD condition 23142, part 2	N		0.058 lb HCl/gal MBTT	BAAQMD Condition #23142, parts 3 and 4	P/every five years	Source Test
	BAAQMD condition 23142, part 2	N		0.058 lb HCl/gal MBTT	BAAQMD Condition #23142, part 10	P/A	Tracer test
MBTT Throughput	BAAQMD condition 23142, Part 1	N		950 gal/yr per source	BAAQMD condition 23142, Part 8	P	Record Keeping

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S39, RAW MATERIAL UNLOADING STATION,
S57, ECOLOGY CULLET ELEVATOR,

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Condition # 15855, part 2	P/W	Visible emission monitoring
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Condition # 15855, part 2	P/W	Visible emission monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S41 & S42, BATCH MIXERS A & B, S48, LIME STORAGE BINS,
S50, SODA ASH STORAGE BINS, S52, SAND STORAGE BINS,
S56, CULLET STORAGE BINS,
S58, SALT CAKE STORAGE AREA

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Condition # 16591, parts 2 and 3	P/W	Pressure Drop monitoring
	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Condition # 16591, part 4	P/A	Annual inspection
Opacity	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Condition # 16591, parts 2 and 3	P/W	Pressure Drop monitoring
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Condition # 16591, part 4	P/A	Annual inspection
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf	BAAQMD Condition # 16591, parts 2 and 3	P/W	Pressure Drop monitoring
	BAAQMD 6-1-310	Y		0.15 gr/dscf	BAAQMD Condition # 16591, part 4	P/A	Annual inspection
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 16591, parts 2 and 3	P/W	Pressure Drop monitoring
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 16591, part 4	P/A	Annual inspection

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S41 & S42, BATCH MIXERS A & B, S48, LIME STORAGE BINS,
S50, SODA ASH STORAGE BINS, S52, SAND STORAGE BINS,
S56, CULLET STORAGE BINS,
S58, SALT CAKE STORAGE AREA

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 16591, parts 2 and 3	P/W	Pressure Drop monitoring
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 16591, part 4	P/A	Annual inspection
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 16591, parts 2 and 3	P/W	Pressure Drop monitoring
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Condition # 16591, part 4	P/A	Annual inspection
Pressure Drop	BAAQMD Condition #16591, part 2	N		1" – 15" H2O	BAAQMD Condition #16591, part 3	P/W	Pressure Drop monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
Applicable Limits and Compliance Monitoring Requirements
S43, CULLET CRUSHER, S44, SAND ELEVATOR

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr		N	
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr		N	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf		N	
	SIP 6-310	Y		0.15 gr/dscf		N	
FP	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	
	SIP 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr		N	

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S67, MOLD REPAIR SPRAY BOOTH

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Cond # 15855 part 2	P/W	Visible emission monitoring
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Cond # 15855, part 2	P/W	Visible emission monitoring
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Cond # 15855 part 2	P/W	Visible emission monitoring
	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Cond # 15855, part 2	P/W	Visible emission monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – J
Applicable Limits and Compliance Monitoring Requirements
S76, S77, S79 to S81, S83, S84, S135 FORMING MACHINES

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Condition # 15855, part 2	P/W	Visible emission monitoring
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Cond # 15855, part 2	P/W	Visible emission monitoring
Organic compounds	8-4-302.1	Y		VOC emissions less than 5 tpy for each source	8-4-501	P/A	Recordkeeping

Table VII – K
Applicable Limits and Compliance Monitoring Requirements
S97, BALER

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301	N		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Cond # 16592, part 3	P/W	Visible emission monitoring
	SIP 6-301	Y		Ringelmann 1.0 for ≤ 3 min/hr	BAAQMD Cond # 16592, part 3	P/W	Visible emission monitoring
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	BAAQMD Cond # 16592, part 3	P/W	Visible emission monitoring
FP	SIP 6-310	Y		0.15 gr/dscf	BAAQMD Cond # 16592, part 3	P/W	Visible emission monitoring
	BAAQMD 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Cond # 16592, part 3	P/W	Visible emission monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – K
 Applicable Limits and Compliance Monitoring Requirements
 S97, BALER**

