Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Owens Corning Insulating Systems, LLC
Facility #A0041

Facility Address:
960 Central Expressway
Santa Clara, CA 95050

Mailing Address:
960 Central Expressway
Santa Clara, CA 95050

Responsible Official	**Facility Contact**
Jim Gerodimos, Plant Leader	Julie A. Makutonin, Manufacturing Engineer
(408) 235-1231	(408) 235-1284

Type of Facility: Wool Fiberglass Manufacturing Plant
Primary SIC: 3296
Product: Wool Glass Fiber Insulation Materials

BAAQMD Engineering Division Contact:
Krishnaswamy R. Bhagavan

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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

December 27, 2012
Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

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

BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);

SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);

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 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 5/17/00);

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

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 December 27, 2012 and expires on December 26, 2017. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 26, 2017 and no earlier than December 26, 2016. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after December 26, 2017.** (Regulation 2-6-307, 404.2, & 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)

I. Standard Conditions

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit that 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's 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)

I. Standard Conditions

D. Inspection and Entry

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

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)

2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. Reports shall be submitted for the following periods: May 1st through October 31st and November 1st through April 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 incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

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

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

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be November 1st to October 31st. The certification shall be submitted by November 30th 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

I. Standard Conditions

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
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

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	Capacity
S-1	"M" Electric Furnace, Channel, and Forehearth	125 Ton Electric Melt Glass Furnace	Teco	Bare Molten Glass: 6 ton/hr; 144 tons/day
S-2	"M" Forming - Rotary Spin, Firing Natural Gas	Proprietary Equipment	None	Maximum Firing Rate: 13.0 MM Btu/hr; Bare Molten Glass: 6 ton/hr; 144 tons/day
S-3	"M" Curing Oven, Firing Natural Gas	Proprietary Equipment	None	Maximum Firing Rate: 18.4 MM Btu/hr; Bare Molten Glass: 6 ton/hr; 144 tons/day
S-4	"M" Cooling	Proprietary Equipment	None	Bare Molten Glass: 6 ton/hr; 144 tons/day
S-19	"O" Electric Furnace, Channel and Forehearth	125 Ton Electric Melt Glass Furnace	Teco	Bare Molten Glass: 6 ton/hr; 144 tons/day
S-20	"O" Forming – Rotary Spin, Firing Natural Gas	Proprietary Equipment	None	Maximum Firing Rate: 17.0 MM Btu/hr; Bare Molten Glass: 6 ton/hr; 144 tons/day
S-21	"O" Curing Oven, Firing Natural Gas	Proprietary Equipment	None	Maximum Firing Rate: 16.0 MM Btu/hr; Bare Molten Glass: 6 ton/hr; 144 tons/day
S-22	"O" Cooling	Proprietary Equipment	None	Bare Molten Glass: 6 ton/hr; 144 tons/day
S-26	Sandblasting Room	Proprietary Equipment	None	6 ton/hr of fouled equipment
S-56	Batch Materials Silo & Unloading System	None	None	50 ton/hr

II. Equipment

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	Capacity
S-57	Batch Mixing	None	None	18 ton/hr
S-61	'M' Packing Dust Collection System	OCF Engineering Design	None	30,000 cfm
S-62	'O' Packing Dust Collection System	Owens-Corning Design Engineering	None	30,000 cfm
S-65	Fire System Diesel Pump	Cummins 2 stroke naturally aspirated diesel	NH-220-IF	220 hp; 743 in^3
S-66	EM-3 Standby Diesel Generator	Caterpillar 2 stroke naturally aspirated diesel	D343 PC	275 hp; 893 in^3
S-67	'O' Line Standby Diesel Generator	Caterpillar 2 stroke naturally aspirated diesel	3408 PCTA	275 hp; 893 in^3
S-68	'M' Line Standby Diesel Generator	Caterpillar 2 stroke naturally aspirated diesel	D343	275 hp; 893 in^3
S-69	'M' Line Asphalt Applicator	Owens Corning Design	None	7.5 ton/hr
S-70	'O' Line Asphalt Applicator	Owens Corning Design	None	7.5 ton/hr
S-86	"M" Batch Transporter Bin & Silo	Consolidated Engineering System	None	18 ton/hr
S-87	"O" Batch Transporter Bin & Silo	Consolidated Engineering System	None	18 ton/hr
S-90	Bad Batch Bin	Consolidated Engineering Systems	None	18 ton/hr
S-155	'M' Line, Ink Jet Printing System	1630 High Speed NP Print Head	#IJPHD13856	Ink – 180 gallons/year
S-156	'O' Line, Ink Jet Printing System	1630 High Speed NP Print Head	#IJPHD13856	Ink – 180 gallons/year
S-157	'M' Machine Flexographic Bldg. Insulation Printers (3 printers)	Pannier	DV-2-812-MB	Ink - 32,000 gallons/year
S-158	'O' Machine Flexographic Printers (5 printers)	Pannier	DV-2-812-MB	Ink - 32,000 gallons/year

II. Equipment

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	Capacity
S-160	Binder Red Dye Tank	Fixed Roof Tank	None	8230 gallons
S-164	Boilerhouse Standby Diesel Generator	Cummins 2 stroke naturally aspirated diesel	VTA28-G5	900 hp; 1710 in^3
S-166	Cullet Water Standby Diesel Generator	Waukesha 2 stroke naturally aspirated diesel	VRD 310	80 hp; 310 in^3
S-167	Cooling Water Standby Diesel Generator	Waukesha 2 stroke naturally aspirated diesel	F674Du	162 hp; 674 in^3
S-170	"M" line Retail Roll Overwrap Tape Glue System	Nordson Hot Melt Glue System		65 tons/year
S-171	"O" line Retail Roll Overwrap Tape Glue System	Nordson Hot Melt Glue System		65 tons/year

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-5	"M" Charge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	BAAQMD Regulation 8-2-301	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-3 (combined emissions from A-5 and A-6) ≤ 15 lb/day and POC concentration from S-3 (combined emissions from A-5 and A-6) ≤ 300 ppm total carbon on a dry basis
A-5	"M" Charge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	BAAQMD Condition 24873, part 16	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-3 (combined emissions from A-5 and A-6) ≤ 15 lb/day and POC concentration from S-3 (combined emissions from A-5 and A-6) ≤ 300 ppm total carbon on a dry basis

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-5	"M" Charge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	BAAQMD Condition 24873, part 29	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-3 (combined emissions from A-5 and A-6) ≤ 5.33 lb/day
A-5	"M" Charge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	BAAQMD Condition 24873, part 30	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-3 (combined emissions from A-5 and A-6) ≤0.75 tons/year

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-6	"M" Discharge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	BAAQMD Regulation 8-2-301	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-3 (combined emissions from A-5 and A-6) ≤ 15 lb/day and POC concentration from S-3 (combined emissions from A-5 and A-6) ≤ 300 ppm total carbon on a dry basis
A-6	"M" Discharge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	BAAQMD Condition 24873, part 16	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-3 (combined emissions from A-5 and A-6) ≤ 15 lb/day and POC concentration from S-3 (combined emissions from A-5 and A-6) ≤ 300 ppm total carbon on a dry basis

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-6	"M" Discharge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	BAAQMD Condition 24873, part 29	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-3 (combined emissions from A-5 and A-6) ≤ 5.33 lb/day
A-6	"M" Discharge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	BAAQMD Condition 24873, part 30	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-3 (combined emissions from A-5 and A-6) ≤0.75 tons/year
A-7	High Efficiency Air Filtration (HEAF) System – "M" Cooling	S-4	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 0.1" wc to 3" wc	Ringelmann 1 < 3 min/hr
A-7	High Efficiency Air Filtration (HEAF) System – "M" Cooling	S-4	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 0.1" wc to 3" wc	0.15 gr/dscf

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-7	High Efficiency Air Filtration (HEAF) System – "M" Cooling	S-4	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 0.1" wc to 3" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-25	"O" Oven Incinerator Firing Natural Gas; Maximum Firing Rate: 6.0 MM Btu/hr	S-21	BAAQMD Regulation 8-2-301	Firebox Temperature > 1,340 °F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 °F)	POC from S-21 (emissions from A-25) ≤ 15 lb/day and POC concentration from S-21 (emissions from A-25) ≤ 300 ppm total carbon on a dry basis
A-25	"O" Oven Incinerator Firing Natural Gas; Maximum Firing Rate: 6.0 MM Btu/hr	S-21	BAAQMD Condition 24873, part 16	Firebox Temperature > 1,340 °F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 °F)	POC from S-21 (emissions from A-25) ≤ 15 lb/day and POC concentration from S-21 (emissions from A-25) ≤ 300 ppm total carbon on a dry basis

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-25	"O" Oven Incinerator Firing Natural Gas; Maximum Firing Rate: 6.0 MM Btu/hr	S-21	BAAQMD Condition 24873, part 60	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-21 (emissions from A-25) ≤ 2.28 lb POC/day
A-25	"O" Oven Incinerator Firing Natural Gas; Maximum Firing Rate: 6.0 MM Btu/hr	S-21	BAAQMD Condition 24873, part 61	Firebox Temperature > 1,340 ^{o}F; (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizer is operated at a temperature lower than 1,340 ^{o}F)	POC from S-21 (emissions from A-25) ≤ 0.40 tons/year
A-26	'O" Cooling Scrubber	S-22	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop - 1" wc to 10" wc. ; Water Flow Rate – 50 gpm to 250 gpm	Ringelmann 1 < 3 min/hr
A-26	'O" Cooling Scrubber	S-22	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop - 1" wc to 10" wc ; Water Flow Rate – 50 gpm to 250 gpm	0.15 gr/dscf

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-26	'O" Cooling Scrubber	S-22	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop - 1" wc to 10" wc ; Water Flow Rate – 50 gpm to 250 gpm	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-34	Dust Collector - 'M' Bin	S-86	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop - Not Available[1]	Ringelmann 1 < 3 min/hr
A-34	Dust Collector - 'M' Bin	S-86	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop - Not Available	0.15 gr/dscf
A-34	Dust Collector - 'M' Bin	S-86	BAAQMD Regulation 6-1-311 and and SIP Regulation 6-311	Pressure Drop - Not Available	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-35	Dust Collector - 'O' Bin	S-87	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop - Not Available[2]	Ringelmann 1 < 3 min/hr
A-35	Dust Collector - 'O' Bin	S-87	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop - Not Available	0.15 gr/dscf

[1] Due to the intermittent nature of operation of the dust collectors and the very wide and rapid fluctuations in their ΔP, Owens Corning indicated that it is not possible to determine a specific monitoring range to demonstrate on-going compliance.
[2] Due to the intermittent nature of operation of the dust collectors and the very wide and rapid fluctuations in their ΔP, Owens Corning indicated that it is not possible to determine a specific monitoring range to demonstrate on-going compliance.

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-35	Dust Collector - 'O' Bin	S-87	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop - Not Available	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-38	Dust Collector - BB Bin	S-90	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop - Not Available[3]	Ringelmann 1 < 3 min/hr
A-38	Dust Collector - BB Bin	S-90	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop - Not Available	0.15 gr/dscf
A-38	Dust Collector - BB Bin	S-90	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop - Not Available	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-40	"M" & "O" Line Dust Collection Penclones	S-61 S-62	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 0.5" wc to 21" wc	Ringelmann 1 < 3 min/hr
A-40	"M" & "O" Line Dust Collection Penclones	S-61 S-62	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 0.5" wc to 21" wc	0.15 gr/dscf
A-40	"M" & "O" Line Dust Collection Penclones	S-61 S-62	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 0.5" wc to 21" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr

[3] Due to the intermittent nature of operation of the dust collectors and the very wide and rapid fluctuations in their ΔP, Owens Corning indicated that it is not possible to determine a specific monitoring range to demonstrate on-going compliance.

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-44	Dust Collection Baghouse	S-56	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 2" wc to 6" wc	Ringelmann 1 < 3 min/hr
A-44	Dust Collection Baghouse	S-56	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 2" wc to 6" wc	0.15 gr/dscf
A-44	Dust Collection Baghouse	S-56	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 2" wc to 6" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-48	Pulse Jet Baghouse	S-57	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 0" wc to 10" wc	Ringelmann 1 < 3 min/hr
A-48	Pulse Jet Baghouse	S-57	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 0" wc to 10" wc.	0.15 gr/dscf
A-48	Pulse Jet Baghouse	S-57	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 0" wc to 10" wc.	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-70	Fiberbed Filter	S-70	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 1.5" wc to 5.5" wc	Ringelmann 1 < 3 min/hr

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-70	Fiberbed Filter	S-70	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 1.5" wc to 5.5" wc	0.15 gr/dscf
A-70	Fiberbed Filter	S-70	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 1.5" wc to 5.5" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-99	Air Action Cyclone Scrubber	S-21	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 1" wc to 20" wc	Ringelmann 1 < 3 min/hr
A-99	Air Action Cyclone Scrubber	S-21	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 1" wc to 20" wc	0.15 gr/dscf
A-99	Air Action Cyclone Scrubber	S-21	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 1" wc to 20" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-100	High Performance Air Filter; OCF Design, Fabric Filter	S-21 (A-99)	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 5" wc to 40" wc	Ringelmann 1 < 3 min/hr
A-100	High Performance Air Filter; OCF Design, Fabric Filter	S-21 (A-99)	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 5" wc to 40" wc	0.15 gr/dscf

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-100	High Performance Air Filter; OCF Design, Fabric Filter	S-21 (A-99)	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 5" wc to 40" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-101	Air Action Cyclone Scrubber	S-3	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 1" wc to 20" wc	Ringelmann 1 < 3 min/hr
A-101	Air Action Cyclone Scrubber	S-3	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 1" wc to 20" wc	0.15 gr/dscf
A-101	Air Action Cyclone Scrubber	S-3	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 1" wc to 20" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-102	High Performance Air Filter	S-3 (A-101)	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 5" wc to 40" wc	Ringelmann 1 < 3 min/hr
A-102	High Performance Air Filter	S-3 (A-101)	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 5" wc to 40" wc	0.15 gr/dscf
A-102	High Performance Air Filter	S-3 (A-101)	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 5" wc to 40" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-149	Sandblasting Baghouse	S-26	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 0" wc to 10" wc	Ringelmann 1 < 3 min/hr
A-149	Sandblasting Baghouse	S-26	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 0" wc to 10" wc	0.15 gr/dscf
A-149	Sandblasting Baghouse	S-26	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 0" wc to 10" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-150	Fiberbed Filter	S-69	BAAQMD Regulation 6-1-301 and SIP Regulation 6-301	Pressure Drop – 1.5" wc to 5.5" wc	Ringelmann 1 < 3 min/hr
A-150	Fiberbed Filter	S-69	BAAQMD Regulation 6-1-310 and SIP Regulation 6-310	Pressure Drop – 1.5" wc to 5.5" wc	0.15 gr/dscf
A-150	Fiberbed Filter	S-69	BAAQMD Regulation 6-1-311 and SIP Regulation 6-311	Pressure Drop – 1.5" wc to 5.5" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr

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 will 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.

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...

NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with both versions of a rule until US EPA has reviewed and approved 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 (07/09/08)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y - note 1
BAAQMD Regulation 2, Rule 1	General Requirements (03/04/09)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2, Rule 1	General Requirements (01/26/99)	Y - note 1
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 2	New Source Review (6/15/05)	N
SIP Regulation 2, Rule 2	New Source Review (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 4	Emissions Banking (12/21/04)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 2, Rule 4	Emissions Banking (1/26/99)	Y - note 1
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (1/6/10)	N
BAAQMD Regulation 2, Rule 6	Major Facility Review (4/16/03)	N
SIP Regulation 2, Rule 6	Major Facility Review (6/23/95)	Y - note 1
BAAQMD Regulation 3	Fees (6/16/10)	N
SIP Regulation 3	Fees (5/3/84)	Y - note 1
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y – note 1
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y – note 1
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/05/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y– note 1
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	Y– note 1
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations 10/16/02)	Y
BAAQMD Regulation 8, Rule 16, Section 302.1	Organic Compounds – Solvent Cleaning Operations, Conveyorized Solvent Cleaner Requirements, General Requirements (10/16/2002; SIP approved 8/26/03)	Y
BAAQMD Regulation 8, Rule 16, Section 302.2	Organic Compounds – Solvent Cleaning Operations, Conveyorized Solvent Cleaner Requirements, General Equipment Requirements (10/16/2002; SIP approved 8/26/03)	Y
BAAQMD Regulation 8, Rule 16, Section 302.3	Organic Compounds – Solvent Cleaning Operations, Conveyorized Solvent Cleaner Requirements, Requirements when using a volatile solvent (10/16/2002; SIP approved 8/26/03)	Y
BAAQMD Regulation 8, Rule 19, Section 307	Organic Compounds – Surface Coating of Miscellaneous Metal Parts and Products, Prohibition of Specification (10/16/2002; SIP approved 8/26/03)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 8, Rule 19, Section 320	Organic Compounds – Surface Coating of Miscellaneous Metal Parts and Products, Solvent Evaporative Loss Minimization (10/16/2002; SIP approved 8/26/03)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (06/15/05,	N
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y– note 1
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
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– note 1
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y– note 1
BAAQMD Regulation 9, Rule 1-110	Conditional Exemption for facilities performing SO2 Area Monitoring (GLM). (05/20/92)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y– note 1
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (07/20/04)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (12/28/07)	Y
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

Note 1:
The District amended certain sections of this regulation that could be applicable to this facility. The USEPA has not approved inclusion of these amendments into the SIP. Therefore, the facility must comply with the provisions of this regulation until such time the USEPA approves inclusion of the amended sections into the SIP.

