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
Facility #A0041

Facility Address:
960 Central Expressway
Santa Clara, CA 95050

Mailing Address:
960 Central Expressway
Santa Clara, CA 95050

Responsible Official	**Facility Contact**
Pete Koska, Plant Manager	Monte Schenken, Environmental Leader
(408).235-1231	**(**408).235-1358

Type of Facility:	Wool Fiberglass Manufacturing Plant	**BAAQMD Engineering Division Contact:** Krishnaswamy R. Bhagavan
Primary SIC:	3296	
Product:	Wool Glass Fiber Insulation Materials	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jack P. Broadbent _____ January 30, 2007____
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer 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 November 25, 2003 and expires on October 31, 2008. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than April 30, 2008 and no earlier than October 31, 2007. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** October 31, 2008**.** (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)

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

I. Standard Conditions

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, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be October 25, 2003 to April 30, 2004. The report shall be submitted by May 31, 2004. Subsequent reports shall be 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, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

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

I. Standard Conditions

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-33	Process/Groundwater Storage Surge Tank	Vertical, Open Top, Steel Tank	None	379,000 gallons

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-46	Asphalt Tank #1 (Wool)	Fixed Roof Tank	None	100,000 Gallons
S-50	Resin Tank #1 (East) Phenol-Formaldehyde Resin - Aqueous	Fixed Roof Tank	None	15,000 Gallons
S-51	Resin Tank #2 (West) Phenol-Formaldehyde Resin - Aqueous	Fixed Roof Tank	None	15,000 Gallons
S-56	Batch Materials Silo & Unloading System	None	None	50 ton/hr
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	NH-220-IF	220 hp @ 2100 rpm; 743 in^3
S-66	EM-3 Standby Diesel Generator	Caterpillar	D343	415 hp; 260 kW, 60 Hz @ 1800 rpm; 893 in^3
S-67	'O' Line Standby Diesel Generator	Caterpillar	3408 PCTA	449 hp; 893 in^3
S-68	'M' Line Standby Diesel Generator	Caterpillar	D343	390 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-92	Nebraska Boiler Firing Natural Gas; Standby Fuel: Diesel	Nebraska (20,000 PPH) W. Economizer	NS-B-32	De-rated: Maximum Firing Rate: 12.2 MM Btu/hr
S-149	Open Top Groundwater Storage/Surge tank	Open Top Tank	None	39,000 gallons
S-150	Open Top Groundwater Storage/Surge tank	Open Top Tank	None	39,000 gallons

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-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
S-159	Pump Seal Cooling Water Storage Tank	Vertical, Closed Top	None	375 gallons
S-160	Binder Red Dye Tank	Fixed Roof Tank	None	8230 gallons
S-161	Premix Tank, T-19	Fixed Roof Tank; Storing Resin/Urea	None	4500 gallons
S-162	Premix Tank, T-20	Fixed Roof Tank; Storing Resin/Urea	None	4500 gallons
S-163	Maintenance Paint Shop Spray Booth	Bleeker Brothers	F-10-8-7	Annual Coating Usage: 125 gal/yr; Annual Clean-Up Solvent Usage: 110 gal/yr
S-164	Boilerhouse Standby Diesel Generator	Cummins	VTA28-GR	900 hp; 1710 in^3
S-166	Cullet Water Standby Diesel Generator	Waukesha	F674DU	80 hp; 310 in^3
S-167	Cooling Water Standby Diesel Generator	Waukesha	VRD 310	162 hp; 873 in^3

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	40 CFR 63.1382 (a)(2)(i)	Firebox Temperature > 1,340 ^{o}F; Destruction Efficiency > 98 wt%	Formaldehyde Emissions for "M" RS Line < 1.2 lb/ton of glass pulled
A-6	"M" Discharge Incinerator Firing Natural Gas; Maximum Firing Rate: 3.35 MM Btu/hr	S-3	40 CFR 63.1382 (a)(2)(i)	Firebox Temperature > 1,340 ^{o}F; Destruction Efficiency > 98 wt%	Formaldehyde Emissions for "M" RS Line < 1.2 lb/ton of glass pulled
A-7	High Efficiency Air Filtration (HEAF) System – "M" Cooling	S-4	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	Regulation 6-310	Pressure Drop – 0.1" wc to 3" wc	0.15 gr/dscf
A-7	High Efficiency Air Filtration (HEAF) System – "M" Cooling	S-4	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	40 CFR 63.1382 (a)(2)(i)	Firebox Temperature > 1,340 ^{o}F; Destruction Efficiency > 98 wt%	Formaldehyde Emissions for "O" RS Line < 1.2 lb/ton of glass pulled
A-26	'O" Cooling Scrubber	S-22	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	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	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	Regulation 6-301	Pressure Drop - Not Available[1]	Ringelmann 1 < 3 min/hr
A-34	Dust Collector - 'M' Bin	S-86	Regulation 6-310	Pressure Drop - Not Available	0.15 gr/dscf
A-34	Dust Collector - 'M' Bin	S-86	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	Regulation 6-301	Pressure Drop - Not Available[2]	Ringelmann 1 < 3 min/hr
A-35	Dust Collector - 'O' Bin	S-87	Regulation 6-310	Pressure Drop - Not Available	0.15 gr/dscf
A-35	Dust Collector - 'O' Bin	S-87	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	Regulation 6-301	Pressure Drop - Not Available[3]	Ringelmann 1 < 3 min/hr
A-38	Dust Collector - BB Bin	S-90	Regulation 6-310	Pressure Drop - Not Available	0.15 gr/dscf
A-38	Dust Collector - BB Bin	S-90	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	Regulation 6-301	Pressure Drop – 8" wc to 21" wc	Ringelmann 1 < 3 min/hr

[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.
[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-40	"M" & "O" Line Dust Collection Penclones	S-61 S-62	Regulation 6-310	Pressure Drop – 8" wc to 21" wc	0.15 gr/dscf
A-40	"M" & "O" Line Dust Collection Penclones	S-61 S-62	Regulation 6-311	Pressure Drop – 8" wc to 21" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-44	Dust Collection Baghouse	S-56	Regulation 6-301	Pressure Drop – 2" wc to 6" wc	Ringelmann 1 < 3 min/hr
A-44	Dust Collection Baghouse	S-56	Regulation 6-310	Pressure Drop – 2" wc to 6" wc	0.15 gr/dscf
A-44	Dust Collection Baghouse	S-56	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	Regulation 6-301	Pressure Drop – 0" wc to 10" wc	Ringelmann 1 < 3 min/hr
A-48	Pulse Jet Baghouse	S-57	Regulation 6-310	Pressure Drop – 0" wc to 10" wc.	0.15 gr/dscf
A-48	Pulse Jet Baghouse	S-57	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	Regulation 6-301	Pressure Drop – 1.5" wc to 5.5" wc	Ringelmann 1 < 3 min/hr
A-70	Fiberbed Filter	S-70	Regulation 6-310	Pressure Drop – 1.5" wc to 5.5" wc	0.15 gr/dscf
A-70	Fiberbed Filter	S-70	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	Regulation 6-301	Pressure Drop – 1" wc to 20" wc	Ringelmann 1 < 3 min/hr
A-99	Air Action Cyclone Scrubber	S-21	Regulation 6-310	Pressure Drop – 1" wc to 20" wc	0.15 gr/dscf
A-99	Air Action Cyclone Scrubber	S-21	Regulation 6-311	Pressure Drop – 1" wc to 20" 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-100	High Performance Air Filter; OCF Design, Fabric Filter	S-21 (A-99)	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)	Regulation 6-310	Pressure Drop – 5" wc to 40" wc	0.15 gr/dscf
A-100	High Performance Air Filter; OCF Design, Fabric Filter	S-21 (A-99)	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	Regulation 6-301	Pressure Drop – 1" wc to 20" wc	Ringelmann 1 < 3 min/hr
A-101	Air Action Cyclone Scrubber	S-3	Regulation 6-310	Pressure Drop – 1" wc to 20" wc	0.15 gr/dscf
A-101	Air Action Cyclone Scrubber	S-3	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)	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)	Regulation 6-310	Pressure Drop – 5" wc to 40" wc	0.15 gr/dscf
A-102	High Performance Air Filter	S-3 (A-101)	Regulation 6-311	Pressure Drop – 5" wc to 40" wc	$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr
A-149	Sandblasting Baghouse	S-26	Regulation 6-301	Pressure Drop – 0" wc to 10" wc	Ringelmann 1 < 3 min/hr
A-149	Sandblasting Baghouse	S-26	Regulation 6-310	Pressure Drop – 0" wc to 10" wc	0.15 gr/dscf
A-149	Sandblasting Baghouse	S-26	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	Regulation 6-301	Pressure Drop – 1.5" wc to 4.5" wc	Ringelmann 1 < 3 min/hr
A-150	Fiberbed Filter	S-69	Regulation 6-310	Pressure Drop – 1.5" wc to 4.5" 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-150	Fiberbed Filter	S-69	Regulation 6-311	Pressure Drop – 1.5" wc to 4.5" 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 included at the end of this permit.

NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. 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 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/18/98)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (5/15/96)	N
SIP Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
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
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 (6/19/95)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

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

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
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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 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	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions**		
63.1(a)(1)	Applicability	Y	
63.1 (b)(1)-(b)(3)	Initial Applicability Determination	Y	
63.1 (c)(1)-(c)(2)	Applicability After Standard Established	Y	
63.1 (e)	Applicability of Permit Program	Y	
63.2	Definitions	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
63.3(a)-(c)	Units and Abbreviations	Y	
63.4 (a)(1)-(a)(3)	Prohibited Activities	Y	
63.5(b)(1)	Existing Sources	Y	
63.6(a)	Compliance with Standards and Maintenance Requirements	Y	
63.6(c)(1)	Compliance Date for Existing Sources	Y	
63.6(e)(1)	Operation & Maintenance	Y	
63.6(e)(3)	Startup, Shutdown & Malfunction Plan	Y	
63.6 (f)(1)-(f)(3)	Compliance with Non-opacity Emission Standards	Y	
63.6 (g)(1)-(g)(3)	Alternative Non-opacity Standard	Y	
63.6 (i)(1)-(i)(14)	Extension of Compliance	Y	
63.6(j)	Exemption from Compliance	Y	
63.7(a)	Performance Testing Requirements	Y	
63.7(b)	Notification	Y	
63.7(c)	Quality Assurance Program/Test Plan	Y	
63.7(d)	Performance Testing Facilities	Y	
63.7 (e)(1)-(e)(4)	Conduct of Performance Tests	Y	
63.7(f)	Alternative Test Method	Y	
63.7(g)	Data Analysis	Y	
63.7(h)	Waiver of Performance Tests	Y	
63.8 (a)(1)-(a)(2)	Monitoring Requirements	Y	
63.8(b)	Conduct of Monitoring	Y	
63.8(c)	CMS Operation/Maintenance	Y	
63.8(d)	Quality Control Program	Y	
63.8(e)	Performance Evaluation for CMS	Y	
63.8(f)	Alternative Monitoring Method	Y	
63.8(g)	Reduction of Monitoring Data	Y	
63.9(a)	Notification Requirements	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
63.9(b)	Initial Notifications	Y	
63.9(c)	Request for Compliance Extension	Y	
63.9(e)	Notification of Performance Test	Y	
63.9(g)	Additional CMS Notifications	Y	
63.9 (h)(1)-(h)(3)	Notification of Compliance Status	Y	
63.9(i)	Adjustment of Deadlines	Y	
63.9(j)	Change in Previous Information	Y	
63.10(a)	Recordkeeping/Reporting	Y	
63.10(b)	General Requirements	Y	
63.10(c)(1)	Additional CMS Recordkeeping	Y	
63.10(d)(1)	General Reporting Requirements	Y	
63.10(d)(2)	Performance Test Results	Y	
63.10(d)(4)	Progress Reports	Y	
63.10(d)(5)	Startup, Shutdown, Malfunction Reports	Y	
63.10 (e)(1)-(e)(3)	Additional CMS Reports	Y	
63.10(f)	Waiver of Recordkeeping/Reporting	Y	
63.11(a)	Control Device Requirements	Y	
63.12	State Authority and Delegations	Y	
63.13	State/Regional Addresses	Y	
63.15	Availability of Information	Y	
40 CFR Part 63, Subpart NNN	**National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing**		
63.1382 (a) (1)	PM Emission Limits – Glass-Melting Furnaces	Y	
63.1382 (b)(3)(i)	Operating Limits (Corrective Action) – Cold Top Electric Furnace – Temperature	Y	
63.1382 (b)(3)(ii)	Operating Limits (Quality Improvement Plan) – Cold Top Electric Furnace - Temperature	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
63.1382 (b)(3)(iii)	Operating Limits (Recommended Operation) – Cold Top Electric Furnace – Temperature	Y	
63.1382 (b)(5)(i)	Operating Limits (Corrective Action) – Cold Top Electric Furnace – Glass Pull Rate	Y	
63.1382 (b)(5)(ii)	Operating Limits (Quality Improvement Plan) – Cold Top Electric Furnace – Glass Pull Rate	Y	
63.1382 (b)(5)(iii)	Operating Limits (Recommended Operation) – Cold Top Electric Furnace – Glass Pull Rate	Y	
63.1383 (a)(1)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Glass-Melting Furnace – Process Modifications and Add-On Control Devices	Y	
63.1383 (a)(2)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Glass-Melting Furnace – Monitoring Devices	Y	
63.1383 (a)(3)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Glass-Melting Furnace – Corrective Actions	Y	
63.1383 (d)	Monitoring Requirements – Glass-Melting Furnace – Temperature Monitoring Once Per Shift	Y	
63.1383 (e)(1)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Cold Top Electric Furnace – Water Flow (Dust Suppression By Batch Wetting)	Y	
63.1383 (e)(2)(i)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Cold Top Electric Furnace - Operating Parameters	Y	
63.1383 (e)(2)(ii)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Cold Top Electric Furnace – Monitoring Schedule	Y	
63.1383 (e)(2)(iii)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Cold Top Electric Furnace - Recordkeeping	Y	
63.1383 (e)(2)(iv)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Cold Top Electric Furnace - Procedures	Y	
63.1383 (f)(1)	Monitoring Requirements – Existing Glass-Melting Furnace – Glass Pull Rate	Y	
63.1384 (a)(1)	Performance Test Requirements – Monitoring Systems	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
63.1384 (a)(2)	Performance Test Requirements – Parametric Monitoring Requirements	Y	
63.1384 (a)(3)	Performance Test Requirements – Glass Pull Rate	Y	
63.1384 (a)(4)	Performance Test Requirements – Existing Glass-Melting Furnace	Y	
63.1384 (a)(6)	Performance Test Requirements – Cold Top Electric Furnace	Y	
63.1384 (b)	Performance Test Requirements – Glass-Melting Furnace - Demonstration of Compliance for PM	Y	
63.1385 (a)(1)	Test Methods & Procedures – Method 1	Y	
63.1385 (a)(2)	Test Methods & Procedures – Method 2	Y	
63.1385 (a)(3)	Test Methods & Procedures – Method 3 or 3A	Y	
63.1385 (a)(4)	Test Methods & Procedures – Method 4	Y	
63.1385 (a)(5)	Test Methods & Procedures – Method 5	Y	
63.1385 (b)	Test Methods & Procedures – Duration of Performance Test	Y	
63.1386 (a)(2)	Notification, Recordkeeping, and Reporting Requirements – Existing Source Operating Before June 14, 2002	Y	
63.1386 (a)(5)	Notification, Recordkeeping, and Reporting Requirements – Special Compliance Obligations	Y	
63.1386 (a)(6)	Notification, Recordkeeping, and Reporting Requirements – Performance Test	Y	
63.1386 (a)(7)	Notification, Recordkeeping, and Reporting Requirements – Compliance Status	Y	
63.1386 (b)	Notification, Recordkeeping, and Reporting Requirements – Performance Test Report	Y	
63.1386 (c)	Notification, Recordkeeping, and Reporting Requirements – Startup, Shutdown, and Malfunction Plan & Reports	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
63.1386 (d)(1)	Recordkeeping – General	Y	
63.1386 (d)(2)(iii)	Recordkeeping – Cold Top Electric Furnace	Y	
63.1386 (d)(2)(ix)	Recordkeeping – Glass Pull Rate	Y	
63.1386 (e)	Excess Emissions Report	Y	
63.1387(a)(1)	Compliance Dates – Existing Glass Melting Furnace	Y	
63.1387(b)	Compliance Dates – Compliance Extension for Existing Sources	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: Regulation 2-1-234)	Y	
Part 6	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	Y	
Part 7	Daily Visible Emissions Monitoring & Recordkeeping (Basis: Regulation 6-301, Regulation 2-6-501)	Y	
Part 8	Source Test Once Per Permit Term: To Demonstrate Compliance With MACT NNN and District Regulation's 6-310 & 6-311 (Basis: 40 CFR 63, Subpart NNN, 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	

