

# Bay Area Air Quality Management District

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

---

---

## Proposed

# MAJOR FACILITY REVIEW PERMIT

Issued To:

**Owens-Brockway Glass Container Inc.**  
**Facility # A0030**

**Facility Address:**

3600 Alameda Avenue  
Oakland, CA 94601

**Mailing Address:**

One Seagate  
Toledo, Ohio 43666

### Responsible Official

~~Dwayne A. Wender~~ Louis L. Broline, Plant Manager  
510-436-2056

### Facility Contact

~~Ken Tanner~~ Bill Boscacci  
419-247-7519 510-436-2166

---

---

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

**BAAQMD Permit Division Contact:**  
Gregory Solomon

**ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

---

Jack Broadbent, Executive Officer/Air Pollution Control Officer

Date

## TABLE OF CONTENTS

I.	STANDARD CONDITIONS.....	2
II.	EQUIPMENT LIST .....	6
III.	GENERALLY APPLICABLE REQUIREMENTS .....	11
IV.	SOURCE-SPECIFIC APPLICABLE REQUIREMENTS.....	13
V.	SCHEDULE OF COMPLIANCE .....	30
VI.	PERMIT CONDITIONS.....	30
VII.	APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS .....	41
VIII.	TEST METHODS .....	54
IX.	PERMIT SHIELD.....	55
X.	REVISION HISTORY .....	56
XI.	GLOSSARY.....	58

## 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 5/2/01);

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 ~~6/15/05~~~~8/1/04~~);

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~~~~5/17/00~~);

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~~~~5/17/00~~); and

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

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

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

1. This Major Facility Review Permit was issued on January 5, 2000 and expires on December 31, 2004. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 30, 2004, and no earlier than December 31, 2004. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after December 31, 2004. If the permit renewal has not been issued by January 5, 2005, 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 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)

## I. Standard Conditions

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. (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)

### D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which 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)

## I. Standard Conditions

### 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, Regulation 3; 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. ~~The first reporting period for this permit shall be January 5, 2000 to June 30, 2000. The report shall be submitted by July 31, 2000. Subsequent r~~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, Regulation 3; 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 to 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 permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the 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

## **I. Standard Conditions**

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
S-10	Glass Melting Furnace "C" Natural Gas Fired	External Natural Gas Combustion, Non- Premix	NA	405 tons/day, 51 MM BTU/hr max
S-11	Glass Melting Furnace "D" Natural Gas Fired	External Natural Gas Combustion, Non- Premix	NA	357 tons/day, 53 MM BTU/hr max
S-12	Glass Melting Furnace "E" Natural Gas Fired	External Natural Gas Combustion, Non- Premix	NA	314 tons/day, 44 MM BTU/hr max
S-24	Hot End Bottle Surface Treatment	Stannic chloride	NA	1.7 lb/hr max
S-25	Hot End Bottle Surface Treatment	Stannic chloride	NA	1.7 lb/hr max
S-27	Hot End Bottle Surface Treatment	Stannic chloride	NA	1.7 lb/hr max
S-29	Hot End Bottle Surface Treatment	Stannic chloride	NA	1.7 lb/hr max
S-30	Hot End Bottle Surface Treatment	Stannic chloride	NA	1.7 lb/hr max
S-31	Hot End Bottle Surface Treatment	Stannic chloride	NA	1.7 lb/hr max
S-32	Hot End Bottle Surface Treatment	Stannic chloride	NA	1.7 lb/hr max
S-33	Hot End Bottle Surface Treatment	Stannic chloride	NA	1.7 lb/hr max
S-39	Raw material unloading station	Not available	NA	60 tph max
S-41	Batch Mixer A	T.L. Smith	Serial #272	50 hp, 55 tons per hour
S-42	Batch mixer B	T.L. Johnson	Serial #711	60 hp, 55 tons per hour
S-43	Cullet crusher	Kue-Ken, Jaw Type	Model #56	110 tons/hr max
S-44	Sand elevator	Batching, Gravel/Sand	NA	NA
S-48	Lime storage bins	Lime	NA	NA
S-50	Soda ash storage bins	Material storage	NA	4 tons/hr max
S-52	Sand storage bins	Gravel / sand	NA	NA

## 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
S-56	Cullet storage bins	Glass	NA	NA
S-57	Ecology cullet elevator	Standard metal	NA	100 tons/hr max
S-58	Salt cake storage area	Salt cake	NA	20 tons/hr max
S-63	Mold repair shop	Solvent cleaning	NA	385 gals/yr net solvent usage
S-67	Mold repair coating oven (electric)	NA	NA	0.7 tons/hr max
S-75	Forming machines	IS-8E Double Gob	NA	0.0004 thousand gallons per hour
S-76	Forming machines	IS-8E Double Gob	NA	0.4 gallons lube oil per hour
S-77	Forming machines	IS-6F Double Gob	NA	0.4 gallons lube oil per hour
S-79	Forming machines	IS-8E Double Gob	NA	0.4 gallons lube oil per hour
S-80	Forming machines	IS-6E Double Gob	NA	0.4 gallons lube oil per hour
S-81	Forming machines	IS-6E Double Gob	NA	0.4 gallons lube oil per hour
S-83	Forming machines	IS-6E Double Gob	NA	0.4 gallons lube oil per hour
S-84	Forming machines	IS-6E Double Gob	NA	0.4 gallons lube oil per hour
S-97	Baler	Miscellaneous Chemicals	NA	2 tons/hr max
<u>S-130</u>	<u>Emergency electric Generator, Natural Gas fired</u>	<u>Waukaesha</u>	<u>F1197GU</u>	<u>188 hp</u>
<u>S-131</u>	<u>Emergency Diesel Engine</u>	<u>Fairbanks</u>	<u>50A6T-6</u>	<u>335 hp</u>
<u>S-132</u>	<u>Emergency Diesel Engine</u>	<u>caterpillar</u>	<u>379A</u>	<u>610 hp</u>
<u>S-133</u>	<u>Emergency Diesel Engine</u>	<u>Allis Chalmer</u>	<u>25000</u>	<u>369 hp</u>