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

Table IV - A
Source-specific Applicable Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General Limit on Odorous Substances	N	
7-302	Limit on Odorous Substances at or Beyond Property Line	N	
7-303	Limit on Odorous Compounds	N	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases - Sulfur Dioxide (03/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 11, Rule 1	**Hazardous Pollutants - Lead (3/17/82)**		
11-1-301	Daily Lead Emission Limitation	Y	
11-1-302	Ground Level Lead Concentration Limitation	Y	
BAAQMD Condition # 16834	**Permit Conditions**		
Part 1	Furnace Operating Conditions – "M" Line (Basis: TRMP)	N	
Part 2	Furnace Operating Conditions – "O" Line (Basis: TRMP)	N	
Part 3	Furnace Operating Conditions – "M" & "O" Lines (Basis: TRMP)	N	
Part 4	Daily Log of Furnace Operation (Basis: TRMP)	N	
Part 5	Limit – Daily Glass Pull Rate (Basis: Regulations 2-1-234, 2-1-307, 2-1-403)	Y	
Part 6	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	Y	
Part 7	Daily Visible Emissions Monitoring & Recordkeeping (Basis: Regulation 6-1-301, Regulation 2-6-501)	Y	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 8	Source Test Once Per Permit Term: To Demonstrate Compliance With PM10 limit and District Regulation's 6-1-310 & 6-1-311 (Basis: Regulation 2-6-503)	Y	
Part 9	Source Test Once Per Permit Term: To Demonstrate Compliance With Regulation 9-1-302 (Basis: Regulation 2-6-503)	Y	
Part 10	Source Test Once Per Permit Term: To Demonstrate Compliance With Regulation 11-1-301 (Basis: Regulation 2-6-503)	Y	
Part 11	Daily Monitoring & Recordkeeping of Water Flow Rate – Batch Wetting Process (Basis: Regulation 2-6-503)	Y	
Part 12	Corrective Action Procedures (Basis: Regulation 2-6-503)	Y	
Part 13	Implementation of QIP (Basis: Regulation 2-6-503)	Y	
Part 14	Furnace Operating Requirement (Basis: Regulation 2-6-503)	Y	
Part 15	Requirement to Install Temperature Monitors and Recorders (Basis: Regulation 2-6-503)	Y	
Part 16	Requirement to Finish Calibration and Ensure Proper Operation of Temperature Monitors (Basis: Regulation 2-6-503)	Y	
Part 18	Submittal of source test protocols (Basis: Regulation 2-6-503)	Y	
Part 19	Initial and annual source tests (Basis: Regulation 2-1-223.7, Regulation 2-6-409.2)	Y	
Part 20	Submittal of source test results (Basis: Regulation 2-6-503)	Y	
Part 21	Reduction of frequency of source tests (Basis: Regulation 2-6-409.2)	Y	
Part 22	Requirement for Health Risk Screen Analysis (Basis: Regulation 2-5-217, Regulation 2-5-301)	N	

IV. Source-specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 23	Determination of toxic air contaminant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	N	
Part 24	Estimating of toxic air contaminant emissions (Basis: Regulation 2-1-403, Regulation 2-5)	N	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General Limit on Odorous Substances	N	
7-302	Limit on Odorous Substances at or Beyond Property Line	N	
7-303	Limit on Odorous Compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds - Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases - Sulfur Dioxide (03/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Condition # 24873			
Part 1	Limit – Daily Glass Pull Rate (Basis: Regulation 2-1-234)	N	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	Y	
Part 13	Prohibition on use of phenol-formaldehyde binder (Basis: Regulation 2-1-301)	Y	
Part 14	Prohibition against public nuisance (Basis: Regulation 1-301)	Y	
Part 15	Daily visible emissions check (Basis: Regulation 2-6-501, Regulation 6-1-301)	Y	
Part 16	Prohibition against emissions of organic compounds that are over 15 lb/day and are over 300 ppm total carbon at each source (Basis: Regulation 8-2-301)	Y	
Part 17	Daily PM10 limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 18	Annual PM10 limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 19	Daily POC limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 20	Annual POC limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 21	Daily CO limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 22	Annual CO limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 23	Daily NOx limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 24	Annual NOx limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 25	Daily SO2 limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 26	Annual SO2 limit for S-2 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 47	Daily PM10 limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 48	Annual PM10 limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	

IV. Source-specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 49	Daily POC limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 50	Annual POC limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 51	Daily CO limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 52	Annual CO limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 53	Daily NOx limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 54	Annual NOx limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 55	Daily SO2 limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 56	Annual SO2 limit for S-20 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 77	Submittal of source test protocols (Basis: Regulation 2-1-301)	Y	
Part 78	Initial and annual source tests (Basis: Regulation 2-1-301, Regulation 2-6-409.2)	Y	
Part 79	Submittal of source test results (Basis: Regulation 2-1-301, Regulation 2-6-503)	Y	
Part 80	Reduction of frequency of source tests (Basis: Regulation 2-6-409.2)	Y	
Part 81	Requirement for Health Risk Screen Analysis (Basis: Regulation 2-5-217, Regulation 2-5-301)	N	
Part 82a	Determination of criteria pollutant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	Y	
Part 82b	Determination of toxic air contaminant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	N	
Part 83	Estimating emissions (Basis: Regulation 2-1-403, Regulation 2-5)	Y	
Part 84	Combined daily & annual PM10 limit for S-20, S-21, and S-22 (Basis: Regulation 2-1-312.11)	N	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General Limit on Odorous Substances	N	
7-302	Limit on Odorous Substances at or Beyond Property Line	N	
7-303	Limit on Odorous Compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds - Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases - Sulfur Dioxide (03/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Condition # 24873			
Part 1	Limit – Daily Glass Pull Rate (Basis: Regulation 2-1-234)	N	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	Y	
Part 3	Requirement for control of S-3 (Basis: Cumulative Increase)	Y	
Part 5	Inspection of abatement devices (Basis: Regulation 2-6-501, Regulation 6-1-301)	Y	
Part 6	Requirement for control of S-21 (Basis: Cumulative Increase)	Y	
Part 8	Inspection of abatement devices (Basis: Regulation 2-6-501, Regulation 6-1-301)	Y	
Part 9	Temperature limit (Basis: Regulation 2-6-503)	Y	
Part 10	Allowable Temperature Excursions – Incinerators (Basis: Regulation 2-6-503)	Y	
Part 11	Allowable Temperature Excursions – Incinerators (Basis: Regulation 2-6-503)	Y	
Part 12	Allowable Temperature Excursions – Incinerators (Basis: Regulation 2-6-503)	Y	
Part 13	Prohibition on use of phenol-formaldehyde binder (Basis: Regulation 2-1-301)	Y	
Part 14	Prohibition against public nuisance (Basis: Regulation 1-301)	Y	
Part 15	Daily visible emissions check (Basis: Regulation 2-6-501, Regulation 6-1-301)	Y	
Part 16	Prohibition against emissions of organic compounds that are over 15 lb/day and are over 300 ppm total carbon at each source (Basis: Regulation 8-2-301)	Y	
Part 27	Daily PM10 limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 28	Annual PM10 limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 29	Daily POC limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 30	Annual POC limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 31	Daily CO limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 32	Annual CO limit for S-3 (Basis: Regulations 2-1-233, 2-1-307,	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	2-1-403)		
Part 33	Daily NOx limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 34	Annual NOx limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 35	Daily SO2 limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 36	Annual SO2 limit for S-3 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 57	Daily PM10 limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 58	Annual PM10 limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 59	Daily POC limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 60	Annual POC limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 61	Daily CO limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 62	Annual CO limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 63	Daily NOx limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 64	Annual NOx limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 65	Daily SO2 limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 66	Annual SO2 limit for S-21 (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)	Y	
Part 77	Submittal of source test protocols (Basis: Regulation 2-1-301)	Y	
Part 78	Initial and annual source tests (Basis: Regulation 2-1-301, Regulation 2-6-409.2)	Y	
Part 79	Submittal of source test results	Y	

IV. Source-specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(Basis: Regulation 2-1-301, Regulation 2-6-503)		
Part 80	Reduction of frequency of source tests (Basis: Regulation 2-6-409.2)	Y	
Part 81	Requirement for Health Risk Screen Analysis (Basis: Regulation 2-5-217, Regulation 2-5-301)	N	
Part 82a	Determination of criteria pollutant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	Y	
Part 82b	Determination of toxic air contaminant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	N	
Part 83	Estimating emissions (Basis: Regulation 2-1-403, Regulation 2-5)	Y	
Part 84	Combined daily & annual PM10 limit for S-20, S-21, and S-22 (Basis: Regulation 2-1-312.11)	N	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-4 – "M" COOLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General Limit on Odorous Substances	N	
7-302	Limit on Odorous Substances at or Beyond Property Line	N	
7-303	Limit on Odorous Compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds - Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases - Sulfur Dioxide (03/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Condition # 24873			
Part 1	Limit – Daily Glass Pull Rate (Basis: Regulation 2-1-234)	N	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-4 – "M" COOLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	Y	
Part 4	Requirement for control of S-4 (Basis: Cumulative Increase)	Y	
Part 5	Inspection of abatement devices (Basis: Regulation 2-6-501, Regulation 6-1-301)	Y	
Part 13	Prohibition on use of phenol-formaldehyde binder (Basis: Regulation 2-1-301)	Y	
Part 14	Prohibition against public nuisance (Basis: Regulation 1-301)	Y	
Part 15	Daily visible emissions check (Basis: Regulation 2-6-501, Regulation 6-1-301)	Y	
Part 16	Prohibition against emissions of organic compounds that are over 15 lb/day and are over 300 ppm total carbon at each source (Basis: Regulation 8-2-301)	Y	
Part 37	Daily PM10 limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 38	Annual PM10 limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 39	Daily POC limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 40	Annual POC limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 41	Daily CO limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 42	Annual CO limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 43	Daily NOx limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 44	Annual NOx limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 45	Daily SO2 limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 46	Annual SO2 limit for S-4 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 77	Submittal of source test protocols (Basis: Regulation 2-1-301)	Y	
Part 78	Initial and annual source tests	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S-4 – "M" COOLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(Basis: Regulation 2-1-301, Regulation 2-6-409.2)		
Part 79	Submittal of source test results (Basis: Regulation 2-1-301, Regulation 2-6-503)	Y	
Part 80	Reduction of frequency of source tests (Basis: Regulation 2-6-409.2)	Y	
Part 81	Requirement for Health Risk Screen Analysis (Basis: Regulation 2-5-217, Regulation 2-5-301)	N	
Part 82a	Determination of criteria pollutant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	Y	
Part 82b	Determination of toxic air contaminant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	N	
Part 83	Estimating emissions (Basis: Regulation 2-1-403, Regulation 2-5)	Y	

IV. Source-specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-22 – "O" COOLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General Limit on Odorous Substances	N	
7-302	Limit on Odorous Substances at or Beyond Property Line	N	
7-303	Limit on Odorous Compounds	N	
BAAQMD Regulation 8, Rule 2	**Organic Compounds - Miscellaneous Operations (7/20/05)**		
8-2-301	Miscellaneous Operations	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gases - Sulfur Dioxide (03/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Condition # 24873			
Part 1	Limit – Daily Glass Pull Rate (Basis: Regulation 2-1-234)	N	

IV. Source-specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-22 – "O" COOLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	Y	
Part 7	Requirement for control of S-22 (Basis: Cumulative Increase)	Y	
Part 8	Inspection of abatement devices (Basis: Regulation 2-6-501, Regulation 6-1-301)	Y	
Part 13	Prohibition on use of phenol-formaldehyde binder (Basis: Regulation 2-1-301)	Y	
Part 14	Prohibition against public nuisance (Basis: Regulation 1-301)	Y	
Part 15	Daily visible emissions check (Basis: Regulation 2-6-501, Regulation 6-1-301)	Y	
Part 16	Prohibition against emissions of organic compounds that are over 15 lb/day and are over 300 ppm total carbon at each source (Basis: Regulation 8-2-301)	Y	
Part 67	Daily PM10 limit for S-22 (Basis: Regulation 2-1-234, 2-1-307, 2-1-403, SIP 2-2-223)	Y	
Part 68	Annual PM10 limit for S-22 (Basis: Regulation 2-1-234, 2-1-307, 2-1-403, SIP 2-2-223)	Y	
Part 69	Daily POC limit for S-22 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 70	Annual POC limit for S-22 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 71	Daily CO limit for S-22 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 72	Annual CO limit for S-22 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 73	Daily NOx limit for S-22 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 74	Annual NOx limit for S-22 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 75	Daily SO2 limit for S-22 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 76	Annual SO2 limit for S-22 (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)	Y	
Part 77	Submittal of source test protocols (Basis: Regulation 2-1-301)	Y	
Part 78	Initial and annual source tests	Y	

IV. Source-specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S-22 – "O" COOLING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(Basis: Regulation 2-1-301, Regulation 2-6-409.2)		
Part 79	Submittal of source test results (Basis: Regulation 2-1-301, Regulation 2-6-503)	Y	
Part 80	Reduction of frequency of source tests (Basis: Regulation 2-6-409.2)	Y	
Part 81	Requirement for Health Risk Screen Analysis (Basis: Regulation 2-5-217, Regulation 2-5-301)	N	
Part 82a	Determination of criteria pollutant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	Y	
Part 82b	Determination of toxic air contaminant emission factors (Basis: Regulation 2-1-403, Regulation 2-5)	N	
Part 83	Estimating emissions (Basis: Regulation 2-1-403, Regulation 2-5)	Y	
Part 84	Combined daily & annual PM10 limit for S-20, S-21, and S-22 (Basis: Regulation 2-1-312.11)	N	

IV. Source-specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements
S-26 – SANDBLASTING ROOM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition # 15250	**Permit Conditions**		
Part 8	Operating Requirements & Ringelmann 1.0 Limit (Basis: Cumulative Increase)	Y	
Part 9	Inspection, Monitoring & Recordkeeping (Basis: Regulation 2-6-409.2, Regulation 2-6-503, Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table's G, H and I deleted.