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 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	Schedule of Compliance (By March 1, 2004) – Corrective Action Procedures (Basis: Regulation 2-6-409.10.3)	Y	
Part 13	Schedule of Compliance (By March 1, 2004) – Implementation of QIP (Basis: Regulation 2-6-409.10.3)	Y	
Part 14	Schedule of Compliance (By March 1, 2004) – Furnace Operating Requirement (Basis: Regulation 2-6-409.10.3)	Y	
Part 15	Schedule of Compliance (By March 1, 2004) – Requirement to Install Temperature Monitors and Recorders (Basis: Regulation 2-6-409.10.3)	Y	
Part 16	Schedule of Compliance (By April 1, 2004) – Requirement to Finish Calibration and Ensure Proper Operation of Temperature Monitors (Basis: Regulation 2-6-409.10.3)	Y	
Part 17	Schedule of Compliance (By the Last Day of Every Month) – Progress Reports (Basis: Regulation 2-6-409.10.3)	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
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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 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	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions**		
63.1(a)(1)	Applicability	Y	
63.1 (b)(1)-(b)(3)	Initial Applicability Determination	Y	
63.1 (c)(1)-(c)(2)	Applicability After Standard Established	Y	
63.1 (e)	Applicability of Permit Program	Y	
63.2	Definitions	Y	
63.3(a)-(c)	Units and Abbreviations	Y	
63.4 (a)(1)-(a)(3)	Prohibited Activities	Y	
63.5(b)(1)	Existing Sources	Y	
63.6(a)	Compliance with Standards and Maintenance Requirements	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
63.6(c)(1)	Compliance Date for Existing Sources	Y	
63.6(e)(1)	Operation & Maintenance	Y	
63.6(e)(3)	Startup, Shutdown & Malfunction Plan	Y	
63.6 (f)(1)-(f)(3)	Compliance with Non-opacity Emission Standards	Y	
63.6 (g)(1)-(g)(3)	Alternative Non-opacity Standard	Y	
63.6 (i)(1)-(i)(14)	Extension of Compliance	Y	
63.6(j)	Exemption from Compliance	Y	
63.7(a)	Performance Testing Requirements	Y	
63.7(b)	Notification	Y	
63.7(c)	Quality Assurance Program/Test Plan	Y	
63.7(d)	Performance Testing Facilities	Y	
63.7 (e)(1)-(e)(4)	Conduct of Performance Tests	Y	
63.7(f)	Alternative Test Method	Y	
63.7(g)	Data Analysis	Y	
63.7(h)	Waiver of Performance Tests	Y	
63.8 (a)(1)-(a)(2)	Monitoring Requirements	Y	
63.8(b)	Conduct of Monitoring	Y	
63.8(c)	CMS Operation/Maintenance	Y	
63.8(d)	Quality Control Program	Y	
63.8(e)	Performance Evaluation for CMS	Y	
63.8(f)	Alternative Monitoring Method	Y	
63.8(g)	Reduction of Monitoring Data	Y	
63.9(a)	Notification Requirements	Y	
63.9(b)	Initial Notifications	Y	
63.9(c)	Request for Compliance Extension	Y	
63.9(e)	Notification of Performance Test	Y	
63.9(g)	Additional CMS Notifications	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
63.9 (h)(1)-(h)(3)	Notification of Compliance Status	Y	
63.9(i)	Adjustment of Deadlines	Y	
63.9(j)	Change in Previous Information	Y	
63.10(a)	Recordkeeping/Reporting	Y	
63.10(b)	General Requirements	Y	
63.10(c)(1)	Additional CMS Recordkeeping	Y	
63.10(d)(1)	General Reporting Requirements	Y	
63.10(d)(2)	Performance Test Results	Y	
63.10(d)(4)	Progress Reports	Y	
63.10(d)(5)	Startup, Shutdown, Malfunction Reports	Y	
63.10 (e)(1)-(e)(3)	Additional CMS Reports	Y	
63.10(f)	Waiver of Recordkeeping/Reporting	Y	
63.11(a)	Control Device Requirements	Y	
63.12	State Authority and Delegations	Y	
63.13	State/Regional Addresses	Y	
63.15	Availability of Information	Y	
40 CFR Part 63, Subpart NNN	**National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing**		
63.1382 (a) (2)(i)	Formaldehyde Emission Limits – Rotary Spin Manufacturing Lines	Y	
63.1382 (b)(9)	Operating Limits – Formulation of Binder – Free-Formaldehyde Content of Resin	Y	
63.1382 (b)(10)	Operating Limits – Formulation of Binder	Y	
63.1383 (a)(1)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Process Modifications and Add-On Control Devices	Y	
63.1383 (a)(2)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Monitoring Devices	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
63.1383 (a)(3)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Corrective Actions	Y	
63.1383 (j)	Monitoring Requirements – Free-Formaldehyde Content of Resin	Y	
63.1383 (k)	Monitoring Requirements – Formulation of Binder	Y	
63.1384 (a)(1)	Performance Test Requirements – Monitoring Systems	Y	
63.1384 (a)(2)	Performance Test Requirements – Parametric Monitoring Requirements	Y	
63.1384 (a)(3)	Performance Test Requirements – Glass Pull Rate	Y	
63.1384 (a)(4)	Performance Test Requirements – Existing Glass-Melting Furnace	Y	
63.1384 (a)(9)	Performance Test Requirements – Rotary Spin Manufacturing Line	Y	
63.1384 (a)(13)	Performance Test Requirements – Rotary Spin Manufacturing Line		
63.1384 (c)	Performance Test Requirements – Rotary Spin Manufacturing Line - Demonstration of Compliance for Formaldehyde	Y	
63.1385 (a)(1)	Test Methods & Procedures – Method 1	Y	
63.1385 (a)(2)	Test Methods & Procedures – Method 2	Y	
63.1385 (a)(3)	Test Methods & Procedures – Method 3 or 3A	Y	
63.1385 (a)(4)	Test Methods & Procedures – Method 4	Y	
63.1385 (a)(5)	Test Methods & Procedures – Method 5	Y	
63.1385 (a)(6)	Test Methods & Procedures – Method 316 or 318	Y	
63.1385 (a)(8)	Test Methods & Procedures – Appendix B – Method to Determine the Free-Formaldehyde Content of the Resin	Y	
63.1385 (b)	Test Methods & Procedures – Duration of Performance Test	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
63.1386 (a)(2)	Notification, Recordkeeping, and Reporting Requirements – Existing Source Operating Before June 14, 2002	Y	
63.1386 (a)(5)	Notification, Recordkeeping, and Reporting Requirements – Special Compliance Obligations	Y	
63.1386 (a)(6)	Notification, Recordkeeping, and Reporting Requirements – Performance Test	Y	
63.1386 (a)(7)	Notification, Recordkeeping, and Reporting Requirements – Compliance Status	Y	
63.1386 (b)	Notification, Recordkeeping, and Reporting Requirements – Performance Test Report	Y	
63.1386 (c)	Notification, Recordkeeping, and Reporting Requirements – Startup, Shutdown, and Malfunction Plan & Reports	Y	
63.1386 (d)(1)	Recordkeeping – General	Y	
63.1386 (d)(2)(v)	Recordkeeping – Rotary Spin Manufacturing Line - Formulation of Each Binder	Y	
63.1386 (d)(2)(vi)	Recordkeeping – Rotary Spin Manufacturing Line – Process Parameters – Process Modifications		
63.1387 (a)(1)	Compliance Dates – Existing Rotary Spin Manufacturing Lines	Y	
63.1387 (b)	Compliance Dates – Compliance Extension for Existing Sources	Y	
BAAQMD Condition # 20565	**Permit Conditions**		
Part 1	Operating Conditions - Rotary Spin Forming "M" and "O" Lines (Basis: Cumulative Increase)	Y	
Part 5	Daily Visible Emissions Monitoring Control Device - Inspection & Recordkeeping Requirements (Basis: Regulation 2-6-501, Regulation 6-301)	Y	
Part 6	Source Test Once Per Permit Term: To Demonstrate Compliance With Regulation's 6-310 and 6-311 (Basis: Regulation 2-6-503)	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 7	Emission Limit (lb/ton of glass pulled) – Formaldehyde (Basis: 40 CFR Part 63, Subpart NNN)	Y	
Part 8	Control Device Operating Parameters (Basis: Regulation 2-6-503, 40 CFR Part 63, Subpart NNN)	Y	
Part 9	Source Test Once Per Permit Term: To Demonstrate Compliance With 40 CFR Part 63, Subpart NNN (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	Limit – Daily Glass Pull Rate (Basis: Regulation 2-1-234)	Y	
Part 14	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	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
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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 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	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions**		
63.1(a)(1)	Applicability	Y	
63.1 (b)(1)-(b)(3)	Initial Applicability Determination	Y	
63.1 (c)(1)-(c)(2)	Applicability After Standard Established	Y	
63.1 (e)	Applicability of Permit Program	Y	
63.2	Definitions	Y	
63.3(a)-(c)	Units and Abbreviations	Y	
63.4 (a)(1)-(a)(3)	Prohibited Activities	Y	
63.5(b)(1)	Existing Sources	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
63.6(a)	Compliance with Standards and Maintenance Requirements	Y	
63.6(c)(1)	Compliance Date for Existing Sources	Y	
63.6(e)(1)	Operation & Maintenance	Y	
63.6(e)(3)	Startup, Shutdown & Malfunction Plan	Y	
63.6 (f)(1)-(f)(3)	Compliance with Non-opacity Emission Standards	Y	
63.6 (g)(1)-(g)(3)	Alternative Non-opacity Standard	Y	
63.6 (i)(1)-(i)(14)	Extension of Compliance	Y	
63.6(j)	Exemption from Compliance	Y	
63.7(a)	Performance Testing Requirements	Y	
63.7(b)	Notification	Y	
63.7(c)	Quality Assurance Program/Test Plan	Y	
63.7(d)	Performance Testing Facilities	Y	
63.7 (e)(1)-(e)(4)	Conduct of Performance Tests	Y	
63.7(f)	Alternative Test Method	Y	
63.7(g)	Data Analysis	Y	
63.7(h)	Waiver of Performance Tests	Y	
63.8 (a)(1)-(a)(2)	Monitoring Requirements	Y	
63.8(b)	Conduct of Monitoring	Y	
63.8(c)	CMS Operation/Maintenance	Y	
63.8(d)	Quality Control Program	Y	
63.8(e)	Performance Evaluation for CMS	Y	
63.8(f)	Alternative Monitoring Method	Y	
63.8(g)	Reduction of Monitoring Data	Y	
63.9(a)	Notification Requirements	Y	
63.9(b)	Initial Notifications	Y	
63.9(c)	Request for Compliance Extension	Y	
63.9(e)	Notification of Performance Test	Y	
63.9(g)	Additional CMS Notifications	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
63.9 (h)(1)-(h)(3)	Notification of Compliance Status	Y	
63.9(i)	Adjustment of Deadlines	Y	
63.9(j)	Change in Previous Information	Y	
63.10(a)	Recordkeeping/Reporting	Y	
63.10(b)	General Requirements	Y	
63.10(c)(1)	Additional CMS Recordkeeping	Y	
63.10(d)(1)	General Reporting Requirements	Y	
63.10(d)(2)	Performance Test Results	Y	
63.10(d)(4)	Progress Reports	Y	
63.10(d)(5)	Startup, Shutdown, Malfunction Reports	Y	
63.10 (e)(1)-(e)(3)	Additional CMS Reports	Y	
63.10(f)	Waiver of Recordkeeping/Reporting	Y	
63.11(a)	Control Device Requirements	Y	
63.12	State Authority and Delegations	Y	
63.13	State/Regional Addresses	Y	
63.15	Availability of Information	Y	
40 CFR Part 63, Subpart NNN	**National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing**		
Section 63.1382 (a)(2)(i)	Formaldehyde Emission Limits – Rotary Spin Manufacturing Lines	Y	
63.1382 (b)(6)	Operating Limits – Incinerator – Firebox Temperature	Y	
63.1382 (b)(8)(i)	Operating Limits (Corrective Action) – Process Modifications – Formaldehyde Emissions	Y	
63.1382 (b)(8)(ii)	Operating Limits (Quality Improvement Plan) – Rotary Spin Manufacturing Lines – Process Parameters	Y	
63.1382 (b)(8)(iii)	Operating Limits – Process Modifications – Process Parameters	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
63.1383 (a)(1)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Process Modifications and Add-On Control Devices	Y	
63.1383 (a)(2)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Monitoring Devices	Y	
63.1383 (a)(3)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Corrective Actions	Y	
63.1383 (g)(1)	Monitoring Requirements – Incinerator – Firebox Operating Temperature	Y	
63.1383 (g)(2)	Monitoring Requirements – Incinerator – Annual Inspection Requirements	Y	
63.1383 (m)	Monitoring Requirements – Control Device and Process Operating Parameters		
63.1384 (a)(1)	Performance Test Requirements – Monitoring Systems	Y	
63.1384 (a)(2)	Performance Test Requirements – Parametric Monitoring Requirements	Y	
63.1384 (a)(12)	Performance Test Requirements – Incinerator – Operating Temperature	Y	
63.1385 (a)(1)	Test Methods & Procedures – Method 1	Y	
63.1385 (a)(2)	Test Methods & Procedures – Method 2	Y	
63.1385 (a)(3)	Test Methods & Procedures – Method 3 or 3A	Y	
63.1385 (a)(4)	Test Methods & Procedures – Method 4	Y	
63.1385 (b)	Test Methods & Procedures – Duration of Performance Test	Y	
63.1386 (a)(2)	Notification, Recordkeeping, and Reporting Requirements – Existing Source Operating Before June 14, 2002	Y	
63.1386 (a)(5)	Notification, Recordkeeping, and Reporting Requirements – Special Compliance Obligations	Y	
63.1386	Notification, Recordkeeping, and Reporting Requirements –	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
(a)(6)	Performance Test		
63.1386 (a)(7)	Notification, Recordkeeping, and Reporting Requirements – Compliance Status	Y	
63.1386 (b)	Notification, Recordkeeping, and Reporting Requirements – Performance Test Report	Y	
63.1386 (c)	Notification, Recordkeeping, and Reporting Requirements – Startup, Shutdown, and Malfunction Plan & Reports	Y	
63.1386 (d)(1)	Recordkeeping – General	Y	
63.1386 (d)(2)(viii)	Recordkeeping – Rotary Spin Manufacturing Line – Incinerator – Operating Temperature and Results of Periodic Inspection	Y	
63.1387(b)	Compliance Dates – Compliance Extension for Existing Sources	Y	
BAAQMD Condition # 20565	**Permit Conditions**		
Part 1	Operating Conditions - Rotary Spin Curing "M" and "O" Lines (Basis: Cumulative Increase)	Y	
Part 2	Operating Conditions - Rotary Spin Curing "M" and "O" Lines (Basis: Cumulative Increase)	Y	
Part 3	Control Device Operating Parameters - Rotary Spin Curing "M" and "O" Lines (Basis: Regulation 2-6-503)	Y	