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP 6-311	Y		4.10P ^{0.67} lb/hr, where P is process weight, ton/hr	BAAQMD Cond # 16592, part 3	P/W	Visible emission monitoring

**Table VII – L
 Applicable Limits and Compliance Monitoring Requirements
 S130 Emergency Electric Generator, Natural gas fired, 188 hp**

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303	N		Ringelmann 2.0 for ≤ 3 min/hr	none	N	N/A
	SIP 6-303	Y		Ringelmann 2.0 for ≤ 3 min/hr	none	N	N/A
FP	BAAQMD 6-1-305	N		Visible particulates	None	N	
	SIP 6-305	Y		Visible particulates	None	N	
	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	
	SIP 6-310	N		0.15 gr/dscf	None	N	
SO2	BAAQMD 9-1-302	Y		SO2 < 300 ppm	None	N	
records	BAAQMD 9-8-330.3	N		50 hours of operation for testing and maintenance	9-8-530	P/M	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – M
Applicable Limits and Compliance Monitoring Requirements
S131 Diesel Engine, Emergency Standby, 335 hp
S132 Diesel Engine, Emergency Standby, 610 hp
S133 Diesel Engine, Emergency Standby, 369 hp

Type of limit	Citation of Limit	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303	N		Ringelmann 2.0 for ≤ 3 min/hr	none	N	N/A
	SIP 6-303	Y		Ringelmann 2.0 for ≤ 3 min/hr	none	N	N/A
FP	BAAQMD 6-1-305	N		Visible particulates	6-601	P/E	
	SIP 6-305	Y		Visible particulates	6-601	P/E	
	BAAQMD 6-1-310	N		0.15 gr/dscf			
	SIP 6-310	Y		0.15 gr/dscf			
SO2	BAAQMD 9-1-304	Y		Sulfur content of liquid fuel $\leq 0.5\%$ by weight	None	N	
records	BAAQMD 9-8-330	N		Hours of operation	9-8-530	P/M	Recordkeeping
Hours of operation	BAAQMD Regulation 9-8-330.1	N		Emergency use for an unlimited number of hours	BAAQMD Regulation 9-8-530	P	Records
Hours of operation	40 CFR 63, Subpart ZZZZ, 63.6640 (f)(1)(ii)	Y		Maintenance checks and readiness testing less than 100 hr/yr	40 CFR Part 63, Subpart ZZZZ, 63.6655(e)	P	Records
Hours of operation	BAAQMD Condition #22820, part 1	N		Reliability related activities less than 20 hr/yr	BAAQMD Condition #22820, parts 3 & 4	P/M	Records
Hours of operation	ATCM Section 93115.6(b)	N		Reliability related activities less than 20 hr/yr	BAAQMD Condition #22820, parts 3 & 4	P/M	Records

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

**Table VII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, P or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources articulate Sampling
SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, P or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources articulate Sampling
BAAQMD 6-1-311	General Operations	Manual of Procedures, Volume IV, ST-15 Particulate Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
SIP 6-311	General Operations	Manual of Procedures, Volume IV, ST-15 Particulate Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-12-301	Emission Limit, NOx	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling or EPA Method 7E, 40 CFR Part 60 Appendix A

VIII. Test Methods

Table VII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 11-1-301	Daily Limitation, Lead	Manual of Procedures, Volume IV, ST-9, Lead
SIP 11-1-301	Daily Limitation, Lead	Manual of Procedures, Volume IV, ST-9, Lead

IX. PERMIT SHIELD

A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table[s] do not apply to the source or group of sources identified at the top of the table[s]. Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Table IX A - 1
Permit Shield for Non-applicable Requirements
S10, S11, S12, GLASS MELTING FURNACES

Citation	Title or Description (Reason not applicable)
40 CFR 60, Subpart CC	Standards of Performance for Glass Manufacturing Plants (Rebricking of the furnace, which occurs every several years, does not meet the definition of reconstruction under 40 CFR 60.15.)