Table IV - J
Source-specific Applicable Requirements
S-56 – BATCH MATERIALS SILO & UNLOADING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.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 – K
Source-specific Applicable Requirements
S-57 – BATCH MIXING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #12144	**Permit Conditions**		
Part 1	Operating Requirements (Basis: Cumulative Increase)	Y	
Part 2	Ringelmann 0.5 Limit & Weekly Visible Emissions Monitoring (Basis: Regulation 1-301, Cumulative Increase)	Y	
Part 3	Inspection, Monitoring & Recordkeeping (Basis: Regulation 2-6-409.2, Regulation 2-6-503)	Y	
Part 4	Limit on outlet grain loading (Basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - L
Source-specific Applicable Requirements
S-61 – "M" PACKING DUST COLLECTION SYSTEM
S-62 – "O" PACKING DUST COLLECTION SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.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 - M
Source-specific Applicable Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-303	Ringelmann No. 2 Limitation	N	
6-1-303.1	Ringelmann Number 2 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-303	Ringelmann No.2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen oxides and carbon monoxide from stationary internal combustion engines (7/25/07)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	For emergency use for an unlimited number of hours	N	
9-8-330.2	Until January 1, 2012, for reliability-related activities so long as total hours of operation for this purpose do not exceed 100 hours in a calendar year, or limitations contained in a District permit, whichever is lower	N	
9-8-330.3	Effective January 1, 2012, for reliability-related activities so long as	N	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	total hours of operation for this purpose do not exceed 50 hours in a calendar year, or limitations contained in a District permit, whichever is lower. Hours of operation for reliability-related activities may exceed these limits only as necessary to comply with testing requirements of National Fire Protection Association (NFPA) 25 – "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition.		
9-8-502	Recordkeeping	N	
9-8-502.1	Monthly records of usage	N	
9-8-530	Emergency Standby and Low Usage Engines, Monitoring and Recordkeeping: Each emergency standby engine shall be equipped with a nonresettable totalizing meter that measures hours of operation or fuel usage.	N	
9-8-530.1	Keep a monthly log of usage that shall indicate the hours of operation (total)	N	
9-8-530.2	Keep a monthly log of usage that shall indicate the hours of operation (emergency)	N	
9-8-530.3	Keep a monthly log of usage that shall indicate for each emergency, the nature of the emergency condition	N	
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	An area source of HAPS is a source that is not a major source.	Y	
63.6590(a)(1)(iii)	Affected source under stationary RICE located at an area source of HAP emissions, constructed before 6/12/06	Y	
63.6595(a)	Comply with applicable emission limitations and operating limitations by 5/3/13.	Y	
63.6595(c)	Comply with applicable notification requirements in 63.6645 and 40 CFR Part 63, subpart A. (Note there are no applicable notification	Y	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	requirements under either of these sections)		
63.6603(a)	Comply with requirements of Table 2d, Part 4 (operating limitations of Tables 1b and 2b do not apply): 1. Change oil & filter every 500 hours of operation or annually, whichever comes first. Oil analysis program may be used to extend period. 2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first 3. Inspect all hoses and belts every 500 hours or annually, whichever comes first, and replace as necessary.	Y	
63.6605	General Requirements 1. Must be in compliance with applicable emission limitations and operating limitations 2. Operate engine in a manner consistent with safety and good air pollution control practices to minimize emissions.	Y	
63.6625(e)(3)	Maintain RICE and abatement controls according to manufacturer's instructions or develop own plan.	Y	
63.6625(f)	Install non-resettable hour meter (if one is not already installed)	Y	
63.6625(h)	Minimize idling, and minimize startup time to not exceed 30 minutes.	Y	
63.6640(a)	Demonstrate compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.	Y	
63.6640(b)	Report deviations from the requirements of Table 2d. Note: any deviations will be reported in accordance with Section I.F and I.G of this permit.	Y	
63.6640(e)	Report non-compliance with the any applicable requirement of Table 8.	Y	
63.6640(f)	Comply with requirements of (f)(1)(i) through (iii) below	Y	
63.6640(f)(1)(i)	No time limit when engine is used for emergencies	Y	
63.6640(f)(1)(ii)	Operation of engine for maintenance checks and readiness testing limited to 100 hours per year	Y	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6640(f)(1)(iii)	Operation of engine for non-emergency and not associated with maintenance checks and readiness testing is limited to 50 hours, which is counted towards the 100 hours per year maximum specified in 63.6640(f)(1)(ii)	Y	
63.6645(a)(5)	The notification requirements of 63.6645(a) do not apply to this engine.	Y	
63.6655(a)	Record Keeping (2) Records of occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment. (4) Records of all required maintenance performed on the air pollution control and monitoring equipment. (5)Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.	Y	
63.6655(d)	The owner/operator must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to the given RICE. The owner/operator shall keep records of use for testing and maintenance and any use in non-emergency situations.	Y	
63.6655(e)	You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE; (2) An existing stationary RICE	Y	
63.6660	Instructions for Records	Y	
63.6670	Implementation and enforcement of Subpart ZZZZ	Y	
Table 6	Continuous Compliance With Emission Limitations, Operating	Y	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	Limitations, Work Practices, and Management Practices		
Part 9	Work or Management practices: Operate and maintain the engine according to the manufacturer's emission-related operation and maintenance instructions	Y	
Table 8	Applicability of General Provisions to Subpart ZZZZ	Y	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines**		
93115.5	Fuel Requirements	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards (does not apply to S-65)	N	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations (does not apply to S-65)	N	
93115.6(b)(3)(A)(1)	General Requirements (does not apply to S-65)	N	
93115.6(b)(3)(A)(1)(a)	20 hours/yr for maintenance & testing (does not apply to S-65)	N	
93115.10(d)(1)	Monitoring Equipment	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.12	ATCM for Stationary CI Engines – Compliance Schedule for Owners or Operators of Four or More Engines (>50 bhp) Located within a District	N	
93115.12(a)	Compliance by 1/1/06 for engines complying by reducing hours of operation	N	
93115.15	Severability	N	
BAAQMD	**Applies to S-66, S-67, S-68, S-164, S-166, and S-167 only**		

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition # 22820	**Operating Requirements**		
Part 1	Operating limit for reliability-related activities (basis: Regulation 2-5)	N	
Part 2	Emergency standby engine operation (basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)	N	
Part 3	Non-resettable totalizing hour meter (basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)	N	
Part 4	Records (basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines))	N	
Part 5	At or nearby school restrictions (basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)	N	
BAAQMD Condition # 22851	**Applies to S65 only** **Operating Requirements**		
Part 1	Operating limit for reliability-related activities (basis: Regulation 2-5)		
Part 2	Emergency standby engine operation (basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)		
Part 3	Non-resettable totalizing hour meter (basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)	N	
Part 4	Records (basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines))	N	
Part 5	At or nearby school restrictions	N	

IV. Source-specific Applicable Requirements

Table IV - M
Source-specific Applicable Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines)		

IV. Source-specific Applicable Requirements

Table IV - N
Source-specific Applicable Requirements
S-69 – "M" LINE ASPHALT APPLICATOR
S-70 – "O" LINE ASPHALT APPLICATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (03/17/82)**		
7-301	General Limit on Odorous Substances	N	
7-302	Limit on Odorous Substances at or Beyond Property Line	N	
7-303	Limit on Odorous Compounds	N	
BAAQMD Regulation 8, Rule 4	**Organic Compounds – General Solvent and Surface Coating Operations (10/16/2002)**		
8-4-116	Limited Exemption, Specific Surface Preparation and Cleaning Operations	Y	
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-303.3	VOC content of coating < 3.5 lb/gal	Y	
8-4-312	Solvent Evaporation Loss Minimization	Y	
8-4-312.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-4-312.2	No Organic Compounds for Cleanup of Spray Equipment Unless Controls are Used	Y	
8-4-312.3	Closed Containers for Spent or Fresh Organic Solvents	Y	

IV. Source-specific Applicable Requirements

Table IV - N
Source-specific Applicable Requirements
S-69 – "M" LINE ASPHALT APPLICATOR
S-70 – "O" LINE ASPHALT APPLICATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-4-501	Recordkeeping	Y	
8-4-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-4-501.2	Annual Records of Coating Applied and Solvent Used	Y	
8-4-501.4	Monthly Usage Records	Y	
8-4-501.5	Records Retention	Y	
District Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	
BAAQMD Condition #12672	**Permit Conditions**		
Part 1	Ringelmann 1.0 Limit & Visible Emissions Monitoring (Basis: Regulation 6-1-301)	N	
Part 2	Source Test Once Per Permit Term: To Demonstrate Compliance With Regulation 8-2-301 (Basis: Regulation 2-6-503)	Y	

IV. Source-specific Applicable Requirements

Table IV - O
Source-specific Applicable Requirements
S-86 – "M" BATCH TRANSPORTER BIN & SILO

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #12144	**Permit Conditions**		
Part 5	Operating Requirements (Basis: Cumulative Increase)	Y	
Part 6	Ringelmann 0.5 Limit & Weekly Visible Emissions Monitoring (Basis: Regulation 1-301, Cumulative Increase)	Y	
Part 7	Inspection, Monitoring & Recordkeeping (Basis: Regulation 2-6-409.2)	Y	
Part 8	Limit on outlet grain loading (Basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - P
Source-specific Applicable Requirements
S-87 – "O" BATCH TRANSPORTER BIN & SILO

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #12144	**Permit Conditions**		
Part 9	Operating Requirements (Basis: Cumulative Increase)	Y	
Part 10	Ringelmann 0.5 Limit & Weekly Visible Emissions Monitoring (Basis: Regulation 1-301, Cumulative Increase)	Y	
Part 11	Inspection, Monitoring & Recordkeeping (Basis: Regulation 2-6-409.2)	Y	
Part 12	Limit on outlet grain loading (Basis: Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - Q
Source-specific Applicable Requirements
S-90 – BAD BATCH BIN

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter - General Requirements (12/5/07)**		
6-1-301	Ringelmann No.1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-311	General Operations	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No.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-R deleted

Table IV - S
Source-specific Applicable Requirements
S-155 – "M" LINE, INK JET PRINTING SYSTEM
S-156 – "O" LINE, INK JET PRINTING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 4	**Organic Compounds – General Solvent and Surface Coating Operations (10/16/2002)**		
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-312	Solvent Evaporation Loss Minimization	Y	
8-4-312.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-4-312.2	No Organic Compounds for Cleanup of Spray Equipment Unless Controls are Used	Y	
8-4-312.3	Closed Containers for Spent or Fresh Organic Solvents	Y	
8-4-313	Surface Preparation Standards	Y	
8-4-501	Recordkeeping	Y	
8-4-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-4-501.2	Annual Records of Coating Applied and Solvent Used	Y	
8-4-501.3	Daily Recording of Key System Operating Parameters	Y	
8-4-501.4	Monthly Usage Records	Y	
8-4-501.5	Records Retention	Y	
BAAQMD Condition #14391	**Permit Conditions**		
Part 1	Material usage limitation (Basis: Cumulative Increase)	Y	
Part 2	Limitation on precursor organic compound content of ink (Basis: Cumulative Increase)	Y	
Part 3	Prohibition on the usage of clean up solvent containing organics (Basis: Cumulative Increase)	Y	
Part 4	Limitation on annual precursor organic compound emissions (Basis: Cumulative Increase)	Y	
Part 5	Prohibition on emissions of non-precursor organic compounds (Basis: Cumulative Increase)	Y	
Part 6	Limitation on Toxic Air Contaminant Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV - S
Source-specific Applicable Requirements
S-155 – "M" LINE, INK JET PRINTING SYSTEM
S-156 – "O" LINE, INK JET PRINTING SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
	(Basis: Cumulative Increase, TRMP)		
Part 7	Recordkeeping requirements (Basis: Regulation 8-4-501, Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - T
Source-specific Applicable Requirements
S-157 – "M" MACHINE FLEXOGRAPHIC BUILDING INSULATION PRINTERS
S-158 – "O" MACHINE FLEXOGRAPHIC PRINTERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8 Rule 20	**Organic Compounds - Graphic Arts Printing and Coating Operations (11/19/08)**		
8-20-302	Flexographic, Gravure, Letterpress, and Lithographic Requirements	N	
8-20-320	Solvent Evaporative Loss Minimization	N	
8-20-503	Recordkeeping Requirements	N	
SIP Regulation 8 Rule 20	**Organic Compounds - Graphic Arts Printing and Coating Operations (3/3/99)**	Y	
8-20-302	Flexographic, Gravure, Letterpress, and Lithographic Requirements	Y	
8-20-320	Solvent Evaporative Loss Minimization	Y	
8-20-503	Recordkeeping Requirements	Y	
BAAQMD Condition #12378	**Permit Conditions**		
Part 1	Material usage limitation (Basis: Cumulative Increase)	Y	
Part 2	Limitation on precursor organic compound content of ink (Basis: Cumulative Increase)	Y	
Part 3	Prohibition on the usage of clean up solvent containing organics (Basis: Cumulative Increase)	Y	
Part 4	Limitation on annual precursor organic compound emissions (Basis: Cumulative Increase)	Y	
Part 5	Prohibition on emissions of non-precursor organic compounds (Basis: Cumulative Increase)	Y	
Part 6	Recordkeeping requirements (Basis: Regulation 8-20-503, Cumulative Increase)	Y	

IV. Source-specific Applicable Requirements

Table IV - U
Source-specific Applicable Requirements
S-160 – BINDER RED DYE TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #13661	**Permit Conditions**		
Part 1	Limit on vapor pressure of liquid materials stored in tank (Basis: Cumulative Increase)	Y	
Part 2	Limitation on materials stored in tank (Basis: Cumulative Increase)	Y	
Part 3	Record of material throughput (Basis: Cumulative Increase)	Y	
Part 4	Precursor organic compound emissions and Binder dye throughput limits (Basis: Cumulative Increase, TRMP)	N	

Table's IV-V, W, X deleted

IV. Source-specific Applicable Requirements

Table IV - Y
Source-specific Applicable Requirements
S-170 – "M" LINE RETAIL ROLL OVERWRAP TAPE GLUE SYSTEM
S-171 – "O" LINE RETAIL ROLL OVERWRAP TAPE GLUE SYSTEM

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 4	**Organic Compounds – General Solvent and Surface Coating Operations (10/16/2002)**		
8-4-116	Limited Exemption, Specific Surface Preparation and Cleaning Operations	Y	
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-312	Solvent Evaporation Loss Minimization	Y	
8-4-312.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-4-312.2	No Organic Compounds for Cleanup of Spray Equipment Unless Controls are Used	Y	
8-4-312.3	Closed Containers for Spent or Fresh Organic Solvents	Y	
8-4-501	Recordkeeping	Y	
8-4-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-4-501.2	Annual Records of Coating Applied and Solvent Used	Y	
8-4-501.3	Daily Recording of Key System Operating Parameters	Y	
8-4-501.4	Monthly Usage Records	Y	
8-4-501.5	Records Retention	Y	
BAAQMD Condition #23812	**Permit Conditions**		
Part 1	Throughput limit (Basis: Cumulative Increase, Offsets)	Y	
Part 2	Annual POC emissions limit (Basis: Cumulative Increase, Offsets)	Y	
Part 3	Daily POC emissions limit (Basis: 2-1-106.1)	N	
Part 4	Operational flexibility (Basis: Cumulative Increase, Offsets)	Y	
Part 5	Operational restrictions related to Reg. 8-4 standards (Basis: Regulation 8-4-302, 8-4-313)	Y	
Part 6	Recordkeeping requirements (Basis: Regulation 2-1-403, 8-4-501)	Y	

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 # 12144

For S – 57, BATCH MIXING; S-86, "M" TRANSPORTER BIN & SILO; S-87, "O" TRANSPORTER BIN & SILO:

S-57 Batch Mixing

1. The owner/operator shall ensure that particulate emissions from S-57 are routed under negative pressure to A-48 for abatement at all times that S-57 is operated and/or emits particulate emissions.
(Basis: Cumulative Increase)

2. The owner/operator shall ensure that fugitive particulate emissions from S-57 do not exceed Ringelmann 0.5 or result in fallout on adjacent property in amounts that cause a public nuisance. To ensure S-57 complies with the Ringelmann 0.5 limit, the owner/operator shall monitor visible emissions once a week. The owner/operator shall not operate S-57 if visible emissions are detected during the normal operation of the source.
(Basis: Regulation 1-301, Cumulative Increase)

3. The owner/operator shall ensure that the pressure drop measured by a District-approved manometer or other District-approved device that measures the pressure drop across A-48 ranges between 0" wc to 10" wc, and assures compliance of emissions from S-57 with parts 2 and 4 of this condition. The owner/operator shall inspect and record the condition of the bags for plugging and/or leaks and/or defects once every 6 months. The owner/operator shall record the type of defect detected, the date and time when the defect was detected, and the date and time when the defect was rectified in a repair log. The owner/operator shall maintain records of the semiannual baghouse inspection logs and baghouse repair logs on-site for five years from the date of last entry and shall make them available for inspection by District staff upon request.
(Basis: Regulation 2-6-409.2, Regulation 2-6-503)

4. The owner/operator shall ensure that the outlet grain loading of A-48 does not exceed 0.015 grain per dry standard cubic foot of exhaust effluent.
(Basis: Cumulative Increase)

S-86 "M" Transporter Bin & Silo

5. The owner/operator shall ensure that particulate emissions from S-86 are routed under negative pressure to A-34 for abatement at all times that S-86 is operated and/or emits particulate emissions.
(Basis: Regulation 1-301, Cumulative Increase)

6. The owner/operator shall ensure that fugitive particulate emissions from S-86 do not exceed Ringelmann 0.5 or result in fallout on adjacent property in amounts that cause a

VI. Permit Conditions

public nuisance. To ensure S-86 complies with the Ringelmann 0.5 limit, the owner/operator shall monitor visible emissions once a week. The owner/operator shall not operate S-86 if visible emissions are detected during the normal operation of the source. (Basis: Regulation 1-301, Cumulative Increase)