Part 4	Control Device Operating Parameters – Monitoring and Recordkeeping - Rotary Spin Curing "M" and "O" Lines (Basis: Regulation 2-6-503)	Y	
Part 5	Daily Visible Emissions Monitoring Control Device - Inspection & Recordkeeping Requirements (Basis: Regulation 2-6-501, Regulation 6-301)	Y	
Part 6	Source Test Once Per Permit Term: To Demonstrate Compliance With Regulation's 6-310 and 6-311 (Basis: Regulation 2-6-503)	Y	
Part 7	Emission Limit (lb/ton of glass pulled) – Formaldehyde (Basis: 40 CFR Part 63, Subpart NNN)	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
Part 8	Control Device Operating Parameters (Basis: Regulation 2-6-503, 40 CFR Part 63, Subpart NNN)	Y	
Part 9	Source Test Once Per Permit Term: To Demonstrate Compliance With 40 CFR Part 63, Subpart NNN (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	Limit – Daily Glass Pull Rate (Basis: Regulation 2-1-234)	Y	
Part 14	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	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
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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 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	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions**		
63.1(a)(1)	Applicability	Y	
63.1 (b)(1)-(b)(3)	Initial Applicability Determination	Y	
63.1 (c)(1)-(c)(2)	Applicability After Standard Established	Y	
63.1 (e)	Applicability of Permit Program	Y	
63.2	Definitions	Y	
63.3(a)-(c)	Units and Abbreviations	Y	
63.4 (a)(1)-(a)(3)	Prohibited Activities	Y	
63.5(b)(1)	Existing Sources	Y	
63.6(a)	Compliance with Standards and Maintenance Requirements	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
63.6(c)(1)	Compliance Date for Existing Sources	Y	
63.6(e)(1)	Operation & Maintenance	Y	
63.6(e)(3)	Startup, Shutdown & Malfunction Plan	Y	
63.6 (f)(1)-(f)(3)	Compliance with Non-opacity Emission Standards	Y	
63.6 (g)(1)-(g)(3)	Alternative Non-opacity Standard	Y	
63.6 (i)(1)-(i)(14)	Extension of Compliance	Y	
63.6(j)	Exemption from Compliance	Y	
63.7(a)	Performance Testing Requirements	Y	
63.7(b)	Notification	Y	
63.7(c)	Quality Assurance Program/Test Plan	Y	
63.7(d)	Performance Testing Facilities	Y	
63.7 (e)(1)-(e)(4)	Conduct of Performance Tests	Y	
63.7(f)	Alternative Test Method	Y	
63.7(g)	Data Analysis	Y	
63.7(h)	Waiver of Performance Tests	Y	
63.8 (a)(1)-(a)(2)	Monitoring Requirements	Y	
63.8(b)	Conduct of Monitoring	Y	
63.8(c)	CMS Operation/Maintenance	Y	
63.8(d)	Quality Control Program	Y	
63.8(e)	Performance Evaluation for CMS	Y	
63.8(f)	Alternative Monitoring Method	Y	
63.8(g)	Reduction of Monitoring Data	Y	
63.9(a)	Notification Requirements	Y	
63.9(b)	Initial Notifications	Y	
63.9(c)	Request for Compliance Extension	Y	
63.9(e)	Notification of Performance Test	Y	
63.9(g)	Additional CMS Notifications	Y	
63.9 (h)(1)-(h)(3)	Notification of Compliance Status	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
63.9(i)	Adjustment of Deadlines	Y	
63.9(j)	Change in Previous Information	Y	
63.10(a)	Recordkeeping/Reporting	Y	
63.10(b)	General Requirements	Y	
63.10(c)(1)	Additional CMS Recordkeeping	Y	
63.10(d)(1)	General Reporting Requirements	Y	
63.10(d)(2)	Performance Test Results	Y	
63.10(d)(4)	Progress Reports	Y	
63.10(d)(5)	Startup, Shutdown, Malfunction Reports	Y	
63.10 (e)(1)-(e)(3)	Additional CMS Reports	Y	
63.10(f)	Waiver of Recordkeeping/Reporting	Y	
63.11(a)	Control Device Requirements	Y	
63.12	State Authority and Delegations	Y	
63.13	State/Regional Addresses	Y	
63.15	Availability of Information	Y	
40 CFR Part 63, Subpart NNN	**National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing**		
Section 63.1382 (a) (2)(i)	Formaldehyde Emission Limits – Rotary Spin Manufacturing Lines	Y	
63.1383 (a)(1)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Process Modifications and Add-On Control Devices	Y	
63.1383 (a)(2)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Monitoring Devices	Y	
63.1383 (a)(3)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Corrective Actions	Y	
63.1383 (l)	Monitoring Requirements – LOI and Product Density of Finished Bonded Wool Fiberglass Product	Y	
63.1383 (m)	Monitoring Requirements – Control Device and Process Operating Parameters	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
63.1384 (a)(1)	Performance Test Requirements – Monitoring Systems	Y	
63.1384 (a)(2)	Performance Test Requirements – Parametric Monitoring Requirements	Y	
63.1384 (a)(8)	Performance Test Requirements – Highest LOI Building Insulation	Y	
63.1385 (a)(1)	Test Methods & Procedures – Method 1	Y	
63.1385 (a)(2)	Test Methods & Procedures – Method 2	Y	
63.1385 (a)(3)	Test Methods & Procedures – Method 3 or 3A	Y	
63.1385 (a)(4)	Test Methods & Procedures – Method 4	Y	
63.1385 (a)(7)	Test Methods & Procedures – Appendix A – Determining Finished Product LOI	Y	
63.1385 (a)(9)	Test Methods & Procedures – Appendix C – Determining Finished Product Density		
63.1385 (a)(10)	Test Methods & Procedures – Alternative Method Approved By Administrator		
63.1385 (b)	Test Methods & Procedures – Duration of Performance Test	Y	
63.1386 (a)(2)	Notification, Recordkeeping, and Reporting Requirements – Existing Source Operating Before June 14, 2002	Y	
63.1386 (a)(5)	Notification, Recordkeeping, and Reporting Requirements – Special Compliance Obligations	Y	
63.1386 (a)(6)	Notification, Recordkeeping, and Reporting Requirements – Performance Test	Y	
63.1386 (a)(7)	Notification, Recordkeeping, and Reporting Requirements – Compliance Status	Y	
63.1386 (b)	Notification, Recordkeeping, and Reporting Requirements – Performance Test Report	Y	
63.1386 (c)	Notification, Recordkeeping, and Reporting Requirements – Startup, Shutdown, and Malfunction Plan & Reports	Y	
63.1386	Recordkeeping – General	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
(d)(1)			
63.1386 (d)(2)(v)	Recordkeeping – LOI & Density of Finished Product	Y	
63.1387 (b)	Compliance Dates – Compliance Extension for Existing Sources	Y	
BAAQMD Condition # 20566	**Permit Conditions**		
Part 1	Operating Conditions - Rotary Spin Cooling "M" and "O" Lines (Basis: Cumulative Increase)	Y	
Part 2	Control Device Operating Parameters - Rotary Spin Cooling "M" and "O" Lines (Basis: Regulation 2-6-503)		
Part 3	Control Device Operating Parameters – Monitoring and Recordkeeping - Rotary Spin Cooling "M" and "O" Lines (Basis: Regulation 2-6-503)	Y	
Part 4	Daily Visible Emissions Monitoring Control Device - Inspection and Recordkeeping (Basis: Regulation 2-6-501, Regulation 6-301)	Y	
Part 5	Source Test Once Per Permit Term: To Demonstrate Compliance With Regulation's 6-310 and 6-311 (Basis: Regulation 2-6-503)	Y	
Part 6	Source Test Once Per Permit Term: To Demonstrate Compliance With 40 CFR Part 63, Subpart NNN (Basis: Regulation 2-6-503)	Y	
Part 7	Limit – Daily Glass Pull Rate (Basis: Regulation 2-1-234)	Y	
Part 8	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	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	**Particulate Matter and Visible Emissions (12/19/90)**		
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 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	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants – General Provisions**		
63.1(a)(1)	Applicability	Y	
63.1 (b)(1)-(b)(3)	Initial Applicability Determination	Y	
63.1 (c)(1)-(c)(2)	Applicability After Standard Established	Y	
63.1 (e)	Applicability of Permit Program	Y	
63.2	Definitions	Y	
63.3(a)-(c)	Units and Abbreviations	Y	
63.4 (a)(1)-(a)(3)	Prohibited Activities	Y	
63.5(b)(1)	Existing Sources	Y	
63.6(a)	Compliance with Standards and Maintenance Requirements	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
63.6(c)(1)	Compliance Date for Existing Sources	Y	
63.6(e)(1)	Operation & Maintenance	Y	
63.6(e)(3)	Startup, Shutdown & Malfunction Plan	Y	
63.6 (f)(1)-(f)(3)	Compliance with Non-opacity Emission Standards	Y	
63.6 (g)(1)-(g)(3)	Alternative Non-opacity Standard	Y	
63.6 (i)(1)-(i)(14)	Extension of Compliance	Y	
63.6(j)	Exemption from Compliance	Y	
63.7(a)	Performance Testing Requirements	Y	
63.7(b)	Notification	Y	
63.7(c)	Quality Assurance Program/Test Plan	Y	
63.7(d)	Performance Testing Facilities	Y	
63.7 (e)(1)-(e)(4)	Conduct of Performance Tests	Y	
63.7(f)	Alternative Test Method	Y	
63.7(g)	Data Analysis	Y	
63.7(h)	Waiver of Performance Tests	Y	
63.8 (a)(1)-(a)(2)	Monitoring Requirements	Y	
63.8(b)	Conduct of Monitoring	Y	
63.8(c)	CMS Operation/Maintenance	Y	
63.8(d)	Quality Control Program	Y	
63.8(e)	Performance Evaluation for CMS	Y	
63.8(f)	Alternative Monitoring Method	Y	
63.8(g)	Reduction of Monitoring Data	Y	
63.9(a)	Notification Requirements	Y	
63.9(b)	Initial Notifications	Y	
63.9(c)	Request for Compliance Extension	Y	
63.9(e)	Notification of Performance Test	Y	
63.9(g)	Additional CMS Notifications	Y	
63.9 (h)(1)-(h)(3)	Notification of Compliance Status	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
63.9(i)	Adjustment of Deadlines	Y	
63.9(j)	Change in Previous Information	Y	
63.10(a)	Recordkeeping/Reporting	Y	
63.10(b)	General Requirements	Y	
63.10(c)(1)	Additional CMS Recordkeeping	Y	
63.10(d)(1)	General Reporting Requirements	Y	
63.10(d)(2)	Performance Test Results	Y	
63.10(d)(4)	Progress Reports	Y	
63.10(d)(5)	Startup, Shutdown, Malfunction Reports	Y	
63.10 (e)(1)-(e)(3)	Additional CMS Reports	Y	
63.10(f)	Waiver of Recordkeeping/Reporting	Y	
63.11(a)	Control Device Requirements	Y	
63.12	State Authority and Delegations	Y	
63.13	State/Regional Addresses	Y	
63.15	Availability of Information	Y	
40 CFR Part 63, Subpart NNN	**National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing**		
Section 63.1382 (a) (2)(i)	Formaldehyde Emission Limits – Rotary Spin Manufacturing Lines	Y	
63.1383 (a)(1)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Process Modifications and Add-On Control Devices	Y	
63.1383 (a)(2)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Monitoring Devices	Y	
63.1383 (a)(3)	Monitoring Requirements (Operations, Maintenance, & Monitoring Plan) – Rotary Spin Manufacturing Line – Corrective Actions	Y	
63.1383 (l)	Monitoring Requirements – LOI and Product Density of Finished Bonded Wool Fiberglass Product	Y	
63.1383 (m)	Monitoring Requirements – Control Device and Process Operating Parameters	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
63.1384 (a)(1)	Performance Test Requirements – Monitoring Systems	Y	
63.1384 (a)(2)	Performance Test Requirements – Parametric Monitoring Requirements	Y	
63.1384 (a)(8)	Performance Test Requirements – Highest LOI Building Insulation	Y	
63.1385 (a)(1)	Test Methods & Procedures – Method 1	Y	
63.1385 (a)(2)	Test Methods & Procedures – Method 2	Y	
63.1385 (a)(3)	Test Methods & Procedures – Method 3 or 3A	Y	
63.1385 (a)(4)	Test Methods & Procedures – Method 4	Y	
63.1385 (a)(7)	Test Methods & Procedures – Appendix A – Determining Finished Product LOI	Y	
63.1385 (a)(9)	Test Methods & Procedures – Appendix C – Determining Finished Product Density		
63.1385 (a)(10)	Test Methods & Procedures – Alternative Method Approved By Administrator		
63.1385 (b)	Test Methods & Procedures – Duration of Performance Test	Y	
63.1386 (a)(2)	Notification, Recordkeeping, and Reporting Requirements – Existing Source Operating Before June 14, 2002	Y	
63.1386 (a)(5)	Notification, Recordkeeping, and Reporting Requirements – Special Compliance Obligations	Y	
63.1386 (a)(6)	Notification, Recordkeeping, and Reporting Requirements – Performance Test	Y	
63.1386 (a)(7)	Notification, Recordkeeping, and Reporting Requirements – Compliance Status	Y	
63.1386 (b)	Notification, Recordkeeping, and Reporting Requirements – Performance Test Report	Y	
63.1386 (c)	Notification, Recordkeeping, and Reporting Requirements – Startup, Shutdown, and Malfunction Plan & Reports	Y	
63.1386	Recordkeeping – General	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
(d)(1)			
63.1386 (d)(2)(v)	Recordkeeping – LOI & Density of Finished Product	Y	
63.1386 (d)(2)(vii)	Recordkeeping – Water Scrubbing Control Device – Operating Parameters	Y	
63.1387(b)	Compliance Dates – Compliance Extension for Existing Sources	Y	
BAAQMD Condition # 20566	**Permit Conditions**		
Part 1	Operating Conditions - Rotary Spin Cooling "M" and "O" Lines (Basis: Cumulative Increase)	Y	
Part 2	Control Device Operating Parameters - Rotary Spin Cooling "M" and "O" Lines (Basis: Regulation 2-6-503)		
Part 3	Control Device Operating Parameters – Monitoring and Recordkeeping - Rotary Spin Cooling "M" and "O" Lines (Basis: Regulation 2-6-503)	Y	
Part 4	Visible Emissions - Ringelmann 1.0 Control Device - Inspection and Recordkeeping (Basis: Regulation 2-6-501, Regulation 6-301)	Y	
Part 5	Source Test Once Per Permit Term: To Demonstrate Compliance With Regulation's 6-310 and 6-311 (Basis: Regulation 2-6-503)	Y	
Part 6	Source Test Once Per Permit Term: To Demonstrate Compliance With 40 CFR Part 63, Subpart NNN (Basis: Regulation 2-6-503)	Y	
Part 7	Limit – Daily Glass Pull Rate (Basis: Regulation 2-1-234)	Y	
Part 8	Records - Daily Glass Pull Rate (Basis: Regulation 2-6-501)	Y	