## II. Equipment List

**Table II - B - Abatement Devices**

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-1	Pulseflo Fabric Filter, Tin System	S-24, S-25, S-27, S-29, S-30, S-31, S-32, S-33	BAAQMD 6-301	<u>1" – 9" H<sub>2</sub>O</u>	Ringelmann 1 for < 3 min/hr
		S-24, S-25, S-27, S-29, S-30, S-31, S-32, S-33	BAAQMD 6-310		0.15 gr/dscf
A-3	Corrugated Cyclone	S-97	BAAQMD 6-301		Ringelmann 1 for < 3 min/hr
		S-97	BAAQMD 6-310		0.15 gr/dscf
A-9	ESP	S-11, S-12	BAAQMD 6-301		Ringelmann 1 for < 3 min/hr
		S-11, S-12	BAAQMD 6-310		0.15 gr/dscf
A-41	Dust Collector	S-41	BAAQMD 6-301	<u>1" – 15" H<sub>2</sub>O</u>	Ringelmann 1 for < 3 min/hr
		S-41	BAAQMD 6-310	<u>1" – 15" H<sub>2</sub>O</u>	0.15 gr/dscf
A-42	Dust Collector	S-42	BAAQMD 6-301	<u>1" – 15" H<sub>2</sub>O</u>	Ringelmann 1 for < 3 min/hr
		S-42	BAAQMD 6-310	<u>1" – 15" H<sub>2</sub>O</u>	0.15 gr/dscf
A-48	Dust Collector	S-48	BAAQMD 6-301	<u>1" – 15" H<sub>2</sub>O</u>	Ringelmann 1 for < 3 min/hr
		S-48	BAAQMD 6-310	<u>1" – 15" H<sub>2</sub>O</u>	0.15 gr/dscf

## II. Equipment List

**Table II - B - Abatement Devices**

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-50	Dust Collector	S-50	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr
		S-50	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf
A-58	Dust Collector	S-58	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr
		S-58	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf
A-520	Dust Collector	S-52	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr ,
		S-52	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf
A-521	Dust Collector	S-52	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr
		S-52	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf
A-522	Dust Collector	S-52	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr ,
		S-52	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf
A-560	Dust Collector	S-56	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr
		S-56	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf
A-561	Dust Collector	S-56	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr
		S-56	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf

## II. Equipment List

**Table II - B - Abatement Devices**

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-562	Dust Collector	S-56	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr
		S-56	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf
A-563	Dust Collector	S-56	BAAQMD 6-301	<u>1" -15" H2O</u>	Ringelmann 1 for < 3 min/hr ,
		S-56	BAAQMD 6-310	<u>1" -15" H2O</u>	0.15 gr/dscf

### 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 SIP requirements is 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.included+at+the+end+of+this+permit>

**NOTE:**

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. ~~For specific information, contact the District's Rule Development Section of the Enforcement Division.~~ 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 (5/02/01)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
<u>BAAQMD Regulation 2, Rule 1</u>	<u>General Requirements (12/21/04)</u>	<u>N</u>
<u>BAAQMD 2-1-429</u>	<u>Federal Emissions Statement (6/7/95)</u>	<u>Y</u>
<u>SIP Regulation 2, Rule 1</u>	<u>General Requirements (1/26/99)</u>	<u>Y</u>
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y

### III. Generally Applicable Requirements

**Table III  
 Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
<u>BAAQMD Regulation 5</u>	<u>Open Burning (3/6/02)</u>	<u>N</u>
SIP BAAQMD Regulation 5	Open Burning (11/2/94)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
<u>BAAQMD Regulation 8, Rule 2</u>	<u>Organic Compounds – Miscellaneous Operations (6/15/94)</u>	<u>Y</u>
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
<u>BAAQMD Regulation 8, Rule 40</u>	<u>Aeration of Contaminated Soil and Removal of Underground Storage Tanks</u>	<u>N</u>
<u>BAAQMD Regulation 8, Rule 47</u>	<u>Air Stripping and Soil Vapor Extraction Operations</u>	<u>N</u>
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 ( <del>12/20/95</del> /17/02)	N
<u>SIP Regulation 8, Rule 51</u>	<u>Organic Compounds - Adhesive and Sealant Products (2/26/02)</u>	<u>Y</u>
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y
<u>California Health and Safety Code Section 41750 et seq</u>	<u>Portable Equipment</u>	<u>N</u>
<u>California Health and Safety Code Section 44300 et seq</u>	<u>Air Toxics “Hot Spots” Information and Assessment Act of 1987</u>	<u>N</u>
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	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 SIP requirements is 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> included at the end of this permit. All other text may be found in the regulations themselves.

~~The full text of each permit condition cited in each table is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is included at the end of this permit. All other text may be found in the regulations themselves.~~

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/4702/010)</b>		
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	
<b><u>SIP BAAQMD Regulation 1</u></b>	<b><u>General Provisions and Definitions (10/7/98)</u></b>		

#### IV. Source-specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-10, GLASS MELTING FURNACE “C” NATURAL GAS FIRED**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
1-520	<u>Continuous Emission Monitoring</u>	<u>Y</u>	
1-520.8	<u>Monitors required per Reg. 2-1-403</u>	<u>Y</u>	
1-521	<u>Monitoring May Be Required</u>	<u>Y</u>	
1-522	<u>Continuous Emission Monitoring and Record Keeping Procedures</u>	<u>Y</u>	
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
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	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
<b>BAAQMD Regulation 9, Rule 12</b>	<b>Inorganic Gaseous Pollutants, Nitrogen Oxides From Glass Melting Furnaces (1/19/94)</b>		
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	