7. The owner/operator shall ensure that a District approved manometer or other District approved device is operated at A-34 that measures the pressure drop across the
A-34 Baghouse. The owner/operator shall maintain the pressure drop across the bags at a level that assures compliance of emissions from S-86 with parts 6 and 8 of this condition. The owner/operator shall monitor and record exhaust emissions from S-86 for visible emissions on a weekly basis. The owner/operator shall check the condition of the bags for plugging and/or leaks and/or defects once every 2 months. The owner/operator shall initiate corrective action immediately to rectify any defects detected during the weekly inspections. The owner/operator shall record the type of defect detected, the date and time when the defect was detected, and the date and time when the defect was rectified in a repair log. The owner/operator shall maintain records of the weekly visible emission observations, bimonthly baghouse inspection logs and baghouse repair logs on-site for five years from the date of last entry and shall make them available for inspection by District staff upon request
(Basis: Regulation 2-6-409.2)

8. The owner/operator shall ensure that the outlet grain loading of A-34 and A-48 does not exceed 0.015 grain per dry standard cubic foot of exhaust effluent.
(Basis: Cumulative Increase)

S-87 "O" Transporter Bin & Silo

9. The owner/operator shall ensure that particulate emissions from S-87 are routed under negative pressure to A-35 for abatement at all times that S-87 is operated and/or emits particulate emissions.
(Basis: Cumulative Increase)

10. The owner/operator shall ensure that fugitive particulate emissions from S-87 do not exceed Ringelmann 0.5 or result in fallout on adjacent property in amounts that cause a public nuisance. To ensure S-87 complies with the Ringelmann 0.5 limit, the owner/operator shall monitor visible emissions once a week. The owner/operator shall not operate S-87 if visible emissions are detected during the normal operation of the source.
(Basis: Regulation 1-301, Cumulative Increase)

11. The owner/operator shall ensure that a District approved manometer or other District approved device is operated at A-35 that measures the pressure drop across the A-35 Baghouse. The owner/operator shall maintain the pressure drop across the bags at a level that assures compliance of emissions from S-87 with parts 10 and 12 of this condition. The owner/operator shall monitor and record exhaust emissions from S-87 for visible emissions on a weekly basis. The owner/operator shall check the condition of the bags for plugging and/or leaks and/or defects once every 2 months. The owner/operator shall record the type of defect detected, the date and time when the

VI. Permit Conditions

defect was detected, and the date and time when the defect was rectified in a repair log. The owner/operator shall maintain records of the weekly visible emission observations, bimonthly baghouse inspection logs and baghouse repair logs on-site for five years from the date of last entry and shall make them available for inspection by District staff upon request
(Basis: Regulation 2-6-409.2)

12. The owner/operator shall ensure that the outlet grain loading of A-35 and A-48 does not exceed 0.015 grain per dry standard cubic foot of exhaust effluent.
(Basis: Cumulative Increase)

Condition # 12378

For S - 157, "M" MACHINE FLEXOGRAPHIC BUILDING INSULATION PRINTERS; S-158, "O" MACHINE FLEXOGRAPHIC PRINTERS:

1. The owner/operator shall ensure that the total usage of HG, HV, SR, DQ, FBI, HYG-8, HYV-8 flexo water base inks at S-157 and S-158 does not exceed 32,000 gallons per source in any rolling 12 consecutive month period.
(Basis: Cumulative Increase)
2. The owner/operator shall ensure that the POC content of the ink used at S-157 and S-158 does not exceed 10 percent, by weight, as determined by a District approved laboratory analysis method.
(Basis: Cumulative Increase)
3. The owner/operator shall ensure that none of the clean up materials used at S-157 and S-158 contains organic solvent borne compounds.
(Basis: Cumulative Increase)
4. The owner/operator shall ensure that the precursor organic compound emissions from S-157 and S-158 does not exceed 40.032 tons (80,064 pounds) from both sources combined in any rolling 12 consecutive month period.
(Basis: Cumulative Increase)
5. The owner/operator shall ensure that there are no non-precursor organic compound emissions at/from S-157 and S-158.
(Basis: Cumulative Increase)
6. The owner/operator shall record the monthly usage of ink at S-157 and S-158 in a District approved log in gallons. The owner/operator shall retain this log for at least five years from date of last entry. The owner/operator shall retain all records on-site and shall make them available for inspection by District staff upon request.
(Basis: Regulation 8-20-503, Cumulative Increase)

VI. Permit Conditions

Condition # 12672

For S-69, "M" LINE ASPHALT APPLICATOR; S-70, "O" LINE ASPHALT APPLICATOR:

1. The owner/operator shall ensure that visible emissions from S-69 and S-70 aggregated over 3 minutes in any hour does not exceed Ringelmann 1.0. To ensure that sources S-69 and S-70 comply with the Ringelmann 1.0 limit, the owner/operator shall monitor visible emissions once per week.
   (Basis: Regulation 6-1-301)
2. The owner/operator shall conduct a District-approved source test once every five years at S-69 and S-70 in order to demonstrate compliance with Regulation 8-2-301. The results of these tests shall be kept on site for at least five years from the date of the test and shall be made available to District staff upon request. The owner/operator shall notify the Manager of the District's Source Test Section at least thirty (30) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. Records of the source test results and any related correspondence with the District's Source Test Section shall be retained on-site by the owner/operator for a minimum of 5 years from the date of the document.
   (Basis: Regulation 2-6-503)

Condition # 13661

For S - 160, BINDER RED DYE TANK:

1. The owner/operator shall ensure that the true vapor pressure of the material stored in S-160 does not exceed 0.5 psia.
   (Basis: Cumulative Increase)
2. The owner/operator shall ensure that the total throughput of all Dye materials, including BASACID Red NB 432 Liquid 150% and Special Glass Red LH-N Liquid, to S-160, does not exceed 170 tons in any rolling 12 consecutive month period. (Basis: Cumulative Increase)
3. The owner/operator shall ensure that the monthly throughput of Dye to S-160 is recorded on a monthly basis in a District approved log in ton units. The owner/operator shall maintain the log on site, and shall retain the logs for at least five years following the date of last entry, and shall make them available to the District staff on request.
   (Basis: Cumulative Increase)
4. The owner/operator can store a liquid other than those specified in part 2 of this condition, provided both of the following criteria are met:

   (1) POC emissions, based on the maximum throughput in part 2 of this condition, do not exceed 20 pounds per year

   *(2) Toxic emissions at S-160 in lb/yr, based on the maximum throughput in part 2 of this condition, do not exceed any risk screening trigger level.
   (Basis: Cumulative Increase; TRMP)

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Condition # 14391

For S – 155, "M" LINE, INK JET PRINTING SYSTEM; S-156, "O" LINE, INK JET PRINTING SYSTEM:

1. The owner/operator shall ensure that the total usage of all inks including Hydroglo Black Ink EXS9604003 at S-155 and S-156 does not exceed 360 gallons for both sources combined in any rolling 12 consecutive month period.
   (Basis: Cumulative Increase)
2. The owner/operator shall ensure that the POC content of the ink used at S-155 and S-156 do not exceed 5 percent, by weight, as determined by a District approved laboratory analysis method.
   (Basis: Cumulative Increase)
3. The owner/operator shall ensure that none of the clean up materials used at S-155 and S-156 contain organic solvent borne compounds.
   (Basis: Cumulative Increase)
4. The owner/operator shall ensure that precursor organic compound emissions from S-155 and S-156 does not exceed 0.082 tons (164 pounds) from both sources combined in any rolling 12 consecutive month period.
   (Basis: Cumulative Increase)
5. The owner/operator shall ensure that there are no non-precursor organic compound emissions at/from S-155 and S-156.
   (Basis: Cumulative Increase)
6. *The owner/operator shall ensure that the toxic emissions in lb/yr, based on the maximum throughput at S-155 and S-156, are below the toxic air contaminant risk screening trigger levels identified in Table 2-5-1 in Regulation 2, Rule 5.
   (Basis: Cumulative Increase, TRMP)
7. The owner/operator shall record on a monthly basis the name and quantity, in gallons, of each ink used at S-155 and S-156 in a District approved log. The owner/operator shall retain the logs for at least five years from the date of last entry. The owner/operator shall maintain the logs on site and shall make them available to the District staff on request.
   (Basis: Regulation 8-4-501, Cumulative Increase)

Condition # 15250

For S-26, SANDBLASTING ROOM:

S-26, Sandblasting Room

8. The owner/operator shall ensure that S-26 is not operated unless it is abated by A-149. To ensure that source S-26 complies with Regulation 6-1-301, the owner/operator shall monitor visible emissions once per month.
   (Basis: Regulation 6-1-301, Cumulative Increase)

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9. The owner/operator shall maintain and keep baghouse A-149 in a good operating condition at all times that assures compliance with Regulation 6 standards. The owner/operator shall ensure that the pressure drop measured by a District-approved manometer or other District-approved device that measures the pressure drop across A-149 ranges between 0" wc to 10" wc. The owner/operator shall inspect and record the condition of the bags for plugging and/or leaks and/or defects once per year. The owner/operator shall record the type of defect detected, the date and time when the defect was detected, and the date and time when the defect was rectified in a repair log. The owner/operator shall maintain records of the yearly baghouse inspection logs and baghouse repair logs on-site for five years from the date of last entry and shall make them available for inspection by District staff upon request
(Basis: Regulation 2-6-409.2, Regulation 2-6-503, Cumulative Increase)

Condition # 16834

For S – 1, "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH; S-19, "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH:

1. * Within the provisions of part 3 of this condition, the owner/operator shall not operate S-1 'M' Electric Furnace unless its conditioner, channel, and forehearth are enclosed in such a manner as to minimize particulate emissions.
(Basis: TRMP)
2. * Within the provisions of part 3 of this condition, the owner/operator shall not operate S-19 'O' Electric Furnace unless its conditioner, channel, and forehearth are enclosed in such a manner as to minimize particulate emissions.
(Basis: TRMP)
3. * The conditioner, channel, and forehearth sections of S-1 and S-19 may be operated by the owner/operator in an open configuration to vent combustion products resulting from the use of the natural gas backup burners. The owner/operator shall ensure that S-1 and S-19 only operate in this unenclosed, open mode of operation for a combined total of 480 hours per year for both sources together.
(Basis: TRMP)
4. *In order to demonstrate compliance with part 3 of this condition, the owner/operator shall maintain daily records in a district approved log indicating each time, duration, and reason the conditioner, channel, or forehearth sections of S-1 or S-19 are opened. The owner/operator shall maintain the logs onsite for a period of five years from the date of the last entry and shall make them available to the District staff upon request.
(Basis: TRMP)
5. The owner/operator shall ensure that the total bare molten glass pulled at S-1 and S-19 does not exceed 6 tons per hour per furnace and 144 tons per day per furnace.
(Basis: 2-1-234, 2-1-307, 2-1-403)
6. The owner/operator shall maintain daily records of the amount of glass pulled at S-

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1 and S-19. The owner/operator shall retain the records on site for five years from the date of entry, and shall make the records available to District staff for inspection upon request.
(Basis: 2-6-501)

7. To ensure that sources S-1 and S-19 comply with Regulation 6-1-301, the owner/operator shall monitor visible emissions once per day.
(Basis: Regulation 6-1-301, Regulation 2-6-501).

8. The owner/operator shall conduct a District-approved source test at each furnace once every five years to ensure that the PM10 emissions, including filterable and condensable PM, from S-1 and S-19 does not exceed 0.5 pounds per ton of glass pulled per furnace. In addition to the above, the owner/operator of S-1 and S-19 shall also conduct a District-approved source test at each furnace once every five years to demonstrate compliance with District Regulations 6-1-310 and 6-1-311. The results of these tests shall be kept on site for at least five years from the date of the test and shall be made available to District staff upon request. The owner/operator shall notify the Manager of the District's Source Test Section at least thirty (30) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. Records of the source test results and any related correspondence with the District's Source Test Section shall be retained on-site by the owner/operator for a minimum of 5 years from the date of the document.
(Basis: Regulation 2-6-503)

9. The owner/operator of S-1 and S-19 shall conduct a District-approved source test at each furnace once every five years to demonstrate compliance with District Regulation 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 shall be made available to District staff upon request. The owner/operator shall notify the Manager of the District's Source Test Section at least thirty (30) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. Records of the source test results and any related correspondence with the District's Source Test Section shall be retained on-site by the owner/operator for a minimum of 5 years from the date of the document.
(Basis: Regulation 2-6-503)

10. The owner/operator of S-1 and S-19 shall conduct a District-approved source test at each furnace once every five years to demonstrate compliance with Regulation 11-1-301. The results of these tests shall be kept on site for at least five years from the date of the test and shall be made available to District staff upon request. The owner/operator shall notify the Manager of the District's Source Test Section at least thirty (30) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. Records of the source test results and any related correspondence with the District's Source Test Section shall be retained on-

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site by the owner/operator for a minimum of 5 years from the date of the document. (Basis: Regulation 2-6-503)

11. The owner/operator shall ensure the batch wetting water flow rate at S-1 and S-19 is maintained at a minimum of 0.3 GPM. The owner/operator shall monitor and record the batch wetting water flow rate at S-1 and S-19 once per day. The owner/operator shall maintain records of the daily water flow rate measurements in a log on-site for five years from the date of last entry and shall make the logs available for inspection by District staff upon request.
(Basis: Regulation 2-6-503)

12. The owner/operator shall develop procedures to initiate corrective action in a timely manner when the average temperature for any 3-hour block measured at a location 46 to 61 centimeters (18 to 24 inches) above the molten glass surface at S-1 and S-19 exceeds 120 ºC (250 ºF). The owner/operator shall incorporate the corrective action procedures in the facility's operations, maintenance, and monitoring plan.
(Basis: Regulation 2-6-503)

13. The owner/operator shall implement a Quality Implementation Plan (QIP) consistent with the compliance assurance monitoring requirements of 40 CFR Part 64, Subpart D when the temperature, as measured at a location 46 to 61 centimeters (18 to 24 inches) above the molten glass surface at S-1 and S-19 exceeds 120 ºC (250 ºF) for more than 5% of the total operating time in a 6-month block reporting period.
(Basis: Regulation 2-6-503)

14. The owner/operator shall operate S-1 and S-19 in a manner such that the temperature, as measured at a location 46 to 61 centimeters (18 to 24 inches) above the molten glass surface does not exceed 120 ºC (250 ºF) for more than 10% of the total operating time in a 6-month reporting period.
(Basis: Regulation 2-6-503)

15. The owner/operator shall install monitors and recorders at S-1 and S-19 at a location 46 to 61 centimeters (18 to 24 inches) above the molten glass surface to monitor and record the temperature on a daily basis (once per operating shift).
(Basis: Regulation 2-6-503)

16. The owner/operator shall ensure that the temperature monitors are calibrated and operating at S-1 and S-19. (Basis: Regulation 2-6-503)

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17. Prior to conducting source tests required by part 19 of this permit condition the owner/operator shall submit a source test protocol for approval to the District's Source Test Section. The owner/operator shall describe the test methods that will be used to determine the toxic air contaminant emissions of arsenic, chromium, and lead from S-1 and S-19. The owner/operator shall describe the expected throughputs to the furnaces during the source tests. (Basis: Regulation 2-6-503)

18. Within 90-days of issuance of the renewed Title V permit under Application 17948, and once every year thereafter, the owner/operator shall conduct source tests at sources S-1 and S-19 to determine the emissions of the following pollutants:
    a. *Arsenic
    b. *Chromium (Cr6)
    c. *Lead

*In addition to determining emissions of the TACs cited above, the initial source test at sources S-1 and S-19 shall also determine the Dioxins and Furans (D/F) emissions when using the starch-based binder. Results from the Health Risk Screening Analysis (HRSA), which is discussed in part 22 of this permit condition, will determine the frequency of periodic testing for D/F emissions at sources S-1 and S-19.

The owner/operator shall ensure that all source tests required by this permit condition are conducted while operating sources S-1 and S-19 at maximum capacity when they are producing a saleable product.