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	**Particulate Matter and Visible Emissions (12/19/90)**		
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 6	Operating Requirements & Ringelmann 1.0 Limit (Basis: Cumulative Increase)	Y	
Part 7	Inspection, Monitoring & Recordkeeping (Basis: Regulation 2-6-409.2, Regulation 2-6-503, Cumulative Increase)	Y	

Table IV – G
Source-specific Applicable Requirements
S-33 – PROCESS/GROUNDWATER STORAGE SURGE TANK
S-149 – OPEN TOP GROUNDWATER STORAGE/SURGE TANK
S-150 - OPEN TOP GROUNDWATER STORAGE/SURGE TANK
S-159 – PUMP SEAL COOLING WATER STORAGE TANK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #14277	**Permit Conditions**		
Part 1	Limit on vapor pressure of liquid materials stored in tanks (Basis: Cumulative Increase)	Y	
Part 2	Limitation on materials stored in / throughput to tanks (Basis: Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S-46 – ASPHALT TANK # 1 (WOOL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	**General Provisions and Definitions (05/02/01)**		
1-301	Public Nuisance	N	
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 7	**Odorous Substances (3/17/82)**		
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	
District Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/06/99)**		
9-2-301	Limitations on Hydrogen Sulfide	N	
BAAQMD Condition #12672	**Permit Conditions**		
Part 1	Limit on vapor pressure of liquid materials stored in tanks (Basis: Cumulative Increase)	Y	
Part 2	Record of material throughput (Basis: Cumulative Increase)	Y	
Part 3	Ringelmann 1.0 Limit & Visible Emissions Monitoring (Basis: Regulation 6-301)	Y	

IV. Source Specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S-50 – RESIN TANK # 1 (EAST) PHENOL FORMALDEHYDE RESIN – AQUEOUS
S-51 – RESIN TANK # 2 (WEST) PHENOL FORMALDEHYDE RESIN - AQUEOUS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 7	**Odorous Substances (3/17/82)**		
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	

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	**Particulate Matter and Visible Emissions (12/19/90)**		
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	**Particulate Matter and Visible Emissions (12/19/90)**		
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	