#### IV. Source-specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-10, GLASS MELTING FURNACE “C” NATURAL GAS FIRED**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
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	
<b>BAAQMD Manual of Procedures, Volume V</b>	<b>Continuous Emission Monitoring Policy and Procedures (1/20/82)</b>	Y	
<b>BAAQMD Regulation 11, Rule 1</b>	<b>Lead (3/17/82)</b>		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
<b>Condition #11930</b>			
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	



#### IV. Source-specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
part 7	Annual source test for particulate (basis: 2-6-501)	Y	
part 8	Continuous opacity monitors (basis: 6-501)	Y	

#### IV. Source-specific Applicable Requirements

**Table IV – B**  
**Source-specific Applicable Requirements**  
**S-11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/1702/001)</b>		
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	
<b>SIP BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (10/7/98)</b>		
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	
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
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	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
<b>BAAQMD Regulation 9, Rule 12</b>	<b>Inorganic Gaseous Pollutants, Nitrogen Oxides From Glass Melting Furnaces (1/19/94)</b>		
9-12-301	Emission Limit	Y	
9-12-402	Furnace Operating Parameters for Source Tests	Y	

#### IV. Source-specific Applicable Requirements

**Table IV – B**  
**Source-specific Applicable Requirements**  
**S-11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
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	
<b>BAAQMD Regulation 11, Rule 1</b>	<b>Lead (3/17/82)</b>		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
<b>BAAQMD Manual of Procedures, Volume V</b>	<b>Continuous Emission Monitoring Policy and Procedures (1/20/82)</b>	Y	
<b>Condition #11930</b>			
Part 1	Throughput limit (basis: emissions banking)	Y	

#### IV. Source-specific Applicable Requirements

**Table IV – B**  
**Source-specific Applicable Requirements**  
**S-11, GLASS MELTING FURNACE “D” NATURAL GAS FIRED**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 SO <sub>2</sub> (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 9	Electrostatic precipitator (basis: Regulation 2-1-301)	N	
<b><u>Condition #21614</u></b>			
<u>Part 1</u>	<u>deleted</u>	<u>N</u>	
<u>Part 2</u>	<u>deleted</u>	<u>N</u>	
<u>Part 3</u>	<u>deleted</u>	<u>N</u>	
<u>Part 4</u>	<u>Limits number of burners and size (basis 2-1-301)</u>	<u>N</u>	
<u>Part 5</u>	<u>NO<sub>x</sub> emissions limit (basis cumulative increase)</u>	<u>N</u>	
<u>Part 6</u>	<u>CO emissions limit (basis cumulative increase)</u>	<u>N</u>	
<u>Part 7</u>	<u>NO<sub>x</sub> and O<sub>2</sub> CEM installation (basis cumulative increase)</u>	<u>N</u>	
<u>Part 8</u>	<u>Source test requirement (basis cumulative increase)</u>	<u>N</u>	
<u>Part 9</u>	<u>Record keeping (basis 2-6-501)</u>	<u>Y</u>	

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/1702/001)</b>		
1-520	Continuous Emission Monitoring	<del>N</del>	
1-520.8	Monitors required per Reg. 2-1-403	<del>Y</del> N	
1-521	Monitoring May Be Required	<del>N</del>	

#### IV. Source-specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
1-522	Continuous Emission Monitoring and Record Keeping Procedures	<del>Y</del> N	
<b>SIP</b> <b>BAAQMD</b> <b>Regulation 1</b>	<b><u>General Provisions and Definitions (10/7/98)</u></b>		
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	
<b>BAAQMD</b> <b>Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
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	
<b>BAAQMD</b> <b>Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
<b>BAAQMD</b> <b>Regulation 9, Rule 12</b>	<b>Inorganic Gaseous Pollutants, -Nitrogen Oxides From Glass Melting Furnaces (1/19/94)</b>		
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	

#### IV. Source-specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
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	
<b>BAAQMD Regulation 11, Rule 1</b>	<b>Lead (3/17/82)</b>		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
<b>BAAQMD Manual of Procedures, Volume V</b>	<b>Continuous Emission Monitoring Policy and Procedures (1/20/82)</b>	Y	
<b>Condition #11931</b>			
Part 1	Throughput limit (basis: emissions banking)	Y	
Part 2	Recordkeeping (basis: emissions banking)	Y	
part 2a	Recordkeeping procedure (basis: emissions banking)	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-12, GLASS MELTING FURNACE “E” NATURAL GAS FIRED**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
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: <del>Regulation</del> 2-1-301)	N	
<b><u>Condition #20003</u></b>			
<u>Part 1</u>	<u>deleted</u>	<u>N</u>	
<u>Part 2</u>	<u>deleted</u>	<u>N</u>	
<u>Part 3</u>	<u>deleted</u>	<u>N</u>	
<u>Part 4</u>	<u>Limits number of burners and size (basis 2-1-301)</u>	<u>N</u>	
<u>Part 5</u>	<u>NOx emissions limit (basis cumulative increase)</u>	<u>N</u>	
<u>Part 6</u>	<u>CO emissions limit (basis cumulative increase)</u>	<u>N</u>	
<u>Part 7</u>	<u>NOx and O2 CEM installation (basis cumulative increase)</u>	<u>N</u>	
<u>Part 8</u>	<u>Source test requirement (basis cumulative increase)</u>	<u>N</u>	
<u>Part 9</u>	<u>Record keeping (basis 2-6-501)</u>	<u>Y</u>	

#### IV. Source-specific Applicable Requirements

**Table IV - D**  
**Source-specific Applicable Requirements**  
**S-24, S-25, S-27, S-29, S-30, S-31, S-32, & S-33,**  
**HOT END BOTTLE SURFACE TREATMENT**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 1</b> <b>BAAQMD Regulation 6</b>	<b>General Provisions and Definitions (5/02/01) Particulate Matter and Visible Emissions (12/19/90)</b>		
1-523	Parametric Monitoring and Record Keeping Procedures	N	
<b>SIP BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (10/7/98)</b>		
1-523	Parametric Monitoring and Record Keeping Procedures	Y	
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
<b>Condition #8395</b>			
part 1	Particulate Weight Limitation (basis: <del>Reg-6-310</del> )	Y	
part 2	Ammonia Emission Limit (basis: <del>Reg-7-303</del> )	N	
part 3	Abatement Requirement (basis: cumulative increase)	Y	
part 4	Pressure Drop Monitoring Requirement (basis: <del>Regulation-2-6-501</del> )	Y	
part 5	Recordkeeping (basis: <del>Regulation-2-6-501</del> )	Y	
part 6	Annual Baghouse Inspection (basis: <del>Regulation-2-6-501</del> )	Y	