The requirement for testing "once every year" as used herein requires that the testing must commence annually during the period of time two weeks before or two weeks after the date on which the initial compliance testing was completed (the initial annual test date). If operating conditions at the Plant in subsequent years prevent the annual testing from being commenced during that window of time, the owner/operator shall notify the District and provide an explanation of the circumstances at the facility preventing the conduct of the annual testing. The District and the owner/operator will then agree upon an alternative time to commence the annual testing. Thereafter the agreed upon test date will become the new annual test date for setting the window for annual testing in future years until such time as circumstances require another adjustment to the annual test date. (Basis: Regulation 2-1-223.7, Regulation 2-6-409.2)

19. The owner/operator shall submit to the District's Source Test Section the results of the source tests that were conducted in accordance with part 19 of this condition. The results of these source tests shall be kept on site for at least five years from the date of the test and shall be made available to District staff upon request. The owner/operator shall notify the Manager of the District's Source Test Section at least thirty (30) days prior to the test, to

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provide the District staff the option of observing the testing. Within 60 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. Records of the source test results and any related correspondence with the District's Source Test Section shall be retained on-site by the owner/operator for a minimum of 5 years from the date of the document. The results of the source test shall be made available to the District within 60 days of the source test and kept for a minimum of 5 years from the date of the report.
(Basis: Regulation 2-6-503)

20. The frequency of source testing required under part 19 of this permit condition shall be reduced from annually to once every five years if HRSAs performed by the District's Toxics Evaluation Section staff in accordance with part 22 of this permit condition using three consecutive annual source tests document that the TAC emissions from S-1 and S-19 would result in a cancer risk that is less than 1.0 in a million and a chronic hazard index that is less than 0.20. The frequency of source testing for TACs shall revert back to annually if any source test documents the project risk associated with TAC emissions exceeded any of the project risk limits in Regulation 2-5-302. The source testing frequency for TACs can again be reduced to once every five years if another three consecutive annual source tests document that TAC emissions comply with all the project risk limits in Regulation 2-5-302. (Basis: Regulation 2-6-409.2)

21. *a. After approval of the source test results by the District Source Test Section, the District's Toxics Evaluation Section staff shall perform a Health Risk Screening Analysis (HRSA) to determine whether the project risk, as defined by BAAQMD Regulation 2-5-217, from sources S-1 and S-19, exceeds a cancer risk of 1.0 in one million or a chronic hazard index of 0.2 or an acute hazard index of 1.0. In the event the HRSA determines that the projected annual or hourly risk exceeds a cancer risk of 1.0 in one million or a chronic hazard index of 0.2, the District shall impose operational restrictions on the amount of time the owner/operator can operate S-1 and S-19 on a daily and annual basis. The operational restrictions shall remain in place until such time that the owner/operator either reduces the production capacity at
S-1 and S-19, or applies TBACT consistent with the requirements in BAAQMD Regulation 2-5-301. Compliance shall be determined using the procedures in part 24 of this condition.

*b. In the case that the projected annual or hourly risk exceeds a cancer risk of 10.0 in one million or a chronic hazard index of 1.0 or an acute hazard index of 1.0, the owner/operator

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shall comply with the TBACT requirement in BAAQMD Regulation 2-5-301 and shall curtail operations to remain below these levels. Compliance shall be determined using the procedures in part 24 of this condition.

*c. The District may impose limits on toxic air contaminants based on the results of the source tests.

(Basis: Regulation 2-5-217, Regulation 2-5-301)

22. * After approval by the District Source Test Section of the source test results, the owner/operator shall use the source test results that were gathered when using the starch-based binder at S-2 and S-20 to determine emission factors for S-1 and S-19 for each TAC that was tested on a lb/ton of glass pulled basis. (Basis: Regulation 2-1-403, Regulation 2-5)

23. *The owner/operator shall use the emission factors developed in accordance with part 23 to determine compliance with the acute and chronic TAC trigger levels in Table 2-5-1 of Regulation 2, Rule 5. The owner/operator shall multiply the emission factors for each TAC by the hourly throughputs of glass pulled at S-1 and S-19 to determine compliance with the acute TAC trigger levels in Table 2-5-1. Within 30 days of the end of each calendar month, the owner/operator shall sum the hourly totals for each calendar day in the calendar month to determine the monthly emissions. Within 30 days of the end of each calendar month, the owner/operator shall sum the monthly totals for the last consecutive 12-month period to determine compliance with the chronic TAC trigger levels in Table 2-5-1. The owner/operator shall report to the BAAQMD and the EPA any non-compliance in accordance with Standard Condition I.F of the Major Facility Review permit, and shall immediately reduce production at S-1 and S-19 until such time that the necessary remedial steps to come back into compliance have been reviewed by the District and implemented by the owner/operator. (Basis: Regulation 2-1-403, Regulation 2-5)

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Condition #22820
For S-66, S-67, S-68, S-164, S-166, & S-167 Diesel Engines:

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing. [Basis: Regulation 2-5]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.
   [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
   [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).
   [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

5. At School and Near-School Operation:
   If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:
   The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

   "School" or "School Grounds" means any public or private school used for the purposes of the

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education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition# 22851 ----------
For S-65 only

1. Operating for reliability-related activities is limited to no more than 34 hours per year per engine which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25. This emergency fire pump is subject to the current National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems."

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations]

2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(2)(B)(3)]

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

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1)]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.

a. Hours of operation for reliability-related activities (maintenance and testing).
b. Hours of operation for emission testing to show compliance with emission limits.
c. Hours of operation (emergency).
d. For each emergency, the nature of the emergency condition.
e. Fuel usage for each engine(s).

[Basis: "Stationary Diesel Engine ATCM" section 93115,
title 17, CA Code of Regulations, subsection (e)(4)(I),

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(or, Regulation 2-6-501)]

5. At School and Near-School Operation:

If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:

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

a. Whenever there is a school sponsored activity (if the engine is located on school grounds)

b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(1)] or (e)(2)(B)(2)]

Condition # 23812
S-170 - "M" line Retail Roll Overwrap Tape Glue System &
S-171 - "O" line Retail Roll Overwrap Tape Glue System

1. The owner/operator shall ensure that the total quantity of hot melt glue used at sources S-170 and S-171 in any consecutive twelve month period does not exceed 65 tons per year per source
(Basis: Cumulative Increase, Offsets)

2. The owner/operator shall ensure that the Precursor Organic Compound (POC) emissions from S-170 and S-171 in any consecutive twelve month period do not exceed 1,320 pounds per year per source.
(Basis: Cumulative Increase, Offsets)

3. The owner/operator shall ensure that the POC emissions from S-170 and S-171 do not exceed 10 pounds per highest day per source.
(Basis: Regulation 2-1-106.1)

4. The owner/operator may use hot melt glue or other types of glue materials at S-170 and S-171 in excess of the throughput limit specified in part 1 of this permit condition, provided the owner/operator can demonstrate that all of the following are satisfied:
    a. Total POC emissions from S-170 and S-171 do not exceed 1.32 tons (2,640 pounds) in any consecutive twelve month period; and
    b. The use of the glue materials does not result in Toxic Air Contaminant (TAC) emissions above District established Acute and/or Chronic TAC Trigger Levels outlined in Table 2-5-1 in Regulation 2, Rule 5 for a given TAC, or a group of TAC's.
    (Basis: Cumulative Increase, Offsets, Toxics)

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5. The owner/operator of S-170 and S-171 shall not use solvents or apply surface coatings unless one or more of the following requirements are satisfied:
   a. The owner/operator shall not emit more than 4,533 kg (5 tons) of volatile organic compounds (VOC) from any source during any calendar year; or
   b. Deleted Application 17948
   c. The owner/operator shall use coatings with a VOC content less than or equal to 420 grams per liter (3.5 lb/gal) of coating as applied.

   (Basis: Regulation 8-4-302, Regulation 8-4-313)

6. In order to determine compliance with the above conditions, the owner/operator of S-170 and S-171 shall maintain the following records in a District approved log:
   a. A current list of hot melt glues and solvents, in use that provide all of the data necessary to evaluate compliance, such as but not limited to the VOC content of the hot melt glue, the hot melt glue density and the VOC content of solvent.
   b. Record on an annual basis the quantity of hot melt glue applied.
   c. Deleted Application 17948
   d. Record, on a monthly basis, the hot melt glue usage and solvents used for surface preparation and clean up.

   The owner/operator shall retain all records on-site for at least five years from the date of entry and the records shall be made available for inspection by District staff upon request. The above record keeping requirements shall not replace the record keeping requirements contained in any applicable District regulations.
   (Basis: Regulation 2-1-403, Regulation 8-4-501)

Permit condition 24873 for:
S-2 - "M" Line Forming Section and S-20 - "O" Line Forming Section
S-3 - "M" Line Curing Oven Section and S-21 - "O" Line Curing Oven Section
S-4 – "M" Line Cooling Section and S-22 – "O" Line Cooling Section

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

1. The owner/operator shall ensure that the total bare molten glass pulled at S-2, S-3, S-4, S-20, S-21, and S-22 does not exceed 6 tons per hour per source and 144 tons per day per source. (Basis: Regulation 2-1-234)

2. The owner/operator shall maintain daily records of the amount of glass pulled at S-2, S-3, S-4, S-20, S-21, and S-22. The owner/operator shall retain the records on site for five years from the date of entry, and shall make the records available to District staff for inspection upon request. (Basis: Regulation 2-6-501)

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3. With the exception of the "M" Line Forming (S-2) section which is currently unabated, the owner/operator shall ensure that the "M" Line Curing Oven (S-3) section emissions are abated by the properly installed, properly operated, and properly maintained "M" Charge Incinerator (A-5) and "M" Discharge Incinerator (A-6) at all times that S-3 operates. The owner/operator shall ensure emissions from the "M" Line Smoke Stripper, which is downstream of S-3 and upstream of "M" Line Cooling section (S-4), is abated by the properly installed, properly operated, and properly maintained Air Action Cyclone Scrubber (A-101) in series with a High Performance Air Filter (A-102) at all times that S-3 operates. The owner/operator shall ensure that the pressure drop measured by a District-approved manometer or other District-approved device that measures the pressure drop across A-101 ranges between 1" wc to 20" wc, and A-102 ranges between 5" wc to 40" wc, respectively, and that the pressure drop across A-101 and A-102 is monitored and recorded once per shift. (Basis: Cumulative Increase)

4. The owner/operator shall ensure that the "M" Line Cooling (S-4) section emissions are abated by the properly installed, properly operated, and properly maintained High Efficiency Air Filter (A-7) at all times that S-4 operates. The owner/operator shall ensure that the pressure drop measured by a District-approved manometer or other District-approved device that measures the pressure drop across A-7 ranges between 0.1" wc to 3" wc, and that the pressure drop across A-7 is monitored and recorded once per day. (Basis: Cumulative Increase)

5. In order to ensure the abatement devices at S-3 and S-4 are properly installed, properly operated, and properly maintained, the owner/operator shall inspect and record in a District-approved log the condition of A-5 and A-6 on an annual basis, and the condition of A-7, A-101, A-102 shall be inspected and recorded in a District-approved log once per month. While conducting such inspections, the owner/operator shall record all types of defects detected at A-5, A-6, A-7, A-101, and A-102 , the date and time when each defect was detected, and the date and time when each defect was rectified in a District-approved repair log. The owner/operator shall maintain records of the inspection logs and repair logs on-site for five years from the date of last entry and shall make them available for inspection by District staff upon request. (Basis: Regulation 2-6-501, Regulation 6-1-301)

6. With the exception of the "O" Line Forming (S-20) section which is currently unabated, the owner/operator shall ensure that the "O" Line Curing Oven (S-21) section emissions are abated by the properly installed, properly operated, and properly maintained "O" Oven Incinerator (A-25) during all times that S-21 operates. The owner/operator shall ensure emissions from the "O" Line Smoke Stripper, which is downstream of S-21 and upstream of "O" Line Cooling section (S-22), is abated by the properly installed, properly operated, and properly maintained Air Action Cyclone Scrubber (A-99) in series with a High Performance Air Filter (A-100) at all times that S-21 operates. The owner/operator shall ensure that the pressure drop measured by a District-approved manometer or other District-approved device that measures the pressure drop across A-99 ranges between 1" wc to 20" wc, and A-100 ranges between 5" wc to 40" wc,

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respectively, and that the pressure drop across A-99 and A-100 is monitored and recorded once per shift. (Basis: Cumulative Increase)

7. The owner/operator shall ensure that the "O" Cooling Line (S-22) section emissions are abated by the properly installed, properly operated, and properly maintained "O" Cooling Scrubber (A-26) at all times that S-22 operates. The owner/operator shall ensure that the pressure drop measured by a District-approved manometer or other District-approved device that measures the pressure drop across A-26 ranges between 1" wc to 10" wc, and that the pressure drop across A-26 is monitored and recorded once per day. The owner/operator shall ensure that the water flow rate measured by a District-approved water flow meter or other District-approved device to measure the water flow rate across A-26 ranges between 50 gpm to 250 gpm, and that the water flow rate across A-26 is monitored and recorded once per day,. (Basis: Cumulative Increase)

8. In order to ensure the abatement devices at S-21 and S-22 are properly installed, properly operated, and properly maintained, the owner/operator shall inspect and record in a District-approved log the condition of A-25 on an annual basis, the condition of A-26 on a semi-annual basis, and the condition of A-99 and A-100 shall be inspected and recorded in a District-approved log once per month. While conducting such inspections, the owner/operator shall record all types of defects detected at A-25, A-26, A-99, and A-100, the date and time when each defect was detected, and the date and time when each defect was rectified in a District-approved repair log. The owner/operator shall maintain records of the inspection logs and repair logs on-site for five years from the date of last entry and shall make them available for inspection by District staff upon request.
(Basis: Regulation 2-6-501, Regulation 6-301)

9. The owner/operator shall control the rotary spin manufacturing "M" line and "O" line curing section emissions by thermal incineration with the following parameters.
   a. Maintain a minimum destruction temperature of 1340^{o}F unless the owner/operator can demonstrate to the satisfaction of the APCO that requirements in this permit condition can be met with A-5, A-6, and A-25 operating at a lower temperature.
   b. The destruction temperature at "M" Charge Incinerator (A-5), "M" Discharge Incinerator (A-6) and "O" Oven Incinerator (A-25) shall be recorded using chart or digital recorders.
   (Basis: Regulation 2-6-503)

ALLOWABLE TEMPERATURE EXCURSION(S)

10. The temperature limit in part 9.a of this condition shall not apply during an "Allowable Temperature Excursion", provided that the temperature controller setpoint complies with the temperature limit. An Allowable Temperature Excursion is one of the following:
    a. A temperature excursion not exceeding 20 degrees F; or
    b. A temperature excursion for a period or periods which when combined are less than or equal to 15 minutes in any hour; or

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c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.

i. the excursion does not exceed 50 degrees F;
ii. the duration of the excursion does not exceed 24 hours; and
iii. the total number of such excursions does not exceed 12 per calendar year (or any consecutive 12 month period).

Two or more excursions greater than 15 minutes in duration occurring during the same 24 hour period shall be counted as one excursion toward the 12 excursion limit.
(Basis: Regulation 2-6-503)

11. For each Allowable Temperature Excursion that exceeds 20 degrees F. and 15 minutes in duration, the owner/operator shall keep sufficient records to demonstrate that they meet the qualifying criteria described above. Records shall be retained for a minimum of five years from the date of entry, and shall be made available to the District upon request. Records shall include at least the following information:

a. Temperature controller setpoint;
b. Starting date and time, and duration of each Allowable Temperature Excursion;
c. Measured temperature during each Allowable Temperature Excursion;
d. Number of Allowable Temperature Excursions per month, and total number for the current calendar year; and
e. All strip charts or other temperature records.