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	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	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-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	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann No. 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 (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
BAAQMD Condition #19142	**Permit Conditions**		
Part 1	Limitation on Hours of Operation (Basis: Regulation 9-8-330)	N	
Part 3	Fuel Sulfur Certification (Regulation 2-6-409.2)	Y	
Part 4	Records of Operation (Basis: Regulation 2-6-409.2, 9-8-530)	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
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
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	
District Regulation 8, Rule 2	**Miscellaneous Operations (06/15/94)**		
8-2-301	Limit on Organic Emissions from Miscellaneous Operations	Y	
District Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide**		
9-2-301	Limitations on Hydrogen Sulfide	N	
BAAQMD Condition #12672	**Permit Conditions**		
Part 4	Ringelmann 1.0 Limit & Visible Emissions Monitoring (Basis: Regulation 6-301)	Y	
Part 5	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	**Particulate Matter and Visible Emissions (12/19/90)**		
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	**Particulate Matter and Visible Emissions (12/19/90)**		
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	

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	**Particulate Matter and Visible Emissions (12/19/90)**		
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
Source-specific Applicable Requirements
S-92 – NEBRASKA BOILER FIRING NATURAL GAS; STANDBY FUEL: DIESEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-301	Ringelmann No.1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emissions Limitation	Y	
9-1-304	Fuel Burning – Liquid Fuels	Y	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (9/16/92)**		
9-7-301	Emission Limits – Gaseous Fuels	Y	
9-7-301.1	Performance Standard, NOx	Y	
9-7-301.2	Performance Standard, CO	Y	
9-7-302	Emission Limits – Non-Gaseous Fuels	Y	
9-7-302.1	Performance Standard, NOx	Y	
9-7-302.2	Performance Standard, CO	Y	
9-7-303	Emission Limits – Gaseous & Non-Gaseous Fuels	Y	
9-7-305	Natural Gas Curtailment – Non-Gaseous Fuels	Y	
9-7-305.1	Performance Standard, NOx	Y	
9-7-305.2	Performance Standard, CO	Y	
9-7-306	Equipment Testing – Non-Gaseous Fuel	Y	
9-7-306.1	Performance Standard, NOx	Y	
9-7-306.2	Performance Standard, CO	Y	
9-7-306.3	Equipment Testing: Non-Gaseous Fuel	Y	
9-7-501	Combinations of Different Fuels	Y	
9-7-502	Modified Maximum Heat Input	Y	

IV. Source Specific Applicable Requirements

Table IV - R
Source-specific Applicable Requirements
S-92 – NEBRASKA BOILER FIRING NATURAL GAS; STANDBY FUEL: DIESEL

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-503	Records	Y	
9-7-503.1	Records of Annual Tune-ups	Y	
9-7-503.2	Records from natural gas supplier during natural gas curtailment	Y	
9-7-503.3	Records documenting the hours of equipment testing	Y	
9-7-503.4	Source Test Records and Record Retention	Y	
BAAQMD Condition # 10924	**Permit Conditions**		
Part 1	Limit on sulfur content in fuel (Basis: Cumulative Increase)	Y	
Part 2	Limit on maximum hourly fuel usage (Basis: Cumulative Increase)	Y	
Part 3	Fuel oil sulfur content certification (Basis: Regulation 2-6-409.2)	Y	
Part 4	Records of fuel usage and fuel oil vendor certifications (Basis: Regulation 2-6-409.2)	Y	
Part 5	NOx and CO Emission Limit – Non-Gaseous Fuel Usage (During times when there is no curtailment in natural gas supply) (Basis: Regulation 2-6-503)	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
BAAQMD Regulation 8 Rule 4	**General Solvent and Surface Coating Operations (10/16/02)**	N	
8-4-302	Solvents and Surface Coating Requirements	N	
8-4-302.3	VOC content of coating is less than 3.5 lb/gal	N	
8-4-312	Solvent Evaporation Loss Minimization	N	
8-4-501	Recordkeeping Requirements	N	
SIP Regulation 8 Rule 4	**General Solvent and Surface Coating Operations (12/20/95)**	Y	
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-501	Recordkeeping Requirements	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 (Basis: Cumulative Increase, TRMP)	Y	
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	**Graphic Arts Printing and Coating Operations (03/03/99)**	N	
8-20-302	Flexographic, Gravure, Letterpress, and Lithographic Requirements	Y	
8-20-320	Solvent Evaporation 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 IV - V
Source-specific Applicable Requirements
S-161 – PREMIX TANK, T-19
S-162 – PREMIX TANK, T-20

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #13835	**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	

IV. Source Specific Applicable Requirements

Table IV - W
Source-specific Applicable Requirements
S-163 – MAINTENANCE PAINT SHOP SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	**Surface Preparation and Coating of Miscellaneous Metal Parts and Products (10/16/02)**		
8-19-302.2	VOC Content Limit: Air-Dried Coating	N	
8-19-313	Spray Application Equipment Limitations	N	
8-19-320	Solvent Evaporative Loss Minimization	N	
8-19-501	Records	N	
SIP Regulation 8, Rule 19	**Surface Preparation and Coating of Miscellaneous Metal Parts and Products (12/20/95)**		
8-19-302.2	VOC Content Limit: Air-Dried Coating	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-501	Records	Y	
BAAQMD Regulation 8, Rule 31	**Surface Preparation and Coating of Plastic Parts and Products (10/16/02)**		
8-31-302	VOC Content Limit	N	
8-31-310	Spray Application Equipment Limitations	N	
8-31-320	Solvent Evaporative Loss Minimization	N	
8-31-501	Records	N	
SIP Regulation 8, Rule 31	**Surface Preparation and Coating of Plastic Parts and Products (12/20/95)**		
8-31-302	VOC Content Limit	Y	
8-31-310	Spray Application Equipment Limitations	Y	
8-31-320	Solvent Evaporative Loss Minimization	Y	
8-31-501	Records	Y	
BAAQMD Condition #15250	**Permit Conditions**		
Part 1	Material usage limitation (Basis: Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

Table IV - W
Source-specific Applicable Requirements
S-163 – MAINTENANCE PAINT SHOP SPRAY BOOTH

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Limitation on annual precursor organic compound emissions (Basis: Cumulative Increase)	Y	
Part 3	Prohibition on the use and emissions thereof, of non precursor organic compounds (Basis: Cumulative Increase)	Y	
Part 4	Recordkeeping requirements for Coatings (Basis: Cumulative Increase)	Y	
Part 5	Recordkeeping requirements for Clean up solvents (Basis: Cumulative Increase)	Y	

IV. Source Specific Applicable Requirements

Table IV - X
Source-specific Applicable Requirements
S-164 – BOILERHOUSE STANDBY DIESEL GENERATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (12/19/90)**		
6-303	Ringelmann No.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 (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
BAAQMD Condition #19142	**Permit Conditions**		
Part 2	Limitation on Hours of Operation (Basis: Regulation 9-8-330)	N	
Part 3	Fuel Sulfur Certification (Basis: Regulation 2-6-409.2)	Y	
Part 4	Recordkeeping (Basis: Regulation 2-6-409.2, 9-8-530)	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.

This facility has one remedial measure for Sources 1 and 19, the "M" and "O" Line Cold Top Electric furnaces, respectively. The measure has also been incorporated into BAAQMD Condition 16834.

Compliance with 40 CFR 63, Subpart NNN, Sections 63.1382(b)(3) and 63.1383(d) at S-1 "M" Electric Furnace, Channel, and Forehearth and S-19 "O" Electric Furnace, Channel, and Forehearth.

Compliance Milestones
By March 1, 2004:

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.

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.

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.

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).

By April 1, 2004

The owner/operator shall ensure that the temperature monitors are calibrated and operating at S-1 and S-19.

V. Schedule of Compliance

Reporting Requirements

Progress reports shall be submitted by the owner/operator on the last day of every month to the Director of Enforcement until the above actions are completed. The progress reports shall contain the dates by which each item in the plan was achieved and an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

VI. PERMIT CONDITIONS

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

Condition # 10924

For S - 92, NEBRASKA BOILER FIRING NATURAL GAS; STANDBY FUEL: DIESEL:

1. The owner/operator shall ensure that the sulfur content of any fuel oil fired at S-92 does not exceed 0.2 percent, by weight
   (Basis: Cumulative Increase)
2. The owner/operator shall ensure that the maximum hourly fuel usage at S-92 does not exceed 12.2 MM Btu.
   (Basis: Cumulative Increase)
3. To demonstrate compliance with part 1 of this permit condition and Regulation 9-1-304, the owner/operator shall request the fuel oil vendor to certify the sulfur content of the fuel oil supplied.
   (Basis: Regulation 2-6-409.2)
4. To determine compliance with parts 1 and 2 of this condition, the owner/operator shall maintain records of fuel usage and fuel oil vendor certifications. The owner/operator shall summarize the fuel oil usage records for each consecutive 12-month period in a District approved logbook at the end of each month. The owner/operator shall retain the fuel oil usage and fuel oil vendor certification records on-site for five years from the date of the last entry and shall make them available for inspection by District staff upon request.
   (Basis: Regulation 2-6-409.2)
5. The owner/operator shall not combust non-gaseous fuels when there is no curtailment in natural gas supply or when the owner/operator is not conducting equipment testing unless the owner/operator submits a source test that demonstrates compliance with the NOx and CO emission limits in Section 9-7-302 to the District's Source Test Section and receives approval of the source test from the District's Source Test Section.
   (Basis: Regulation 2-6-503)

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

VI. Permit Conditions

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 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

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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 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:

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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 information provided in the MSDS.
   (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)

Condition # 12672

For S - 46, ASPHALT TANK #1 (WOOL); S-69, "M" LINE ASPHALT APPLICATOR; S-70, "O" LINE ASPHALT APPLICATOR:

1. The owner/operator shall ensure that the true vapor pressure of the material stored in S-46 does not exceed 0.5 psia.
   (Basis: Cumulative Increase)
2. The owner/operator shall record the monthly throughput of Base Asphalt (Petroleum Asphalt) at S-46 in a District approved log on a monthly basis, in pound units. The owner/operator shall maintain the log on site, and shall retain the log for at least five years following the date of last entry, and shall make the logs available to the District staff on request.
   (Basis: Cumulative Increase)
3. To ensure that source S-46 complies with the Regulation 6-301 limit, the owner/operator shall monitor visible emissions once per month.
   (Basis: Regulation 6-301)
4. 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

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and S-70 comply with the Ringelmann 1.0 limit, the owner/operator shall monitor visible emissions once per week.
(Basis: Regulation 6-301)

5. 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)

Condition # 13835

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For S – 161, PREMIX TANK, T-19; S-162, PREMIX TANK, T-20:

1. The owner/operator shall ensure that the true vapor pressure of the materials stored in S-161 and S-162 does not exceed 0.5 psia.
   (Basis: Cumulative Increase)
2. The owner/operator shall ensure that the total tonnage of both Durite IB-165B and Urea Solution 23% Nitrogen together throughput to S-161 and S-162 does not exceed 12,812 tons from both sources combined in any rolling 12 consecutive month period.
   (Basis: Cumulative Increase)
3. The owner/operator shall ensure that the monthly combined throughput of Durite IB-165B and Urea Solution 23% to S-161 and S-162 is recorded on a monthly basis in a District approved log, in ton units. The owner/operator shall maintain this 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)

Condition # 14277

For S – 33, PROCESS/GROUNDWATER STORAGE SURGE TANK; S-149, OPEN TOP GROUNDWATER STORAGE/SURGE TANK; S-150, OPEN TOP GROUNDWATER STORAGE/SURGE TANK; S-159, PUMP SEAL COOLING WATER STORAGE TANK:

1. The owner/operator shall ensure that the true vapor pressure of the liquid material stored in S-33, S-149, S-150, and S-159 does not exceed 0.5 psia (25.8 mm Hg) as determined by a laboratory method approved by the District.
   (Basis: Cumulative Increase)
2. The owner/operator shall ensure that only rain water, and/or process water from the Owens Corning facility which may contain organics and/or ammonia shall be stored at or throughput to S-33, S-149, S-150, and S-159.
   (Basis: Cumulative Increase)

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)

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3. The owner/operator shall ensure that none of the clean up materials used at S-155 and S-156 contain0s 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 2-1-316 in Regulation 2, Rule 1.
   (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 – 163, MAINTENANCE PAINT SHOP SPRAY BOOTH; S-26, SANDBLASTING ROOM:

S-163, Maintenance Paint Shop Spray Booth

1. The owner/operator shall ensure that the total combined usage of all coatings and coating components at S-163 does not exceed 125 gallons (@ 2.8 pounds or less of POC per gallon) in any rolling 12 consecutive month period and the total net usage of clean up solvent at S-163 does not exceed 110 gallons (@ 6.7 pounds or less of POC per gallon) in any rolling 12 consecutive month period; or the total combined usage of all coatings and coating component and net usage of clean up solvent at S-163 does not exceed an amount which will result in emissions equal to 0.544 ton (1087.0 pounds) in any rolling 12 consecutive month period, whichever results in the larger organic solvent- borne material usage limit.
   (Basis: Cumulative Increase)

   If the owner/operator chooses to use more than 125 gallons of coating and coating components during any rolling 12 consecutive month period and/or more than 110 gallons (net) of clean up solvent during any rolling 12 consecutive month period, then the owner/operator may do so, so long as the owner/operator does each of the following;

   (I.) Maintains District approved coating usage records which include District approved emission calculations for each month and each rolling 12 consecutive month period, for S-163;

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(II.) Ensures that coating usage emissions and net clean up solvent emissions from S-163 do not exceed 0.544 ton (1087.0 pounds) in any rolling 12 consecutive month period;

(III.) Ensures the emission rate of each toxic air contaminant from S-163, during every rolling 12 consecutive month period, is less than or equal to each toxic air contaminants respective trigger level as set forth in Table 2-1-316 of Regulation 2, Rule 1.
(Basis: Cumulative Increase)

2. The owner/operator shall ensure that the precursor organic compound emissions at S-163 do not exceed 0.544 ton (1087.0 pounds) in any rolling 12 consecutive month period.
(Basis: Cumulative Increase)

3. The owner/operator shall ensure that there are no non-precursor organic compound emissions at/from S-163.
(Basis: Cumulative Increase)

4. The owner/operator shall record in a District approved log the monthly usage of each coating at S_163, identified by the name of the coating or other District approved identifier. In addition, the owner/operator shall record on a daily basis a clear and explicit description of substrates coated at S-163. . The owner/operator shall sum and record the monthly coating usages at S-163 in a District approved log. The owner/operator shall retain the District approved logs on site for at least five years from the date of last entry and shall make them available to the District staff on request.
(Basis: Cumulative Increase)

5. The owner/operator shall record on a monthly basis in a District approved log the net usage of each organic solvent borne clean up material used at S-163 in gallon units. The owner/operator shall retain the District approved logs for at least five years from the date of last entry. The owner/operator shall keep the District approved logs on site, and shall make the logs available to the District staff on request.
(Basis: Cumulative Increase)

S-26, Sandblasting Room

6. 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 6-301, the owner/operator shall monitor visible emissions once per month.
(Basis: Regulation 6-301, Cumulative Increase)

7. 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

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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)
6. The owner/operator shall maintain daily records of the amount of glass pulled at S-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 6-301, the owner/operator shall monitor visible emissions once per day.
(Basis: Regulation 6-301, Regulation 2-6-501).

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8. 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 40 CFR Part 63, Subpart NNN, Section 63.1382(a)(1) and District Regulations 6-310 and 6-311. The results of these tests shall be kept on site for at least five years from the date of the test and 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: 40 CFR Part 63, Subpart NNN, 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-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. By March 1, 2004, the owner/operator shall develop procedures to initiate corrective action in a timely manner when the average temperature for any 3-hour block

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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 2-6-409.10.3)

13. By March 1, 2004, 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 2-6-409.10.3)

14. By March 1, 2004, 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 2-6-409.10.3)

15. By March 1, 2004, 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 2-6-409.10.3)

16. By April 1, 2004, the owner/operator shall ensure that the temperature monitors are calibrated and operating at S-1 and S-19.
(Basis: Regulation 2-6-409.10.3)

17. Progress reports shall be submitted by the owner/operator on the last day of every month to the Director of Enforcement until the above actions are completed. The progress reports shall contain the dates by which each item in the plan was achieved and an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
(Basis: Regulation 2-6-409.10.3)

Condition # 19142

For 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 DIESEL GENERATOR; S-167, COOLING WATER STANDBY DIESEL GENERATOR

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1. Hours of Operation: The owner/operator shall ensure that the emergency standby engines (S-65, S-66, S-67, S-68, S-166, S-167) are only operated to mitigate emergency conditions or for reliability-related activities. Operation while for reliability-related activities is unlimited for S-65, S-166, and S-167. The owner/operator shall ensure that the operation for reliability-related activities does not exceed 100 hours in any calendar year for S-66, S-67, and S-68. Operation while mitigating emergency conditions is unlimited for S-65, S-66, S-67, S-68, S-166, and S-167.
   (Basis: Reg. 9-8-330)
2. Hours of Operation: The owner/operator shall ensure that the emergency standby engine S-164 is only operated to mitigate emergency conditions or for reliability-related activities. The owner/operator shall ensure that the operation of S-164 for reliability-related activities does not exceed 100 hours in any calendar year. Operation while mitigating emergency conditions is unlimited for S-164.
   (Basis: Reg. 9-8-330)
3. To demonstrate compliance with Regulation 9-1-304, the owner/operator shall request the fuel oil vendor to certify the sulfur content of the fuel supplied.
   (Basis: Regulation 2-6-409.2)
4. Records: The owner/operator shall maintain on a monthly basis the following records in District approved log for at least 5 years from the date of the last entry and shall make the logs available for District inspection upon request:
   (Basis: Regulation 2-6-409.2, Regulation 9-8-530)

   a. Hours of operation (total).

   b. Hours of operation (emergency).

   c. For each emergency, the nature of the emergency condition.

   d. Fuel oil certifications.

Condition # 20565

S-2 - "M" Line Rotary Spin Forming Line; S-3 - "M" Line Curing Oven;
S-20 - "O" Line Rotary Spin Forming Line; S-21 - "O" Line Curing Oven

1. The owner/operator shall ensure that the organic compound emissions from the rotary spin manufacturing “M” line are abated by the “M” Charge Incinerator (A-5) and “M” Discharge Incinerator (A-6) during all times that the “M” Forming (S-2) and “M” Curing Oven (S-3) operate. The owner/operator shall ensure that the organic compound emissions from the rotary spin manufacturing “O” line are abated by the “O” Oven Incinerator (A-25) during all times that the “O” Forming (S-20) and “O” Curing Oven (S-21) operate.
   (Basis: Cumulative Increase)

2. The owner/operator shall ensure emissions from the “M” Line Smoke Stripper at source S-3 is abated by an Air Action Cyclone Scrubber (A-101) in series with a High

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Performance Air Filter (A-102). The owner/operator shall ensure emissions from the "O" Line Smoke Stripper at source S-21 is abated by an Air Action Cyclone Scrubber (A-99) in series with a High Performance Air Filter
(A-100).
(Basis: Cumulative Increase)