#### IV. Source-specific Applicable Requirements

**Table IV - E**  
**Source-specific Applicable Requirements**  
**S-39, RAW MATERIAL UNLOADING STATION,**  
**S-57, ECOLOGY CULLET ELEVATOR**  
**S-75 to S-77, S-79 to S-81, FORMING MACHINES**  
**S-83 to S-84, FORMING MACHINES**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-401	Appearance of Emissions	Y	
<b>Condition #15855</b>			
Part 2	Weekly Visible Emissions Monitoring (basis: <del>Regulation 2-6-501</del> )	Y	

**Table IV - F**  
**Source-specific Applicable Requirements**  
**S-41 & 42, BATCH MIXERS A & B, S-48, LIME STORAGE BINS**  
**S-50, SODA ASH STORAGE BINS**  
**S-52, SAND STORAGE BINS, S-56, CULLET STORAGE BINS**  
**S-58, SALT CAKE STORAGE AREA**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 1BAAQMD Regulation 6</b>	<b>General Provisions and Definitions (5/02/01) <del>Particulate Matter and Visible Emissions (12/19/90)</del></b>		
1-523	Parametric Monitoring and Record Keeping Procedures	N	

#### IV. Source-specific Applicable Requirements

**Table IV - F**  
**Source-specific Applicable Requirements**  
**S-41 & 42, BATCH MIXERS A & B, S-48, LIME STORAGE BINS**  
**S-50, SODA ASH STORAGE BINS**  
**S-52, SAND STORAGE BINS, S-56, CULLET STORAGE BINS**  
**S-58, SALT CAKE STORAGE AREA**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>SIP</b> <b>BAAQMD</b> <b>Regulation 1</b>	<b><u>General Provisions and Definitions (10/7/98)</u></b>		
1-523	<u>Parametric Monitoring and Record Keeping Procedures</u>	Y	
<b>BAAQMD</b> <b>Regulation 6</b>	<b><u>Particulate Matter and Visible Emissions (12/19/90)</u></b>		
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	
<b>Condition</b> <b>#16591</b>			
part 1	Abatement Requirement (basis: cumulative increase)	Y	
part 2	Pressure Drop Monitoring Requirement (basis: <del>Regulation</del> -2-6-501)	Y	
part 3	Recordkeeping (basis: <del>Regulation</del> -2-6-501)	Y	
part 4	Annual Baghouse Inspection (basis: <del>Regulation</del> -2-6-501)	Y	

**Table IV - G**  
**Source-specific Applicable Requirements**  
**S-43, CULLET CRUSHER**  
**S-44, SAND ELEVATOR**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD</b> <b>Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		

#### IV. Source-specific Applicable Requirements

**Table IV - G**  
**Source-specific Applicable Requirements**  
**S-43, CULLET CRUSHER**  
**S-44, SAND ELEVATOR**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
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	

#### IV. Source-specific Applicable Requirements

**Table IV - H**  
**Source-specific Applicable Requirements**  
**S-63, MOLD REPAIR SHOP**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule-16</b>	<b>ORGANIC COMPOUNDS-SOLVENT CLEANING OPERATIONS (10/16/02)</b>		
8-16-501.2	Solvent Records	Y	

**Table IV - I**  
**Source-specific Applicable Requirements**  
**S-67, MOLD REPAIR COATING OVEN**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann Number 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 8, Rule-2</b>	<b>Organic Compounds-Miscellaneous Operations</b>		
8-2-301	Emissions limit	Y	
<b>Condition #15855</b>			
Part 2	Weekly Visible Emissions Monitoring (basis: <del>Regulation 2-6-501</del> )	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - J**  
**Source-specific Applicable Requirements**  
**S-97 BALER**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
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	
<b>Condition #16592</b>			
part 1	Abatement Requirement (basis: cumulative increase)	Y	
part 3	Visible Emissions Monitoring Requirement (basis: <del>Regulation-2-6-501</del> )	Y	

**Table IV - K**  
**Source-specific Applicable Requirements**  
**S-130 Emergency Electric Generator, Natural gas fired, 188 hp**  
**S-131 Diesel Engine, Emergency Standby, 335 hp**  
**S-132 Diesel Engine, Emergency Standby, 610 hp**  
**S-133 Diesel Engine, Emergency Standby, 369 hp**

<b><u>Applicable Requirement</u></b>	<b><u>Regulation Title or Description of Requirement</u></b>	<b><u>Federally Enforceable (Y/N)</u></b>	<b><u>Future Effective Date</u></b>
<b><u>BAAQMD Regulation 6</u></b>	<b><u>Particulate Matter and Visible Emissions (12/19/90)</u></b>		
<u>6-303</u>	<u>Ringelmann Number 2 Limitation</u>	<u>Y</u>	
<u>6-305</u>	<u>Visible Particles</u>	<u>Y</u>	
<u>6-310</u>	<u>Particulate Weight Limitation</u>	<u>Y</u>	
<u>6-401</u>	<u>Appearance of Emissions</u>	<u>Y</u>	
<b><u>BAAQMD Regulation 9, Rule 1</u></b>	<b><u>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95; SIP approved 5/20/92)</u></b>		

#### IV. Source-specific Applicable Requirements

**Table IV - K**  
**Source-specific Applicable Requirements**  
**S-130 Emergency Electric Generator, Natural gas fired, 188 hp**  
**S-131 Diesel Engine, Emergency Standby, 335 hp**  
**S-132 Diesel Engine, Emergency Standby, 610 hp**  
**S-133 Diesel Engine, Emergency Standby, 369 hp**