(Basis: Regulation 2-6-503)

12. For the purposes of parts 10 and 11 of this condition, a temperature excursion refers only to temperatures below the limit. (Basis: Regulation 2-6-503)

13. Effective March 20, 2011, the owner/operator shall ensure that no phenol-formaldehyde based binder is used in wool fiberglass manufacturing operations at sources S-2, S-3, S-4, S-20, S-21, and S-22. (Regulation 2-1-403)

14. The owner/operator shall ensure that the use of the starch-based binder (replacement to the phenol-formaldehyde based binder) at S-2, S-3, S-4, S-20, S-21, and S-22 does not result in visible particulate matter emissions, cause objectionable odors, or result in fallout on adjacent property in such quantities as to cause a public nuisance per Regulation 1-301. In the event the use of the starch-based binder results in a public nuisance violation, the owner/operator shall stop using the starch-based binder until such time the cause of the public nuisance violation is addressed, or the District's Hearing Board grants the owner/operator a variance.
(Basis: Regulation 1-301)

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15. In order to ensure that sources S-2, S-3, S-4, S-20, S-21, and S-22 comply with the Ringelmann No. 1 limit in Regulation 6-1-301, the owner/operator shall perform a daily visible emissions check at the above sources and/or at the outlet of the abatement devices that abate their emissions once per day.
(Basis: Regulation 2-6-501, Regulation 6-1-301)

16. The owner/operator of S-2, S-3, S-4, S-20, S-21, and S-22 shall ensure that none of the above sources discharge into the atmosphere an emission containing more than 6.8 kg. (15 lbs.) per day and containing a concentration of more than 300 PPM total carbon on a dry basis. (Regulation 8-2-301)

17. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-2, "M" Line Rotary Spin Forming Line, do not exceed 515.59 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

18. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-2, "M" Line Rotary Spin Forming Line, do not exceed 84.89 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

19. The owner/operator shall ensure that the POC emissions at S-2, "M" Line Rotary Spin Forming Line, do not exceed 94.40 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

20. The owner/operator shall ensure that the POC emissions at S-2, "M" Line Rotary Spin Forming Line, do not exceed 13.22 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

21. The owner/operator shall ensure that the CO emissions at S-2, "M" Line Rotary Spin Forming Line, do not exceed 95.42 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

22. The owner/operator shall ensure that the CO emissions at S-2, "M" Line Rotary Spin Forming Line, do not exceed 15.71 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

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23. The owner/operator shall ensure that the NOX emissions at S-2, "M" Line Rotary Spin Forming Line, do not exceed 30.45 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

24. The owner/operator shall ensure that the NOX emissions at S-2, "M" Line Rotary Spin Forming Line, do not exceed 3.76 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

25. The owner/operator shall ensure that the SO2 emissions at S-2, "M" Line Rotary Spin Forming Line, do not exceed 37.17 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

26. The owner/operator shall ensure that the SO2 emissions at S-2, "M" Line Rotary Spin Forming Line, do not exceed 4.59 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

27. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-3 (sum-total of abated emissions emitted from A-5 and A-6), "M" Line Curing Oven, do not exceed 22.48 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

28. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-3 (sum-total of abated emissions emanating from A-5 and A-6), "M" Line Curing Oven, do not exceed 3.70 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

29. The owner/operator shall ensure that the POC emissions at S-3 (sum-total of abated emissions emitted from A-5 and A-6), "M" Line Curing Oven, do not exceed 5.33 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

30. The owner/operator shall ensure that the POC emissions at S-3 (sum-total of abated emissions emitted from A-5 and A-6), "M" Line Curing Oven, do not exceed 0.75 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

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31. The owner/operator shall ensure that the CO emissions at S-3 (sum-total of abated emissions emitted from A-5 and A-6), "M" Line Curing Oven, do not exceed 345.02 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

32. The owner/operator shall ensure that the CO emissions at S-3 (sum-total of abated emissions emitted from A-5 and A-6), "M" Line Curing Oven, do not exceed 56.81 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

33. The owner/operator shall ensure that the NOx emissions at S-3 (sum-total of abated emissions emitted from A-5 and A-6), "M" Line Curing Oven, do not exceed 248.44 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

34. The owner/operator shall ensure that the NOx emissions at S-3, "M" Line Curing Oven (sum-total of abated emissions emitted from A-5 and A-6), do not exceed 30.68 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

35. The owner/operator shall ensure that the SO2 emissions at S-3 (sum-total of abated emissions emitted from A-5 and A-6), "M" Line Curing Oven, do not exceed 5.61 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

36. The owner/operator shall ensure that the SO2 emissions at S-3 (sum-total of abated emissions emitted from A-5 and A-6), "M" Line Curing Oven, do not exceed 0.69 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

37. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 77.43 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

38. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 12.75 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

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39. The owner/operator shall ensure that the POC emissions at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 18.36 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

40. The owner/operator shall ensure that the POC emissions at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 2.55 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

41. The owner/operator shall ensure that the CO emissions at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 9.18 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

42. The owner/operator shall ensure that the CO emissions at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 1.51 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

43. The owner/operator shall ensure that the NOx emissions at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 4.42 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

44. The owner/operator shall ensure that the NOx emissions at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 0.55 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

45. The owner/operator shall ensure that the SO2 emissions at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 6.20 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

46. The owner/operator shall ensure that the SO2 emissions at S-4 (sum-total of abated emissions emitted from A-7, A-101, and A-102), "M" Cooling, do not exceed 0.77 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

47. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-20, "O" Line Rotary Spin Forming Line, do not exceed 464.84 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

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48. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-20, "O" Line Rotary Spin Forming Line, do not exceed 82.25 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

49. The owner/operator shall ensure that the POC emissions at S-20, "O" Line Rotary Spin Forming Line, do not exceed 138.08 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

50. The owner/operator shall ensure that the POC emissions at S-20, "O" Line Rotary Spin Forming Line, do not exceed 24.43 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

51. The owner/operator shall ensure that the CO emissions at S-20, "O" Line Rotary Spin Forming Line, do not exceed 211.51 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

52. The owner/operator shall ensure that the CO emissions at S-20, "O" Line Rotary Spin Forming Line, do not exceed 37.44 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

53. The owner/operator shall ensure that the NOx emissions at S-20, "O" Line Rotary Spin Forming Line, do not exceed 21.22 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

54. The owner/operator shall ensure that the NOx emissions at S-20, "O" Line Rotary Spin Forming Line, do not exceed 3.28 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

55. The owner/operator shall ensure that the SO2 emissions at S-20, "O" Line Rotary Spin Forming Line, do not exceed 38.51 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

56. The owner/operator shall ensure that the SO2 emissions at S-20, "O" Line Rotary Spin Forming Line, do not exceed 5.95 tons per year. Compliance shall be determined using

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the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

57. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-21 (abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed160.11 lb/day. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

58. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-21 (abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 28.33 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

59. The owner/operator shall ensure that the POC emissions at S-21(abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 2.28 lb/day. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

60. The owner/operator shall ensure that the POC emissions at S-21(abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 0.40 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulation 2-1-233, 2-1-307, 2-1-403)

61. The owner/operator shall ensure that the CO emissions at S-21(abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 451.58 lb/day. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

62. The owner/operator shall ensure that the CO emissions at S-21(abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 79.91 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

63. The owner/operator shall ensure that the NOx emissions at S-21(abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 277.64 lb/day. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

64. The owner/operator shall ensure that the NOx emissions at S-21(abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 42.93 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

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65. The owner/operator shall ensure that the SO2 emissions at S-21(abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 5.81 lb/day. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

66. The owner/operator shall ensure that the SO2 emissions at S-21(abated emissions emitted from A-25), "O" Line Curing Oven, do not exceed 0.90 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

67. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 40.86 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-234, 2-1-307, 2-1-403, SIP 2-2-223)

68. The owner/operator shall ensure that the PM10 emissions, including filterable and condensable PM, at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 7.23 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-234, 2-1-307, 2-1-403, SIP 2-2-223)

69. The owner/operator shall ensure that the POC emissions at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 10.13 lb/day. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

70. The owner/operator shall ensure that the POC emissions at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 1.79 tons per year. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

71. The owner/operator shall ensure that the CO emissions at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 12.07 lb/day. Compliance shall be determined using the procedures in part 83 of this condition.
(Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

72. The owner/operator shall ensure that the CO emissions at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 2.14 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

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73. The owner/operator shall ensure that the NOx emissions at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 5.33 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

74. The owner/operator shall ensure that the NOx emissions at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 0.82 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

75. The owner/operator shall ensure that the SO2 emissions at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 6.36 lb/day. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

76. The owner/operator shall ensure that the SO2 emissions at S-22 (sum-total of abated emissions emitted from A-26, A-99, and A-100), "O" Cooling, do not exceed 0.98 tons per year. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulations 2-1-233, 2-1-307, 2-1-403)

77. Prior to conducting source tests required by this permit condition the owner/operator shall submit a source test protocol for approval to the District's Source Test Section. The owner/operator shall describe the test methods that will be used to determine the NOx, SO2, CO, POC, PM10, and toxic air contaminant emissions associated with the use of the starch-based binder. The owner/operator shall describe the expected throughputs to the equipment during the source tests. (Basis: Regulation 2-1-301)

78. The owner/operator shall conduct source tests at sources S-2, S-3, S-4, S-20, S-21, and S-22, once a year to determine the emissions of the following pollutants:
    a. NOx
    b. CO
    c. POC
    d. PM10 (filterable)
    e. PM10 (condensable)
    f. SO2
    g. *Phenol
    h. *Formaldehyde
    i. *Methanol
    j. *Ammonia
    k. *Acetaldehyde

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With regards to phenol, formaldehyde, methanol, ammonia, and acetaldehyde cited above, the HRSA results discussed in part 81 of this permit condition will determine the frequency of periodic testing for the above TACs at sources S-2, S-3, S-4, S-20, S-21, and S-22 in accordance with part 80 of this permit condition.

In addition to quantifying the emissions of the criteria pollutants and TACs cited above, the owner/operator shall source test sources S-2, S-3, S-4, S-20, S-21, and S-22 to demonstrate compliance with the Regulation 6-1-310 particulate weight limit (of 0.15 grains per dscf per exhaust gas volume) and the Regulation 6-1-311 TSP limit once every year. For the purposes of demonstrating compliance with District Regulation 6-1-311, recycled trim shall be excluded from the allowable process weight rate "P" when determining the allowable rate of emissions "E" permitted under Table 1 of the above section in the rule. The owner/operator shall source test sources S-2, S-3, S-4, S-20, S-21, and S-22 to demonstrate compliance with the Regulation 8-2-301 once every year.

The owner/operator shall ensure that all source tests required by this permit condition are conducted while operating sources S-2, S-3, S-4, S-20, S-21, and S-22 at maximum capacity when they are producing a saleable product.

The requirement for testing "once every year" as used herein requires that the testing must commence annually during the period of time two weeks before or two weeks after the date on which the initial compliance testing was completed (the initial annual test date). If operating conditions at the Plant in subsequent years prevent the annual testing from being commenced during that window of time, the owner/operator shall notify the District and provide an explanation of the circumstances at the facility preventing the conduct of the annual testing. The District and the owner/operator will then agree upon an alternative time to commence the annual testing. Thereafter the agreed upon test date will become the new annual test date for setting the window for annual testing in future years until such time as circumstances require another adjustment to the annual test date. (Basis: Regulation 2-1-223.7, 2-1-301, Regulation 2-6-409.2)

79. The owner/operator shall submit to the District's Source Test Section the results of the source tests that were conducted in accordance with part 78 of this condition. The results of these source tests shall be kept on site for at least five years from the date of the test and shall be made available to District staff upon request. The owner/operator shall notify the Manager of the District's Source Test Section at least thirty (30) days prior to the test, to provide the District staff the option of observing the testing. Within 60 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. Records of the source test results and any related correspondence with the District's Source Test Section shall be retained on-site by the owner/operator for a minimum of 5 years from the date of the document. The results of the source test shall be made available to the District within 60

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days of the source test and kept for a minimum of 5 years from the date of the report. (Basis: Regulation 2-1-301, Regulation 2-6-503)

80. For a given criteria pollutant, the frequency of source testing required under part 78 of this permit condition shall be reduced from annually to once every five years if three consecutive annual source tests document that emissions of the pollutant are less than 50 percent of the standard. The frequency of source testing shall revert back to annually if any source test documents that emissions of the pollutant are 50 percent of the standard or more. The source testing frequency can again be reduced to once every five years if another three consecutive annual source tests document that emissions of the pollutant are less than 50 percent of the standard.

    For TACs, the frequency of source testing required under part 78 of this permit condition shall be reduced from annually to once every five years if HRSAs performed by the District's Toxics Evaluation Section staff in accordance with part 81 of this permit condition using three consecutive annual source tests document that the TAC emissions from S-20 through S-22 would result in a cancer risk that is less than 1.0 in a million and a chronic hazard index that is less than 0.20. The frequency of source testing for TACs shall revert back to annually if any source test documents the project risk associated with TAC emissions exceeded any of the project risk limits in Regulation 2-5-302. The source testing frequency for TACs can again be reduced to once every five years if another three consecutive annual source tests document that TAC emissions comply with all the project risk limits in Regulation 2-5-302. (Basis: Regulation 2-6-409.2)

81. *a. After approval of the source test results by the District Source Test Section, the District's Toxics Evaluation Section staff shall perform a Health Risk Screening Analysis (HRSA) to determine whether the project risk, as defined by BAAQMD Regulation 2-5-217, from sources S-2, S-3, S-4, S-20, S-21, and S-22, exceeds a cancer risk of 1.0 in one million or a chronic hazard index of 0.2 or an acute hazard index of 1.0. In the event the HRSA determines that the projected annual or hourly risk exceeds a cancer risk of 1.0 in one million or a chronic hazard index of 0.2, the District shall impose operational restrictions on the amount of time the owner/operator can operate S-2, S-3, S-4, S-20, S-21, and S-22 on a daily and annual basis. The operational restrictions shall remain in place until such time that the owner/operator either reduces the production capacity at S-2, S-3, S-4, S-20, S-21, and S-22, or applies TBACT consistent with the requirements in BAAQMD Regulation 2-5-301. Compliance shall be determined using the procedures in part 83 of this condition.

    *b. In the case that the projected annual or hourly risk exceeds a cancer risk of 10.0 in one million or a chronic hazard index of 1.0 or an acute hazard index of 1.0, the owner/operator shall comply with the TBACT requirement in BAAQMD Regulation 2-5-301 and shall curtail operations to remain below these levels. Compliance shall be determined using the procedures in part 83 of this condition.

VI. Permit Conditions

*c. The District may impose limits on toxic air contaminants based on the results of the source tests.

(Basis: Regulation 2-5-217, Regulation 2-5-301)

82. After approval by the District Source Test Section of the source test results, the owner/operator shall use the source test results that were gathered when using the starch-based binder to determine emission factors for each criteria pollutant and TAC that was tested on a lb/ton of glass pulled basis. (Basis: Regulation 2-1-403, Regulation 2-5)

83. The owner/operator shall use the emission factors developed in accordance with part 82 to determine compliance with the daily and annual limits outlined in parts 17 through 76 of this permit condition. The owner/operator shall multiply the emission factors for each pollutant by the daily throughputs of glass pulled at S-2, S-3, S-4, S-20, S-21, and S-22 to determine compliance with the daily limits. Within 30 days of the end of each calendar month, the owner/operator shall sum the totals for each calendar day in the calendar month to determine the monthly emissions. Within 30 days of the end of each calendar month, the owner/operator shall sum the monthly totals for the last consecutive 12-month period to determine compliance with the annual limits. The owner/operator shall report to the BAAQMD and the EPA any non-compliance in accordance with Standard Condition I.F of the Major Facility Review permit, and shall immediately reduce production at S-2, S-3, S-4, S-20, S-21, and S-22 until such time that the necessary remedial steps to come back into compliance have been reviewed by the District and implemented by the owner/operator. (Basis: Regulation 2-1-403, Regulation 2-5)

84. The owner/operator shall ensure that the sum-total of PM10 emissions, including filterable and condensable PM, at S-20, S-21, and S-22 do not exceed 665.81 lb/day and 117.81 TPY. Compliance shall be determined using the procedures in part 83 of this condition. (Basis: Regulation 2-1-312.11)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included 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 column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), 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.

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 16834, Part 7	P/D	Visual Observation Recordkeeping
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 16834, Part 7	P/D	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 16834, Part 7	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 16834, Part 7	P/D	Visual Observation Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Open Confi-guration Furnace Operation	BAAQMD Permit Condition 16834, Part 3	Y		Hours of Operation < 480 hrs/yr for both furnaces	BAAQMD Permit Condition 16834, Part 4	P/D	Recordkeeping
Glass Production	BAAQMD Permit Condition 16834, Part 5	Y		6 tons/hour 144 tons/day	BAAQMD Permit Condition 16834, Part 6	P/D	Recordkeeping
PM10	BAAQMD Permit Condition 16834, Part 8	Y		0.5 lb/ton of glass pulled/furnace	BAAQMD Permit Condition 16834, Part 8	P Once Per Permit Term	Source Test
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 16834, Part 8	P Once Per Permit Term	Source Test
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 16834, Part 8	P Once Per Permit Term	Source Test
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 16834, Part 8	P Once Per Permit Term	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 16834, Part 8	P Once Per Permit Term	Source Test
SO_2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppm (dry)	BAAQMD Permit Condition 16834, Part 9	P Once Per Permit Term	Source Test
Lead	BAAQMD Regulation 11-1-301	Y		15 lb/day	BAAQMD Permit Condition 16834, Part 10	P Once Per Permit Term	Source Test
Lead	BAAQMD Regulation 11-1-302	Y		Ground Level Concentration not to exceed 1.0 ug/cubic meter, 24 hr. avg.	None	N	None
Batch Wetting Process – Water Flow Rate Limit	BAAQMD Permit Condition 16834, Part 11	Y		Water flow rate ≥ 0.3 GPM	40 CFR BAAQMD Permit Condition 16834, Part 11	P/D	Recordkeeping - Water Flow Rate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Cold Top Electric Furnace Temperature	BAAQMD Permit Condition 16834, Part 14	Y		Temperature measured at a location 46 to 61 centimeters (18 to 24 inches) above the molten glass surface ≤ 120 ºC (250 ºF)	BAAQMD Permit Condition 16834, Part 15	P/D Once Per Shift	Recordkeeping - Temperature
Glass Pull Rate	40 CFR 63.1382 (b)(5)	Y		Average glass pull rate for any 4-hour block period S-1 ≤ 12,421.2 lbs/hr S-19 ≤ 13,010.4 lbs/hr	40 CFR 63.1383 (f)(1)	P/H	Recordkeeping – Glass Pull Rate