X. REVISION HISTORY

Title V Permit Issuance (Application 25846):	January 5, 2000
Minor Revision/Administrative Permit Amendment: (no application) Corrections in capacity of S11, Furnace; S12, Furnace; and S39, Raw Material Unloading Station. Change in the deadline for installation of NOx monitor. Change in recordkeeping for glass production. Condition I.J added to standard conditions regarding enforceability of stated capacity.	October 2, 2000
Replacement of Responsible Official (no application)	September 24, 2001
Significant Revision (Applications 6869/6876) Deletion source test requirement for S39, S57, S75-S77, S79-S81, S83, S84, S97 Corrected citation of abatement devices for S43, S44, S48, S50, S52, S56, S58 Monitoring has been removed from S43 and S44 The description of the BAAQMD 6-301 limit in BAAQMD Condition 15855, part 2 has been corrected to say "for no more than three minutes in any hour." The description of the BAAQMD 6-301 limit in Section VII has been corrected to say "for \leq 3 min/hr." BAAQMD 6-310 and 6-311 were deleted from the Section IV and VII tables for S39, S57, S75-S77, S79-S81, S83, and S84, because these standards apply only to sources that have stacks. The term "TSP" in Section VII has been changed to "FP", which means "filterable particulate." The dates in Section I.A.1 were updated. Section I.A.11, which requires the responsible official to certify all documents submitted, was added to conform to changes in Regulation 2, Rule 6. Section I.E.1 requiring the permit holder to provide any information, records, and reports requested or specified by the APCO, was added because it was omitted in error. Section I.H was modified to conform to the current standard.	July 15, 2004
Significant Revision, continued (Applications 6869/6876) The Abatement device table, II-B, has been modified so that there is no confusion between the citation of standards and the standards themselves.	July 15, 2004

X. Revision History

Sections III, IV, and XI have been modified because SIP standards are now found on EPA's website and are not included as part of the permit.
40 CFR Part 61, Subpart M, National Emission Standard for Asbestos, was added to Section III. This standard is equivalent to BAAQMD Regulation 11, Rule 2, which has been cited in the permit since it was issued in 2000. Therefore, this is not a substantive change.
The standard language in the Section IX, Permit Shield, was updated.
The glossary was updated.

Condition #16591, part 4, has been amended to include the correct list of abatement devices and remove A1 since it is already contained in Condition #8395.

Renewal of Title V Permit (Application 10138) March 21, 2006

Minor Revision (Application 17196) October 14, 2009

Section I.B.1, permit dates have been corrected to reflect the March 21, 2006 renewal.

Change surface treatment agent from stannic chloride to Monobutyltin Trichloride (MBTT) at Sources S25, S27, S29, S30, S32, and S33 Hot Bottle Surface Treatment. Permit Condition #8395 was deleted and replaced with Permit Condition #23142 (Application # 14034).

Sources S135, C-1a Forming Line, and S136, HEST, replaced sources S75, C-1 Forming Line, and S24 and 31, HEST. (Application #17195).

Administrative Amendment (Application 21992) July 19, 2010

Replacement of Responsible Official

Administrative Amendment (Application 23026) March 9, 2011

Replacement of Responsible Official

Renewal of Title V Permit (Application 22604) January 27, 2014

XI. GLOSSARY

ACT

Federal Clean Air Act

APCO

Air Pollution Control Officer

API

American Petroleum Institute

ARB

Air Resources Board

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CEQA

California Environmental Quality Act

CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO

Carbon Monoxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

FP

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

XI. Glossary

Major Facility

A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MBTT

Monobutyltin trichloride

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP

The District's Manual of Procedures.

NAAQS

National Ambient Air Quality Standards.

NESHAPs

National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC

Non-methane Hydrocarbons.

NOx

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NOx, PM10, and SO2.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds.

PM

Total Particulate Matter.

PM10

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns.

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

XI. Glossary

SO₂
Sulfur dioxide.

Title V
Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

VOC
Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m ²	=	square meter
min	=	minute
mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year