<b><u>Applicable Requirement</u></b>	<b><u>Regulation Title or Description of Requirement</u></b>	<b><u>Federally Enforceable (Y/N)</u></b>	<b><u>Future Effective Date</u></b>
9-1-301	Limitations on ground level concentrations	<u>Y</u>	
9-1-304	Fuel burning (liquid and solid fuels)	<u>Y</u>	
<b><u>BAAQMD Regulation 9, Rule 8</u></b>	<b><u>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (1/20/93)</u></b>		
9-8-110.4	<u>Exemptions: emergency standby engines</u>	<u>Y</u>	
9-8-330	<u>Emergency standby engines hours of operation</u>	<u>N</u>	
<b><u>Condition # 22050</u></b>			
<u>part 1</u>	<u>Hours of operation (basis: 9-8-330)</u>	<u>Y</u>	
<u>part 2</u>	<u>Monitoring of either fuel usage or hours of operation (basis: 9-8-530)</u>	<u>Y</u>	
<u>Part 3</u>	<u>Record Keeping (basis: 9-8-530)</u>	<u>Y</u>	
<u>Part 4</u>	<u>Fuel Sulfur limit(basis 9-1-304)</u>	<u>Y</u>	
<u>Part 5</u>	<u>Record keeping for fuel(basis 2-6-409.2)</u>	<u>Y</u>	

## 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 #8395

Plant 30, Sources S-24, S-25, S-27, S-29, S-30, S-31, S-32, and S-33, Hot End Bottle Surface Treatment

1. Particulate emissions from the baghouse shall not exceed 0.15 grains per dry standard cubic foot in accordance with Regulation 6-310. (basis: Regulation 6-310)
- \*2. The concentration of ammonia in the airstream from the baghouse shall not exceed 5000 ppm per Regulation 7-303. (basis: Regulation 7-303)
3. Particulate matter emissions from sources S-24, S-25, S-27, S-29, S-30, S-31, S-32, and S-33, Hot End Bottle Surface Treatment shall be routed under negative pressure to A-1 for abatement at all times that any Hot End Bottle Surface Treatment source is operated and/or emits particulate matter emissions. (basis: cumulative increase)
4. Within 6 months of final issuance of the Major Facility Review permit, the permit holder shall install a District-approved manometer or other District-approved device which measures the pressure drop across the A-1 Baghouse. The pressure drop across A-1 shall be no less than 1 inch of water and no greater than 9 inches of water~~Within 9 months of final issuance of the Major Facility Review permit, the permit holder shall determine the proper operating range. This range shall be submitted to the Permits Division of the District for inclusion in the permit as an administrative permit amendment.~~ (basis: ~~cumulative increase~~ 2-6-503, 6-310)
5. After installation of the manometer or device, pressure drop across A-1 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 baghouse is 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)

## VI. Permit Conditions

### CONDITION #8395

Plant 30, Sources S-24, S-25, S-27, S-29, S-30, S-31, S-32, and S-33, Hot End Bottle Surface Treatment

6. The A-1 Baghouse 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~~)

### CONDITION #11930

Plant 30, Sources S-10 and S-11, Glass Melting Furnaces

1. Total glass pulled at each S-10 and S-11 shall each not exceed 125,000 tons in any consecutive twelve-month period. (basis: emissions banking)
2. NOx Emissions from S-10 shall not exceed 212.7 tons in any consecutive 12-month period. (basis: legal agreement)
3. By December 1, 2000, the owner/operator of S-10 shall have installed and be operating a District-approved continuous emissions monitor (CEM) to measure the NOx emissions from S-10, a District-approved flowmeter to measure the exhaust gas flowrate from S-10, 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, ~~2-6-504~~)
- 4a. Plant shall maintain daily records of the amount of glass pulled at S-10, 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. Plant shall maintain daily records of the amount of glass pulled at S-11. 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)



## VI. Permit Conditions

### CONDITION #11930

Plant 30, Sources S-10 and S-11, Glass Melting Furnaces

- 4c. The owner/operator of S-10 and S-11 shall maintain a district approved daily log of the glass pull-rate (in tons per calendar day) at each S-10 and S-11. 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)
5. The owner/operator of S-10 and S-11 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 S-10 and S-11 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 S-10 and S-11 shall conduct an annual District-approved source test at each furnace in order to demonstrate compliance with 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 S-10 and S-11 shall maintain and operate continuous opacity monitors in accordance with the Manual of Procedures, Volume V. This condition does not apply to S-11 during periods of maintenance of A-9, not to exceed 144 hours in any consecutive 12-month period. (basis: Regulation 6-501)

## VI. Permit Conditions

### CONDITION #11930

Plant 30, Sources S-10 and S-11, Glass Melting Furnaces

- \*9. S-11 shall be abated, at all times of operation by the properly maintained and properly operated A-9 Electrostatic Precipitator. This condition does not apply during periods of maintenance of A-9 not to exceed 144 hours in any consecutive 12-month period. (basis: Regulation 2-1-301)

### CONDITION #11931

Plant 30, Source 12, Glass Melting Furnace

1. Total glass pulled at this S-12 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 S-12 shall maintain a district approved daily log of the glass pull-rate (in tons per calendar day) at S-12. 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 S-12 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 S-12 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)

## VI. Permit Conditions

### CONDITION #11931

Plant 30, Source 12, Glass Melting Furnace

5. The owner/operator of S-12 shall conduct an annual District-approved source test at each furnace in order to demonstrate compliance with 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 S-12 shall maintain and operate continuous opacity monitors in accordance with the Manual of Procedures, Volume V. (basis: Regulation 6-501)
- \*7. S-12 shall be abated, at all times of operation by the properly maintained and properly operated A-9 Electrostatic Precipitator. This condition does not apply during periods of maintenance of A-9 not to exceed 144 hours in any consecutive 12-month period. (basis: Regulation 2-1-301)