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 24873, Part 15	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Glass Production	BAAQMD Permit Condition 24873, Part 1	Y		6 tons/hour 144 tons/day	BAAQMD Permit Condition 24873, Part 2	P/D	Recordkeeping
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 17	Y		515.59 lb PM10/day for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 17	Y		515.59 lb PM10/day for S2	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
PM10	BAAQMD Condition 24873, part 18	Y		84.89 tpy PM10 for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 18	Y		84.89 tpy PM10 for S2	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
PM10	BAAQMD Condition 24873, part 47	Y		464.84 lb PM10/day for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 47	Y		464.84 lb PM10/day for S20	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM10	BAAQMD Condition 24873, part 48	Y		82.25 tpy PM10 for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 48	Y		82.25 tpy PM10 for S20	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
PM10	BAAQMD Condition 24873, part 84	Y		665.81 lb PM10/day for S20, S21, S-22	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 84	Y		665.81lb PM10/day for S20, S21, S-22	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
PM10	BAAQMD Condition 24873, part 84	Y		117.81 tpy for S20, S21, S-22	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 84	Y		117.81 tpy for S20, S21, S-22	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
SO_2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppm (dry)	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 24873, part 25	Y		37.17 lb SO2/day for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 25	Y		37.17 lb SO2/day for S2	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
SO2	BAAQMD Condition 24873, part 26	Y		4.59 tpy SO2 for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 26	Y		4.59 tpy SO2 for S2	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
SO2	BAAQMD Condition 24873, part 55	Y		38.51 lb SO2/day for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 55	Y		38.51 lb SO2/day for S20	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
SO2	BAAQMD Condition 24873, part 56	Y		5.95 tpy SO2 for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 56	Y		5.95 tpy SO2 for S20	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 24873, part 23	Y		30.45 lb NOX/day for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 23	Y		30.45 lb NOX/day for S2	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
NOx	BAAQMD Condition 24873, part 24	Y		3.76 tpy NOX for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 24	Y		3.76 tpy NOX for S2	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
NOx	BAAQMD Condition 24873, part 53	Y		21.22 lb NOX/day for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 53	Y		21.22 lb NOX/day for S20	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
NOx	BAAQMD Condition 24873, part 54	Y		3.28 tpy NOX for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 54	Y		3.28 tpy NOX for S20	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-2-301	Y		15 lb/day AND more than 300 ppm total carbon	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 16	Y		15 lb/day AND more than 300 ppm total carbon	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 19	Y		94.40 lb POC/day for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 19	Y		94.40 lb POC/day for S2	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
POC	BAAQMD Condition 24873, part 20	Y		13.22 tpy POC for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 20	Y		13.22 tpy POC for S2	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
POC	BAAQMD Condition 24873, part 49	Y		138.08 lb POC/day for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 49	Y		138.08 lb POC/day for S20	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition 24873, part 50	Y		24.43 tpy POC for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 50	Y		24.43 tpy POC for S20	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
CO	BAAQMD Condition 24873, part 21	Y		95.42 lb CO/day for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 21	Y		95.42 lb CO/day for S2	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
CO	BAAQMD Condition 24873, part 22	Y		15.71 tpy CO for S2	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 22	Y		15.71 tpy CO for S2	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
CO	BAAQMD Condition 24873, part 51	Y		211.51 lb CO/day for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 51	Y		211.51 lb CO/day for S20	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S - 2 – "M" FORMING
S-20 – "O" FORMING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition 24873, part 52	Y		37.44 tpy CO for S20	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 52	Y		37.44 tpy CO for S20	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 24873, Part 15	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Glass Production	BAAQMD Permit Condition 24873, Part 1	Y		6 tons/hour 144 tons/day	BAAQMD Permit Condition 24873, Part 2	P/D	Recordkeeping
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
FP	BAAQMD Permit Condition 24873, Part 6	Y		Pressure drop range across A-99: 1" wc to 20" wc	BAAQMD Permit Condition 24873, Part 6	P/E Once per shift	Recordkeeping
FP	BAAQMD Permit Condition 24873, Part 6	Y		Pressure drop range across A-100: 5" wc to 40" wc	BAAQMD Permit Condition 24873, Part 6	P/E Once per shift	Recordkeeping
FP	BAAQMD Permit Condition 24873, Part 3	Y		Pressure drop range across A-101: 1" wc to 20" wc	BAAQMD Permit Condition 24873, Part 3	P/E Once per shift	Recordkeeping
FP	BAAQMD Permit Condition 24873, Part 3	Y		Pressure drop range across A-102: 5" wc to 40" wc	BAAQMD Permit Condition 24873, Part 3	P/E Once per shift	Recordkeeping
PM10	BAAQMD Condition 24873, part 27	Y		22.48 lb PM10/day for S3	BAAQMD Condition 24873, part 78	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM10	BAAQMD Condition 24873, part 27	Y		22.48 lb PM10/day for S3	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
PM10	BAAQMD Condition 24873, part 28	Y		3.70 tpy PM10 for S3	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 28	Y		3.70 tpy PM10 for S3	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
PM10	BAAQMD Condition 24873, part 57	Y		160.11 lb PM10/day for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 57	Y		160.11 lb PM10/day for S21	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
PM10	BAAQMD Condition 24873, part 58	Y		28.33 tpy PM10 for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 58	Y		28.33 tpy PM10 for S21	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
PM10	BAAQMD Condition 24873, part 84			665.81 lb PM10/day for S20, S21, S-22	BAAQMD Condition 24873, part 78	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM10	BAAQMD Condition 24873, part 84			665.81 lb PM10/day for S20, S21, S-22	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
PM10	BAAQMD Condition 24873, part 84			117.81 tpy for S20, S21, S-22	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 84			117.81 tpy for S20, S21, S-22	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
SO_2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppm (dry)	None	N	None
SO2	BAAQMD Condition 24873, part 35			5.61 lb SO2/day for S3	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 35			5.61 lb SO2/day for S3	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
SO2	BAAQMD Condition 24873, part 36			0.69 tpy SO2 for S3	BAAQMD Condition 24873, part 78	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 24873, part 36			0.69 tpy SO2 for S3	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
SO2	BAAQMD Condition 24873, part 65			5.81 lb SO2/day for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 65			5.81 lb SO2/day for S21	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
SO2	BAAQMD Condition 24873, part 66			0.90 tpy SO2 for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 66			0.90 tpy SO2 for S21	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
NOx	BAAQMD Condition 24873, part 33			248.44 lb NOX/day for S3	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 33			248.44 lb NOX/day for S3	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
NOx	BAAQMD Condition 24873, part 34			30.68 tpy NOX for S3	BAAQMD Condition 24873, part 78	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 24873, part 34			30.68 tpy NOX for S3	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
NOx	BAAQMD Condition 24873, part 63			277.64 lb NOX/day for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 63			277.64 lb NOX/day for S21	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
NOx	BAAQMD Condition 24873, part 64			42.93 tpy NOX for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 64			42.93 tpy NOX for S21	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
POC	BAAQMD 8-2-301	Y		15 lb/day AND more than 300 ppm total carbon	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 16	Y		15 lb/day AND more than 300 ppm total carbon	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 29			5.33 lb POC/day for S3	BAAQMD Condition 24873, parts 9-12	C	Recordkeeping – Firebox Operating Temperature

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition 24873, part 29			5.33 lb POC/day for S3	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 29			5.33 lb POC/day for S3	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
POC	BAAQMD Condition 24873, part 30			0.75 tpy POC for S3	BAAQMD Condition 24873, parts 9-12	C	Recordkeeping – Firebox Operating Temperature
POC	BAAQMD Condition 24873, part 30			0.75 tpy POC for S3	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 30			0.75 tpy POC for S3	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
POC	BAAQMD Condition 24873, part 59			2.28 lb POC/day for S21	BAAQMD Condition 24873, parts 9-12	C	Recordkeeping – Firebox Operating Temperature
POC	BAAQMD Condition 24873, part 59			2.28 lb POC/day for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 59			2.28 lb POC/day for S21	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition 24873, part 60			0.40 tpy POC for S21	BAAQMD Condition 24873, parts 9-12	C	Recordkeeping – Firebox Operating Temperature
POC	BAAQMD Condition 24873, part 60			0.40 tpy POC for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 60			0.40 tpy POC for S21	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
CO	BAAQMD Condition 24873, part 31			345.02 lb CO/day for S3	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 31			345.02 lb CO/day for S3	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
CO	BAAQMD Condition 24873, part 32			56.81 tpy CO for S3	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 32			56.81 tpy CO for S3	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
CO	BAAQMD Condition 24873, part 61			451.58 lb CO/day for S21	BAAQMD Condition 24873, part 78	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition 24873, part 61			451.58 lb CO/day for S21	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
CO	BAAQMD Condition 24873, part 62			79.91 tpy CO for S21	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 62			79.91 tpy CO for S21	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
Incinerator Firebox Temperature	BAAQMD Condition 24873, part 9	Y		Average firebox temperature at A-5, A-6 and A-25 for any 3-hour block period ≥ 1340 ºF (Firebox temperature can be lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizers are operated at a temperature lower than 1,340 ^{o}F)	BAAQMD Condition 24873, parts 9 though 12	C	Recordkeeping – Firebox Operating Temperature

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Incinerator Firebox	BAAQMD Permit Condition 24873, Part 5	Y		Proper Incinerator Maintenance for A-5 & A-6	BAAQMD Condition 24873, Part 5	P/A	Inspection – Incinerator
Incinerator Firebox	BAAQMD Permit Condition 24873, Part 8	Y		Proper Incinerator Maintenance for A-25	BAAQMD Condition 24873, Part 8	P/A	Inspection – Incinerator
Incinerator temperature	BAAQMD Permit Condition 24873, Part 9a	Y		1340 degrees F (or lower if the owner/operator demonstrates to the satisfaction of the APCO that the requirements of permit condition 24873 can be met if the thermal oxidizers are operated at a temperature lower than 1,340 ^{o}F)	BAAQMD Condition 24873, Part 9b	C	Temperature monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-4 – "M" COOLING
S-22 – "O" COOLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 24873, Part 15	N		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 24873, Part 15	P/D	Visual Observation Recordkeeping
Glass Produc-tion	BAAQMD Permit Condition 24873, Part 1	N		6 tons/hour 144 tons/day	BAAQMD Permit Condition 24873, Part 2	P/D	Recordkeeping
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-4 – "M" COOLING
S-22 – "O" COOLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 24873, Part 78	P/A	Source Test
FP	BAAQMD Permit Condition 24873, Part 4	Y		Pressure drop range across A-7: 0.1" wc to 3" wc	BAAQMD Permit Condition 24873, Part 4	P/D	Recordkeeping
FP	BAAQMD Permit Condition 24873, Part 7	Y		Pressure drop range across A-26: 1" wc to 10" wc	BAAQMD Permit Condition 24873, Part 7	P/D	Recordkeeping
FP	BAAQMD Permit Condition 24873, Part 7	Y		Water flow rate across A-26: 50 gpm to 250 gpm	BAAQMD Permit Condition 24873, Part 7	P/D	Recordkeeping
PM10	BAAQMD Condition 24873, part 37	Y		77.43 lb PM10/day for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 37	Y		77.43 lb PM10/day for S4	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-4 – "M" COOLING
S-22 – "O" COOLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM10	BAAQMD Condition 24873, part 38	Y		12.75 tpy PM10 for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 38	Y		12.75 tpy PM10 for S4	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
PM10	BAAQMD Condition 24873, part 67	Y		40.86 lb PM10/day for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 67	Y		40.86 lb PM10/day for S22	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
PM10	BAAQMD Condition 24873, part 68	Y		7.23 tpy PM10 for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 68	Y		7.23 tpy PM10 for S22	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
PM10	BAAQMD Condition 24873, part 84	Y		665.81 lb PM10/day for S20, S21, S-22	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 84	Y		665.81 lb PM10/day for S20, S21, S-22	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-4 – "M" COOLING
S-22 – "O" COOLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM10	BAAQMD Condition 24873, part 84	Y		117.81 tpy for S20, S21, S-22	BAAQMD Condition 24873, part 78	P/A	Source Test
PM10	BAAQMD Condition 24873, part 84	Y		117.81 tpy for S20, S21, S-22	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
SO_2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None
SO_2	BAAQMD Regulation 9-1-302	Y		300 ppm (dry)	None	N	None
SO2	BAAQMD Condition 24873, part 45	Y		6.20 lb SO2/day for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 45	Y		6.20 lb SO2/day for S4	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
SO2	BAAQMD Condition 24873, part 46	Y		0.77 tpy SO2 for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 46	Y		0.77 tpy SO2 for S4	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-4 – "M" COOLING
S-22 – "O" COOLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Condition 24873, part 75	Y		6.36 lb SO2/day for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 75	Y		6.36 lb SO2/day for S22	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
SO2	BAAQMD Condition 24873, part 76	Y		0.98 tpy SO2 for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
SO2	BAAQMD Condition 24873, part 76	Y		0.98 tpy SO2 for S22	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
NOx	BAAQMD Condition 24873, part 43	Y		4.42 lb NOX/day for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 43	Y		4.42 lb NOX/day for S4	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
NOx	BAAQMD Condition 24873, part 44	Y		0.55 tpy NOX for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 44	Y		0.55 tpy NOX for S4	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-4 – "M" COOLING
S-22 – "O" COOLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Condition 24873, part 73	Y		5.33 lb NOX/day for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 73	Y		5.33 lb NOX/day for S22	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
NOx	BAAQMD Condition 24873, part 74	Y		0.82 tpy NOX for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
NOx	BAAQMD Condition 24873, part 74	Y		0.82 tpy NOX for S22	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
POC	BAAQMD 8-2-301	Y		15 lb/day AND more than 300 ppm total carbon	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 16	Y		15 lb/day AND more than 300 ppm total carbon	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 39	Y		18.36 lb POC/day for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 39	Y		18.36 lb POC/day for S4	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-4 – "M" COOLING
S-22 – "O" COOLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition 24873, part 40	Y		2.55 tpy POC for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 40	Y		2.55 tpy POC for S4	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
POC	BAAQMD Condition 24873, part 69	Y		10.13 lb POC/day for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 69	Y		10.13 lb POC/day for S22	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
POC	BAAQMD Condition 24873, part 70	Y		1.79 tpy POC for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
POC	BAAQMD Condition 24873, part 70	Y		1.79 tpy POC for S22	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
CO	BAAQMD Condition 24873, part 41	Y		9.18 lb CO/day for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 41	Y		9.18 lb CO/day for S4	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-4 – "M" COOLING
S-22 – "O" COOLING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD Condition 24873, part 42	Y		1.51 tpy CO for S4	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 42	Y		1.51 tpy CO for S4	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations
CO	BAAQMD Condition 24873, part 71	Y		12.07 lb CO/day for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 71	Y		12.07 lb CO/day for S22	BAAQMD Condition 24873, parts 82 and 83	P/D	Calculations
CO	BAAQMD Condition 24873, part 72	Y		2.14 tpy CO for S22	BAAQMD Condition 24873, part 78	P/A	Source Test
CO	BAAQMD Condition 24873, part 72	Y		2.14 tpy CO for S22	BAAQMD Condition 24873, parts 82 and 83	P/M	Calculations

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S-26 – SANDBLASTING ROOM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 15250, Part 8	P/M	Visual Observation Recordkeeping
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 15250, Part 8	P/M	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 15250, Part 8	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 15250, Part 8	P/M	Visual Observation Recordkeeping
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 15250, Part 8	P/M	Pressure drop monitoring
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 15250, Part 8	P/M	Pressure drop monitoring
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 15250, Part 8	P/M	Pressure drop monitoring
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 15250, Part 8	P/M	Pressure drop monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - E
Applicable Limits and Compliance Monitoring Requirements
S-26 – SANDBLASTING ROOM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD Permit Condition 15250, Part 9	Y		Pressure drop range across A-149: 0" wc to 10" wc	BAAQMD Permit Condition 15250, Part 8	P/M	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-F deleted

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S-56 – BATCH MATERIALS SILO & UNLOADING SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-57 – BATCH MIXING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	BAAQMD Permit Condition 12144, Part 2	Y		Ringelmann 0.5 For less than 3 minutes in an hour	BAAQMD Permit Condition 12144, Part 3	P/W	Visual Observation Recordkeeping
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 12144, Part 2	P/W	Pressure drop monitoring
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 12144, Part 2	P/W	Pressure drop monitoring
FP	BAAQMD Permit Condition 12144, Part 4	Y		0.015 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 12144, Part 2	P/W	Pressure drop monitoring
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 12144, Part 2	P/W	Pressure drop monitoring

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - H
Applicable Limits and Compliance Monitoring Requirements
S-57 – BATCH MIXING