### CONDITION #15855

S-39, Ray Material Unloading Station; S-57, Ecology Cullet Elevator; S-67, Mold Repair Coating Oven; S-75, S-76, S-77, S-79, S-80, S-81, S-83, S-84, Forming Machines

1. Deleted per Source Test recommendation (Applications 6869/6872)
2. The owner/operator of S-39, S-57, S-67, S-75, S-76, S-77, S-79, S-80, S-81, S-83, and S-84 shall conduct weekly visible emissions monitoring in order to determine compliance with Regulations 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)

## VI. Permit Conditions

### Condition #16591

Sources S-41, S-42, Batch Mixers; S-48, Lime Storage Bins; S-50, Soda Ash Storage Bins; S-52, Sand Storage Bins; S-56; Cullet Storage Bins; and S-58, 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:

S-41 Batch Mixer abated by:  
A-41 Dust Collector Torit 64 PJD 8

S-42 Batch Mixer abated by:  
A-42 Dust Collector Torit 64 PJD 8

S-48 Lime Storage Bins abated by :  
A-48 Dust Collector (B1) FlexKleen 36-BVS-9-IT-G, 230 scfm

S-50 Soda Ash Storage Bins abated by:  
A-50 Dust Collector (B3) FlexKleen 36-BVS-9-IT- G, 230 scfm

S-52 Sand Storage Bins (4) abated by :  
A-520 Dust Collector (B4) FlexKleen 36-BVS-9-IT-G, 230 scfm,  
A-521 Dust Collector (B4F) FlexKleen 36-BVS-9-IT-G, 230 scfm,  
A-522 Dust Collector (B5C) FlexKleen 36-BVS-9-IT-G, 230 scfm, set up in parallel

S-56 Cullet Storage Bins (7) abated by:  
A-560 Dust Collector (B6) FlexKleen 36-BVS-9-IT-G, 230 scfm,  
A-561 Dust Collector (B6F) FlexKleen 36-BVS-9-IT-G, 230 scfm,  
A-562 Dust Collector (B7) FlexKleen 36-BVS-9-IT-G, 230 scfm,  
A-563 Dust Collector (B9) FlexKleen 36-BVS-9-IT-G, 230 scfm, set up in parallel

S-58 Salt Cake Storage Area abated by:  
A-58 Dust Collector (B2) FlexKleen 36-BVS-9-IT-G, 230 scfm  
(basis: cumulative increase)

## VI. Permit Conditions

### Condition #16591

Sources S-41, S-42, Batch Mixers; S-48, Lime Storage Bins; S-50, Soda Ash Storage Bins; S-52, Sand Storage Bins; S-56; Cullet Storage Bins; and S-58, Salt Cake Storage Area.

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 A-41, A-42, A-48, A-50, A-58, A-520, A-521, A-522, A-560, A-561, A-562, and A-563. 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. ~~By April 15, 2005, the permit holder shall determine the proper operating range. The permit holder shall apply to the Engineering Division of the District for inclusion of the ranges in the permit using the minor revision procedures in BAAQMD Regulation 2-6-414. (basis: ~~cumulative increase~~ 2-6-501, 2-6-503, 6-310)~~
3. After installation, the owner/operator shall monitor the pressure drop across A-41, A-42, A-48, A-50, A-520, A-521, A-522, A-560, A-561, A-562, A-563, and A-58 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 A-41, A-42, A-48, A-50, A-520, A-521, A-522, A-560, A-561, A-562, A-563, and A-58 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, 2-6-503)

## VI. Permit Conditions

### **Condition #16592**

Source S-97; Baler

1. Particulate matter emissions from source S-97, Baler, shall be routed under negative pressure to A-3, 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 S-97, Baler, shall conduct weekly visible emissions monitoring in order to determine compliance with Regulations 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 S-12

Application 5183

1. deleted
2. deleted
3. deleted
4. The owner/operator of S-12 shall install the identical number (10) of burners to those being replaced. The replaced combustion system shall not increase firing rate of S-12. 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 S-12 shall not exceed 4.0 pounds of NO<sub>x</sub> per ton pulled averaged over any consecutive 3 hour period. (cumulative increase)
6. The owner/operator of S-12 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 S-12 shall install and operate a district approved NO<sub>x</sub> and O<sub>2</sub> continuous emissions monitors (CEMs) and a flowmeter with a recorder within 180 days of receipt of this Authority to Construct. These monitors shall be pre-approved by the district's source test manager. These monitors shall be used to determine compliance with

## VI. Permit Conditions

condition #5. (cumulative increase)

8. The owner/operator of S-12 shall conduct a district pre-approved source test with 45 days of the startup and annually thereafter of S-12 in order to demonstrate compliance with condition #'s 5 and 6. 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 S-12 shall maintain a District approved monthly log of all CEM data, flowmeter data, pull rate, and source test data for S-12. 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)

Condition #21614  
Sources S-11  
Plant 30, a/n 9494

1. deleted

2. deleted

3. deleted

4. The owner/operator of S-11 shall install the identical number (10) of burners to those being replaced. The replaced combustion system shall not increase firing rate of S-11. The new combustion system shall include the Individual port control and shall also include oxygen-enriched air staging (OEAS). (2-1-301)

5. The owner/operator of S-11 shall not exceed 4.0 pounds of NOx per ton pulled averaged over any consecutive 3 hour period. (cumulative increase)

6. The owner/operator of S-11 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 S-11 shall install and operate a district approved NOx 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 condition #5. (cumulative increase)

8. The owner/operator of S-11 shall conduct a district pre-approved source test with 45 days of the startup and annually thereafter of S-11 in order to demonstrate compliance

## VI. Permit Conditions

with condition #'s 5 and 6. 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 S-11 shall maintain a District approved daily log with monthly summaries of all CEM data, fuel flowmeter data, pull rate, source test data for S-11, 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. (record keeping, 2-1-301)

### **Condition #22050**

Sources S-130, S-131, S-132, S-133

### **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 100 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.
- 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]



## VI. Permit Conditions

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]

4. This source shall only be fired on diesel fuel with a sulfur content not to exceed 0.5% by weight. [Basis: Reg 9-1-304]

5. To demonstrate compliance with the above sulfur limit, the Permit Holder shall secure and maintain onsite, for at least 5 years, one of the following records:

[Basis: Reg 2-6-409.2, 2-6-501]

- a. A written statement, as applicable, received from the diesel fuel supplier(s) certifying that the diesel fuel purchased from the supplier does not exceed 0.5% by weight or meets the sulfur limitations for CARB Vehicular Diesel Fuel as specified in 13 CCR, Section 2281, California Code of Regulations, or
- b. A vendor certification of sulfur content, or
- c. Fuel test results showing the sulfur content from a District-approved test.

## 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; ~~either 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  
 S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED**

Type of limit	Emission Limit Citation of Limit	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 min/hr	BAAQMD 6-501 BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
	BAAQMD 6-302	Y		20% opacity	BAAQMD 6-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
	BAAQMD 6-311	Y		40 lb/hr	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test

**Table VII - A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED**

Type of limit	<u>Emission Limit Citation of Limit</u>	FE Y/N	Future Effective Date	<u>Emission-Limit</u>	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD 9-12-301	Y		5.5 lb/ton	BAAQMD 9-12-404	P/A	Annual Source Test

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED**

Type of limit	Citation of Limit Emission Limit Citation	FE Y/N	Future Effective Date	Limit Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
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 <sup>3</sup> , 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**  
**S 11, GLASS MELTING FURNACE "D" NATURAL GAS FIRED**

Type of limit	<u>Citation of Emission Limit Citation</u>	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for <3 min/hr	BAAQMD 6-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
	BAAQMD 6-302	Y		20% opacity	BAAQMD 6-501, BAAQMD Cond # 11930, part 8	C	Continuous Opacity Monitor
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond # 11930, part 7	P/A	Annual Source Test
	BAAQMD 6-311	Y		40 lb/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 <u>and Condition #21614 part 8</u>	P/A	Annual Source Test
	<u>Condition #21614 part 5</u>	N		<u>4.0 lb/ton</u>	<u>Condition #21614 part 7</u>	C	<u>Continuous emissions monitor</u>
CO	<u>Condition #21614 part 6</u>	N		<u>0.70 lb/ton</u>	<u>Condition #21614 part 8</u>	P/A	<u>Annual Source Test</u>

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S 11, GLASS MELTING FURNACE "D" NATURAL GAS FIRED**

Type of limit	<u>Citation of Limit</u> <u>Emission Limit Citation</u>	FE Y/N	Future Effective Date	<u>Emission-Limit</u>	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
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 <sup>3</sup> , 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
<u>Fuel flow</u>	<u>Condition #21614 part 7</u>	<u>N</u>			<u>Condition #21614 part 7</u>	<u>C</u>	<u>Continuous fuel flow meter</u>

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S 12, GLASS MELTING FURNACE "E" NATURAL GAS FIRED**

Type of limit	<u>Citation of Limit</u> <u>Emission Limit Citation</u>	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 min/hr	BAAQMD 6-501 BAAQMD Cond # 11931, part 6	C	Continuous Opacity Monitor
	BAAQMD 6-302	Y		20% opacity	BAAQMD 6-501 BAAQMD Condition # 11931, part 6	C	Continuous Opacity Monitor
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 11931, part 5	P/A	Annual Source Test
TSP	BAAQMD 6-311	Y		40 lb/hr	BAAQMD Condition # 11930, part 5	P/A	Annual Source Test
NOx	BAAQMD 9-12-301	Y		5.5 lb/ton	BAAQMD 9-12-404 and <u>Condition #20003 part 8</u>	P/A	Annual Source Test
	<u>Condition #20003 part 5</u>	N		<u>4.0 lb/ton</u>	<u>Condition #20003 part 7</u>	C	<u>Continuous emissions monitor</u>
CO	<u>Condition #20003 part 6</u>	N		<u>0.70 lb/ton</u>	<u>Condition #20003 part 8</u>	P/A	<u>Annual Source Test</u>

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S 12, GLASS MELTING FURNACE "E" NATURAL GAS FIRED**

Type of limit	<u>Citation of Limit</u> <u>Emission Limit Citation</u>	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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
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 <sup>3</sup> , 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
<u>Fuel flow</u>	<u>Condition #20003 part 7</u>	<u>N</u>			<u>Condition #20003, part 7</u>	<u>C</u>	<u>Continuous fuel flow meter</u>



## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-24, S-25, S-27, S-29, S-30, S-31, S-32, & S-33,**  
**HOT END BOTTLE SURFACE TREATMENT**

Type of limit	Citation of Limit Emission Limit Citation	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 min/hr	BAAQMD Condition #8395, parts 4 and 5	P/W	Pressure Drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 min/hr	BAAQMD Condition #8395, part 6	P/A	Baghouse inspection
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #8395, parts 4 and 5	P/W	Pressure Drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition #8395, part 6	P/A	Baghouse inspection
	BAAQMD Condition #8395 part 1	Y		0.15 gr/dscf	BAAQMD Condition #8395, parts 4 and 5	P/W	Pressure Drop monitoring
	BAAQMD Condition #8395, part 1	Y		0.15 gr/dscf	BAAQMD Condition #8395, part 6	P/A	Baghouse inspection
NH3	BAAQMD Condition #8395 part 2	N		5000 ppm		N	
<u>Pressure drop</u>	<u>BAAQMD cond. 8395 part 4</u>	<u>Y</u>		<u>1" – 9" H2O</u>	<u>BAAQMD cond. 8395 part 5</u>	<u>P/W</u>	<u>Pressure Drop monitoring</u>

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-39, RAW MATERIAL UNLOADING STATION,**  
**S-57, ECOLOGY CULLET ELEVATOR,**  
**S-75 to S-77, S-79 to S-81, FORMING MACHINES,**  
**S-83 to S-84, FORMING MACHINES**