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 12144, Part 2	P/W	Pressure drop monitoring
FP	BAAQMD Permit Condition 12144, Part 3	Y		Pressure drop range across A-48: 0" wc to 10" wc	BAAQMD Permit Condition 12144, Part 2	P/W	Recordkeeping

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S-61 – "M" PACKING DUST COLLECTION SYSTEM
S-62 – "O" PACKING DUST COLLECTION SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-303.1	N		Ringelmann 2.0 For less than 3 minutes in an hour	None	N	None
Opacity	SIP Regulation 6-303.1	Y		Ringelmann 2.0 For less than 3 minutes in an hour	None	N	None
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
SO_2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentration of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours	None	N	None
SO_2	BAAQMD Regulation 9-1-304	Y		Sulfur Content of Fuel < 0.5% by weight	None	N	None
Hours of Operation	BAAQMD 9-8-330	N		50 hours/yr for maintenance and testing	BAAQMD 9-8-530	C	Totalizing Counter
Hours of Operation	BAAQMD 9-8-330	N		50 hours/yr for maintenance and testing	BAAQMD 9-8-502.1 & 9-8-530	M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of operation	40 CFR Part 63, Subpart ZZZZ, 63.6640 (f)(1)(ii)	Y		Maintenance checks and readiness testing less than 100 hr/yr	40 CFR Part 63, Subpart ZZZZ, 63.6655(e)	P	Records
Hours of Operation	CCR, Title 17, Section 93115. 6 (b)(3)(A) 1.a.	N		20 hours/yr for maintenance and testing for S-66, S-67, S-68, S-164, S-166, S-167	CCR, Title 17, Section 93115.10 (d) (1)	C	Totalizing Counter
Hours of Operation	CCR, Title 17, Section 93115. 6 (b)(3)(A) 1.a.	N		20 hours/yr for maintenance and testing for S-66, S-67, S-68, S-164, S-166, S-167	CCR, Title 17, Section 93115.10 (f)	M	Records
Hours of Operation	BAAQMD Condition #22820, part 1	N		20 hours/yr for maintenance and testing for S-66, S-67, S-68, S-164, S-166, S-167	BAAQMD Condition #22820, part 3	C	Totalizing Counter
Hours of Operation	BAAQMD Condition #22820, part 1	N		20 hours/yr for maintenance and testing for S-66, S-67, S-68, S-164, S-166, S-167	BAAQMD Condition #22820, part 4	M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
S-65 - FIRE SYSTEM DIESEL PUMP
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL GENERATOR
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR
S-166 – CULLET WATER STANDBY GENERATOR
S-167 – COOLING WATER STANDBY GENERATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	BAAQMD Condition #22851, part 1	N		34 hours/yr for maintenance and testing for S-65	BAAQMD Condition #22851, part 3	C	Totalizing Counter
Hours of Operation	BAAQMD Condition #22851, part 1	N		34 hours/yr for maintenance and testing for S-65	BAAQMD Condition #22851, part 4	M	Records

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-K deleted

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S-69 – "M" LINE ASPHALT APPLICATOR
S-70 – "O" LINE ASPHALT APPLICATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 12672, Part 1	P/W	Visual Observation
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 12672, Part 1	P/W	Visual Observation
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
VOC	BAAQMD Regulation 8-4-302.3	Y		3.5 lbs/gallon	BAAQMD 8-4-501	P/M	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S-69 – "M" LINE ASPHALT APPLICATOR
S-70 – "O" LINE ASPHALT APPLICATOR

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
H_2S	BAAQMD Regulation 9-2-301	N		Ground Level Concentration during any 24 hour period of less than 0.06 ppm averaged over three consecutive minutes or less than 0.03 ppm averaged over any 60 consecutive minutes.	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - M
Applicable Limits and Compliance Monitoring Requirements
S-86 – "M" BATCH TRANSPORTER BIN & SILO

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	BAAQMD Permit Condition 12144, Part 6	Y		Ringelmann 0.5 For less than 3 minutes in an hour	BAAQMD Permit Condition 12144, Part 7	P/W	Visual Observation Recordkeeping
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Permit Condition 12144, Part 8	Y		0.015 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - N
Applicable Limits and Compliance Monitoring Requirements
S-87 – "O" BATCH TRANSPORTER BIN & SILO

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	BAAQMD Permit Condition 12144, Part 10	Y		Ringelmann 0.5 For less than 3 minutes in an hour	BAAQMD Permit Condition 12144, Part 11	P/W	Visual Observation Recordkeeping
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Permit Condition 12144, Part 12	Y		0.015 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - O
Applicable Limits and Compliance Monitoring Requirements
S-90 – BAD BATCH BIN

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
FP	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	SIP Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Regulation 6-1-311	N		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	SIP Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII-P deleted

Table VII - Q
Applicable Limits and Compliance Monitoring Requirements
S-155 – "M" LINE, INK JET PRINTING SYSTEM
S-156 – "O" LINE, INK JET PRINTING SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-4-302.3	Y		3.5 lbs/gallon	BAAQMD Permit Condition 14391, Part 7	P/M	Recordkeeping
POC	BAAQMD Permit Condition 14391, Part 1	Y		Annual Ink Usage < 360 gallons for both sources combined	BAAQMD Permit Condition 14391, Part 7	P/M	Recordkeeping
POC	BAAQMD Permit Condition 14391, Part 2	Y		POC content of ink less than 5% by weight	None	P/E	Recordkeeping (Results of District approved laboratory analysis for each ink)
POC	BAAQMD Permit Condition 14391, Part 4	Y		Annual POC Emissions < 0.082 TPY for both sources combined	BAAQMD Permit Condition 14391, Part 7	P/A	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - R
Applicable Limits and Compliance Monitoring Requirements
S-157 – "M" MACHINE FLEXOGRAPHIC BUILDING INSULATION PRINTERS
S-158 – "O" MACHINE FLEXOGRAPHIC PRINTERS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-20-302	N		Flexographic Ink Porous Substrate 2.5 lbs/gallon	BAAQMD Permit Condition 12378, Part 6	P/M	Recordkeeping
VOC	SIP Regulation 8-20-302	Y		2.5 lbs/gallon	BAAQMD Permit Condition 12378, Part 6	P/M	Recordkeeping
POC	BAAQMD Permit Condition 12378, Part 1	Y		Annual Ink Usage < 32,000 gallons per source	BAAQMD Permit Condition 12378, Part 6	P/M	Recordkeeping
POC	BAAQMD Permit Condition 12378, Part 2	Y		POC content of ink less than 10% by weight	None	P/E	Recordkeeping (Results of District approved laboratory analysis for each ink)
POC	BAAQMD Permit Condition 12378, Part 4	Y		Annual POC Emissions < 40.032 TPY from both sources combined	BAAQMD Permit Condition 12378, Part 6	P/A	Recordkeeping

Table's VII-S, T deleted

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - U
Applicable Limits and Compliance Monitoring Requirements
S-170 – "M" LINE RETAIL ROLL OVERWRAP TAPE GLUE SYSTEM
S-171 – "O" LINE RETAIL ROLL OVERWRAP TAPE GLUE SYSTEM

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-4-302 & BAAQMD Permit Condition 23812, Part 5	Y		Emissions < 4,533 Kg (5 tons)/yr or VOC content < 420 g/l (3.5 lb/gal) as applied, excluding water	BAAQMD 8-4-501	P/E – maintain current list of coatings and solvents used and P/A – record quantities of coatings applied; and P/M for coatings subject to 8-4-302.3	Recordkeeping
VOC	BAAQMD Permit Condition 23812, Part 1	Y		Hot melt glue used ≤ 65 tons/year/source	BAAQMD Permit Condition 23812, Part 6.b.	P/A	Recordkeeping
VOC	BAAQMD Permit Condition 23812, Parts 2 & 3	Y		POC ≤ 1,320 pounds/year/source & POC ≤ 10 pounds/day/source	BAAQMD Permit Condition 23812, Part 6	P/D/M/A	Recordkeeping

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced 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 Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions; EPA Method 9
6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15 Particulate Sampling; or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
6-1-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling U.S. EPA Method 5
SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
SIP 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 7-301	Odorous Substances	Manual of Procedures, Volume IV, ST-12, Collection of Odorous Samples
BAAQMD 7-302	Odorous Substances	Manual of Procedures, Volume IV, ST-12, Collection of Odorous Samples
BAAQMD 7-303	Odorous Substances	Manual of Procedures, Volume IV, ST-12, Collection of Odorous Samples
BAAQMD 8-2-301	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-4-302	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-methane Organic Carbon Sampling

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-4-302.3	Surface Coating, VOC Content	Manual of Procedures, Volume III; Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings; or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-19-302.2	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-19-313	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-19-320	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-20-302	Emissions of VOC	Manual of Procedures, Volume III, Methods 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings, or Manual of Procedures, Volume III, Methods 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings, or; EPA Method 24 or Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings and EPA Method 24A, Determination of Volatile Matter Content and Density of Publication Rotogravure Inks and Related Publication Rotogravure Coatings

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-31-302	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-31-310	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
BAAQMD 8-31-320	Emissions of VOC	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling; or EPA Method 25 or Determination of Total Gaseous Nonmethane Organic Emissions as Carbon, or EPA Method 25A, Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer
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 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-7-301.1	Determination of Nitrogen Oxides	Manual of Procedures, Volume IV, ST-13 A or B, Oxides of Nitrogen, Continuous or Integrated Sampling
BAAQMD 9-7-301.2	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures, Volume IV, ST-6, Carbon monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-7-302.1	Determination of Nitrogen Oxides	Manual of Procedures, Volume IV, ST-13 A or B, Oxides of Nitrogen, Continuous or Integrated Sampling
BAAQMD 9-7-302.2	Determination of Carbon Monoxide and Stack-Gas Oxygen	Manual of Procedures, Volume IV, ST-6, Carbon monoxide, Continuous Sampling, and ST-14, Oxygen, Continuous Sampling
BAAQMD 11-1-301	Daily Limitation - Lead	Manual of Procedures, Volume IV, ST-9, Lead

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD permit condition 24873, part 19 (for S-2)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 20 (for S-2)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 29 (for S-3)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 30 (for S-3)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 39 (for S-4)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 40 (for S-4)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 49 (for S-20)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD permit condition 24873, part 50 (for S-20)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 59 (for S-21)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 60 (for S-21)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 69 (for S-22)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.
BAAQMD permit condition 24873, part 70 (for S-22)	POC	Condensable portion of EPA Method 5 for Total Organic Carbon – Determination of Particulate Matter Emissions from the Wool Fiberglass Manufacturing Industry.

IX. PERMIT SHIELD

A. Non-applicable Requirements

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

Table IX A – A
Permit Shield for Non-applicable Requirements
S -1 – "M" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH
S-19 – "O" ELECTRIC FURNACE, CHANNEL, AND FOREHEARTH

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 9, Rule 12: 9-12-110.1	Nitrogen Oxides From Glass Melting Furnaces (The standard does not apply to electrically powered glass melting furnaces)
40 CFR Part 60, Subpart CC: 60.290 (c)	Standards of Performance for Glass Manufacturing Plants (The standard does not apply to all-electric melters)

Table IX A – B
Permit Shield for Non-applicable Requirements
S - 2 – "M" FORMING
S-3 – "M" CURING OVEN
S-4 – "M" COOLING
S-20 – "O" FORMING
S-21 – "O" CURING OVEN
S-22 – "O" COOLING

Citation	Title or Description (Reason not applicable)
40 CFR Part 60, Subpart PPP: 60.680 (a)	Standards of Performance for Wool Fiberglass Insulation Manufacturing Plants (The standard does not apply to rotary spin wool manufacturing lines constructed before February 7, 1984 that have not been modified or reconstructed.)

IX. Permit Shield

Table IX A – C
Permit Shield for Non-applicable Requirements
S-3 – "M" CURING OVEN
S-21 – "O" CURING OVEN

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 9, Rule 7: 9-7-110.6	Nitrogen Oxides and Carbon Monoxide From Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (The standard does not apply to ovens used for drying and heat treating.)

Table IX A – D
Permit Shield for Non-applicable Requirements
S-160 – BINDER RED DYE TANK

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 8, Rule 5: 8-5-117	Storage of Organic Liquids (The standard does not apply to tanks storing organic liquids with a true vapor pressure less than or equal to 0.5 psia)
40 CFR 60, Subpart Kb: 60.110 b (a)	Standards for Performance of Volatile Organic Liquid Storage Vessels (Including Petroleum Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 (The liquid storage capacity of tank S-160 is less than 40 m^3 and is therefore exempt from complying with the rule.)

Table's IXA-E, F deleted

IX. Permit Shield

Table IX A – G
Permit Shield for Non-applicable Requirements
S-69 – "M" LINE ASPHALT APPLICATOR
S-70 – "O" LINE ASPHALT APPLICATOR

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 8, Rule 51: 8-51-115	Adhesive and Sealant Products (The standard does not apply if the VOC content of adhesive or sealant is less than 20 grams per liter)

Table IX A – H
Permit Shield for Non-applicable Requirements
S-157 – "M" MACHINE FLEXOGRAPHIC BUILDING INSULATION PRINTERS
S-158 – "O" MACHINE FLEXOGRAPHIC PRINTERS

Citation	Title or Description (Reason not applicable)
BAAQMD Regulation 8, Rule 12: 8-12-110.5	Paper, Fabric and Film Coating (The standard does not apply to the printing line because sources that are subject to BAAQMD Regulation 8, Rule 20, Graphic Arts Printing and Coating, are exempt from BAAQMD Regulation 8, Rule 12. The ink from the printers is printed on to 35 pound natural kraft and natural kraft/foil laminated paper)

Table's IXA-I, J deleted

X. REVISION HISTORY

Title V Permit Issuance (Application # 25819): November 23, 2003

Minor Permit Revision (Application #10469): January 30, 2007

- Changes to "Table II B – Abatement Devices":
  Row entries corresponding to the following abatement devices under the "Operating Parameters" column have been updated to reflect the parametric monitoring ranges furnished by Owens Corning:
  A-7 abating S-4; A-26 abating S-22; A-40 abating S-61and S-62; A-44 abating S-56; A-48 abating S-57; A-70 abating S-70; A-99 and A-100 abating S-21; A-101 and A-102 abating S-3; A-149 abating S-26; A150 abating S-69.

- The text in the following permit conditions as it relates to the installation of parametric monitors, the establishment of a parametric monitoring range, and the submission of the appropriate monitoring ranges for inclusion in OC's Title V permit have been modified accordingly:
  Part 3 of permit condition 12144 (that governs the operation of S-57); and
  Part 7 of permit condition 15250 (that governs the operation of S-26); and
  Parts 3 and 4 of permit condition 20565 (that governs the operation of S-3 and S-21); and
  Parts 2 and 3 of permit condition 20566 (that governs the operation of S-4 and S-22).

- Changes to Section VII "Applicable Limits & Compliance Monitoring Requirements":
  The "Monitoring Frequency" columns contained in Table VII-C (relating to S-3 & S-21), Table VII-D (relating to S-4 & S-22), Table VII-E (relating to S-26), and Table VII-H (relating to S-57), have been modified per Owens Corning's proposal .

Title V Permit Renewal (Application #17948): December 27, 2012

XI. GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

Basis
The underlying authority that allows the District to impose requirements.

C5
An Organic chemical compound with five carbon atoms

C6
An Organic chemical compound with six carbon atoms

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CEQA
California Environmental Quality Act

CEM
A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

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

CO2
Carbon Dioxide

XI. Glossary

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

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

EPA
The federal Environmental Protection Agency.

Excluded
Not subject to any District Regulations.

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

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

FR
Federal Register

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grains
1/7000 of a pound

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 40 CFR Part 63.

H2S
Hydrogen Sulfide

H2SO4
Sulfuric Acid

Hg
Mercury

XI. Glossary

HHV
Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

LHV
Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

Long ton
2200 pounds

Major Facility
A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants 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

MSDS
Material Safety Data Sheet

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

NESHAPs
National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

NSPS
Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 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.)

O2
The chemical name for naturally-occurring oxygen gas.

XI. Glossary

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

Phase II Acid Rain Facility
A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

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

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

SO2
Sulfur dioxide

SO3
Sulfur trioxide

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Unit

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

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TRMP
Toxic Risk Management Plan

TRS
"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP
Total Suspended Particulate

XI. Glossary

TVP
True Vapor Pressure

VOC
Volatile Organic Compounds

wc
Water column
1 Pound per Square Inch (PSI) = 27.68" wc

Units of Measure:

bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celsius
F	=	degrees Fahrenheit
f^3	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
M	=	thousand
Mg	=	mega-gram, one thousand grams
□m	=	micro-gram, one millionth of a gram
MM	=	million
mm	=	millimeter
MMbtu	=	million btu
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
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

Symbols:

<	=	less than
>	=	greater than
≤	=	less than or equal to
≥	=	greater than or equal to