Type of limit	<u>Citation of Limit</u> <del>Emis sion-Limit Citation</del>	FE Y/N	Future Effective Date	<del>Emis sion-Limit</del>	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 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**  
**S-41 & 42, BATCH MIXERS A & B, S-48, LIME STORAGE BINS,**  
**S-50, SODA ASH STORAGE BINS, S-52, SAND STORAGE BINS,**  
**S-56, CULLET STORAGE BINS, ,**  
**S-58, SALT CAKE STORAGE AREA,**

Type of limit	<u>Citation of Limit</u> <u>Emission Limit Citation</u>	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 min/hr	BAAQMD Condition # 16591 parts 2 and 3	P/W	Pressure Drop monitoring
	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 min/hr	BAAQMD Condition # 16591 part 4	P/A	Annual inspection
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 16591 parts 2 and 3	P/W	Pressure Drop monitoring
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Condition # 16591 part 4	P/A	Annual inspection
FP	BAAQMD 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
	BAAQMD 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
<u>Pressure Drop</u>	<u>BAAQMD Condition #16591, part 2</u>	<u>N</u>		<u>1" – 15" H2O</u>	<u>BAAQMD Condition #16591, part 3</u>	<u>P/W</u>	<u>Pressure Drop monitoring</u>

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – G**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-43, CULLET CRUSHER, S-44, SAND ELEVATOR**

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

**Table VII - H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-63, MOLD REPAIR SHOP**

Type of limit	Citation of Limit Emission Limit Citation	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	none	Y		none	BAAQMD 8-16-501.2	P/Q	Record Keeping

**Table VII - I**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-67, MOLD REPAIR COATING OVEN**

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

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - I**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-67, MOLD REPAIR COATING OVEN**

Type of limit	Citation of Limit/Emission Limit Citation	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-2-301	Y		15 pounds per day and 300 ppm carbon		N	

**Table VII – J**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-97 BALER**

Type of limit	Citation of Limit/Emission Limit Citation	FE Y/N	Future Effective Date	Emission-Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-301	Y		Ringelmann 1.0 for < 3 min/hr	BAAQMD Cond # 16592, part 3	P/W	Visible emission monitoring
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD Cond # 16592, part 3	P/W	Visible emission monitoring
	BAAQMD 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

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – K**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-130 Emergency Electric Generator, Natural gas fired, 188 hp**  
**S-131 Diesel Engine, Emergency Standby, 335 hp**  
**S-132 Diesel Engine, Emergency Standby, 610 hp**  
**S-133 Diesel Engine, Emergency Standby, 369 hp**

<u>Type of limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Emission Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>
<u>Opacity</u>	<u>BAAQMD 6-303</u>	<u>Y</u>		<u>Ringelmann 2.0 for &lt; 3 min/hr</u>	<u>none</u>	<u>N</u>	<u>N/A</u>
<u>FP</u>	<u>BAAQMD 6-305</u>	<u>Y</u>		<u>Visible particulates</u>	<u>6-601</u>	<u>P/E</u>	<u>Visual inspection</u>
	<u>BAAQMD 6-310</u>			<u>0.15 gr/dscf</u>			<u>Visible emission monitoring</u>
<u>SO2</u>	<u>BAAQMD 9-1-304</u>	<u>Y</u>		<u>Sulfur content of liquid fuel ≤ 0.5% by weight</u>	<u>9-1-502 and condition #22050 parts 4 and 5</u>	<u>P/E</u>	<u>Fuel certification</u>
<u>records</u>	<u>BAAQMD 9-8-330</u>	<u>N</u>		<u>Hours of operation</u>	<u>9-8-530 and condition 22050 part 1</u>	<u>P/M</u>	<u>Recordkeeping</u>

## 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**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, P <u>or</u> <u>USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources</u> particulate Sampling
BAAQMD 6-311	General Operations	Manual of Procedures, Volume IV, ST-15 Particulate Sampling <u>or</u> <u>USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources</u>
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
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.  
~~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**  
**S-10, 11, 12, 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

	<b><del>Initial Proposal:</del></b>	<b><del>August 16, 1999</del></b>	
	<b>Title V Permit Issuance (<u>Application 25846</u>):</b>	<b>January 5, 2000</b>	
<b>2000</b>	<b>Minor Revision/Administrative Permit Amendment: (<u>no application</u>)</b>	<b>October 2,</b>	
	Corrections in capacity of S-11, Furnace; S-12, Furnace; and S-39, Raw Material Unloading Station. Change in the deadline for installation of NO <sub>x</sub> monitor. Change in recordkeeping for glass production. Condition I.J added to standard conditions regarding enforceability of stated capacity.		
	<b>Replacement of Responsible Official (<u>no application</u>)</b>	<b>September 24, 2001</b>	
	<b>Significant Revision (Applications 6869/6876)</b>	<b>July 15, 2004</b>	
	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 S-43 and S-44 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 < 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.		

## **IX. Revision History**

### **Significant Revision, continued (Applications 6869/6876)**

**July 15, 2004**

The Abatement device table, II-B, has been modified so that there is no confusion between the citation of standards and the standards themselves.

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 A-1 since it is already contained in Condition #8395.

## **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.

## **X. Glossary**

### **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.

### **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.

### **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.

### **NO<sub>x</sub>**

Oxides of nitrogen.

### **NSPS**

Standards of Performance for New Stationary Sources. Federal standards for emissions from

## **X. Glossary**

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, NO<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub>.

### **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.

### **PM<sub>10</sub>**

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.

### **SO<sub>2</sub>**

Sulfur dioxide.

### **Title V**

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit

## X. Glossary

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 <sup>2</sup>	=	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

## ~~XI. APPLICABLE STATE IMPLEMENTATION PLAN~~

~~The Bay Area Air Quality Management District's portion of the State Implementation Plan can be found at EPA Region 9's website. The address is:~~

~~<http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1>~~