3. The owner/operator shall ensure that the pressure drop measured by a a District-approved manometer or other District-approved device that measures the pressure drop across A-99 ranges between 1" wc to 20" wc, A-100 ranges between 5" wc to 40" wc, A-101 ranges between 1" wc to 20" wc, and A-102 ranges between 5" wc to 40" wc.
(Basis: Regulation 2-6-503)
4. The owner/operator shall monitor and record the pressure drop across A-99, A-100, A-101 and A-102 once per shift.
(Basis: Regulation 2-6-503)
5. To ensure that sources S-2, S-3, S-20 and S-21 comply with Regulation 6-301, the owner/operator shall monitor visible emissions once per day. The owner/operator shall inspect and record the condition of the "M" Charge Incinerator, "M" Discharge Incinerator, and "O" Oven Incinerator on an annual basis. The owner/operator shall inspect and record the condition of the Air Action Cyclone Scrubbers and High Performance Air Filters for defects once per month. 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 annual "M" Charge Incinerator, "M" Discharge Incinerator, and "O" Oven Incinerator 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. The owner/operator shall maintain records of the monthly Air Action Cyclone Scrubbers and High Performance Air Filters 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)
6. The owner/operator of S-2, S-3, S-20 and S-21 shall conduct a District-approved source test once every five years to demonstrate compliance with District Regulations 6-310 and 6-311. The results of these tests shall be kept on site for at least five years from the date of the test and 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)

7. The owner/operator shall ensure that the formaldehyde emission from each individual "M" and "O" rotary spin manufacturing line is below 1.2 pounds of formaldehyde per ton

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of glass pulled.
(Basis: 40 CFR Part 63, Subpart NNN)

8. 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 part 7 of this permit condition can be met with A-5 and A-6 operating at a lower temperature.
   b. Maintain a minimum destruction temperature of 1340^{o}F unless the owner/operator can demonstrate to the satisfaction of the APCO that part 7 of this permit condition can be met with A-25 operating at a lower temperature.
   c. 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: 2-6-503, 40 CFR Part 63, Subpart NNN)

9. In order to demonstrate compliance with the formaldehyde emission limit of 1.2 pounds per ton of glass pulled per rotary spin manufacturing line in 40 CFR Part 63, Subpart NNN, the owner/operator of sources S-2, S-3, S-20 and S-21 shall perform a District approved source test on the "M" Charge Incinerator (A-5), "M" Discharge Incinerator (A-6) and "O" Oven Incinerator (A-25) once every five years, in accordance with the District's Manual of Procedures. 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 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. ALLOWABLE TEMPERATURE EXCURSION(S)
    The temperature limit in part 8.a and 8.b 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
    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

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

14. The owner/operator shall maintain daily records of the amount of glass pulled at S-2, S-3, S-20 and S-21. 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)

Condition # 20566
S-4 - "M" Cooling; S-22 - "O" Cooling

1. The owner/operator shall ensure that the “M” Cooling Line (S-4) emissions are abated by the High Efficiency Air Filter (A-7) at all times that S-4 operates. The owner/operator shall ensure that the “O” Cooling Line (S-22) emissions are abated by the “O” Cooling Scrubber (A-26) at all times that S-22 operates.
   (Basis: Cumulative Increase)

2. The owner/operator shall ensure that the pressure drop measured by a a District-

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approved manometer or other District-approved device that measures the pressure drop across A-7 ranges between 0.1" wc to 3" wc, and A-26 ranges between 1" wc to 10" wc. In addition, 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.
(Basis: Regulation 2-6-503)

3. The owner/operator shall monitor and record the pressure drop across A-7 and A-26 once per day. The owner/operator shall monitor and record the water flow rate through A-26 once per day. (Basis: Regulation 2-6-503)

4. To ensure that sources S-4 and S-22 comply with Regulation 6-301, the owner/operator shall monitor visible emissions once per day. The owner/operator shall inspect and record the condition of the High Efficiency Air Filter and Schmeig Scrubber for plugging and/or leaks and/or defects once per month. 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 monthly High Efficiency Air Filter and Schmeig Scrubber 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)

5. The owner/operator of S-4 and S-22 shall conduct a District-approved source test once every five years to demonstrate compliance with Regulations 6-310 and 6-311. The results of these tests shall be kept on site for at least five years from the date of the test and 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)

6. In order to demonstrate compliance with the formaldehyde emission limit of 1.2 pounds per ton of glass pulled per rotary spin manufacturing line in 40 CFR Part 63, Subpart NNN, the owner/operator shall perform a District approved source test on S-4 and S-22 once every five years, in accordance with the District's Manual of Procedures. 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 retained on-site by the owner/operator for a minimum of 5 years from the date of the document
(Basis: Regulation 2-6-503)

7. 7. The owner/operator shall ensure that the total bare molten glass pulled at S-4 and

VI. Permit Conditions

S-22 does not exceed 6 tons per hour per source and 144 tons per day per source. (Basis: 2-1-234)

8. The owner/operator shall maintain daily records of the amount of glass pulled at S-4 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: 2-6-501)

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.

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
Opacity	BAAQMD 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
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
FP	BAAQMD 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 6-311	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

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
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
PM	40 CFR 63.1382 (a)(1)	Y		0.5 lb/ton of glass pulled	BAAQMD Permit Condition 16834, Part 8	P Once Per Permit Term	Source Test
Batch Wetting Process – Water Flow Rate Limit	BAAQMD Permit Condition 16834, Part 11	Y		Water flow rate ≥ 0.3 GPM	40 CFR 63.1383 (e)(1) 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	40 CFR 63.1382 (b)(3)	Y		Temperature measured at a location 46 to 61 centimeters (18 to 24 inches) above the molten glass surface ≤ 120 ºC (250 ºF)	40 CFR 63.1383 (d)	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 S-19 ≤ 13,010.4 lbs	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 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 20565, Part 5	P/D	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 20565, Part 5	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 20565, Part 5	P/D	Visual Observation Recordkeeping
Glass Production	BAAQMD Permit Condition 20565, Part 13	Y		6 tons/hour 144 tons/day	BAAQMD Permit Condition 20565, Part 14	P/D	Recordkeeping
FP	BAAQMD Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 20565, Part 6	P Once Per Permit Term	Source Test
FP	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 20565, Part 6	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)	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
Formaldehyde	40 CFR 63.1382 (b)(9)	Y		Free-Formaldehyde content of the resin in the binder S-2 ≤ 14.47% S-20 ≤ 14.44%	40 CFR 63.1383 (j)	P/E	Recordkeeping – Free-Formaldehyde Content of Resins Received
Formaldehyde	40 CFR 63.1382 (b)(10)	Y		Binder formulation for "M" & "O" Lines 2.07 pounds of phenol/ formaldehyde resin per pound of urea in the premix	40 CFR 63.1383 (k)	P/D	Recordkeeping – Formulation of Binder Used Per Batch
Formaldehyde	40 CFR 63.1382 (a)(2)(i)	Y		1.2 lb/ton of glass pulled – Per Rotary Spin Manufacturing Line	BAAQMD Permit Condition 20565, Part 9	P Once Per Permit Term	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
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 20565, Part 5	P/D	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 20565, Part 5	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 20565, Part 5	P/D	Visual Observation Recordkeeping
Glass Production	BAAQMD Permit Condition 20565, Part 13	Y		6 tons/hour 144 tons/day	BAAQMD Permit Condition 20565, Part 14	P/D	Recordkeeping
FP	BAAQMD Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 20565, Part 6	P Once Per Permit Term	Source Test
FP	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 20565, Part 6	P Once Per Permit Term	Source Test
FP	BAAQMD Permit Condition 20565, Part 3	Y		Pressure drop range across A-99: 1" wc to 20" wc	BAAQMD Permit Condition 20565, Part 4	P/E Once per shift	Recordkeeping

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 Permit Condition 20565, Part 3	Y		Pressure drop range across A-100: 5" wc to 40" wc	BAAQMD Permit Condition 20565, Part 4	P/E Once per shift	Recordkeeping
FP	BAAQMD Permit Condition 20565, Part 3	Y		Pressure drop range across A-101: 1" wc to 20" wc	BAAQMD Permit Condition 20565, Part 4	P/E Once per shift	Recordkeeping
FP	BAAQMD Permit Condition 20565, Part 3	Y		Pressure drop range across A-102: 5" wc to 40" wc	BAAQMD Permit Condition 20565, Part 4	P/E Once per shift	Recordkeeping
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
Incinerator Firebox Temperature	40 CFR 63.1382 (b)(6)	Y		Average firebox temperature at A-5, A-6 and A-25 for any 3-hour block period ≥ 1340 ºF	40 CFR 63.1383 (g)(1)	C	Recordkeeping – Firebox Operating Temperature
Incinerator Firebox	BAAQMD Permit Condition 20565, Part 5	Y		Proper Incinerator Maintenance	40 CFR 63.1383 (g)(2)	P/A	Inspection – Incinerator

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
Formaldehyde	40 CFR 63.1382 (a)(2)(i)	Y		1.2 lb/ton of glass pulled – Per Rotary Spin Manufacturing Line	BAAQMD Permit Condition 20565, Part 9	P Once Per Permit Term	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
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 20566, Parts 4	P/D	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 20566, Part 4	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 20566, Parts 4	P/D	Visual Observation Recordkeeping
Glass Produc-tion	BAAQMD Permit Condition 20566, Part 7	Y		6 tons/hour 144 tons/day	BAAQMD Permit Condition 20566, Part 8	P/D	Recordkeeping
FP	BAAQMD Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	BAAQMD Permit Condition 20566, Part 5	P Once Per Permit Term	Source Test
FP	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	BAAQMD Permit Condition 20566, Part 5	P Once Per Permit Term	Source Test
FP	BAAQMD Permit Condition 20566, Part 2	Y		Pressure drop range across A-7: 0.1" wc to 3" wc	BAAQMD Permit Condition 20566, Part 3	P/D	Recordkeeping

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 Permit Condition 20566, Part 2	Y		Pressure drop range across A-26: 1" wc to 10" wc	BAAQMD Permit Condition 20566, Part 3	P/D	Recordkeeping
FP	BAAQMD Permit Condition 20566, Part 2	Y		Water flow rate across A-26: 50 gpm to 250 gpm	BAAQMD Permit Condition 20566, Part 3	P/D	Recordkeeping
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
Formaldehyde	40 CFR 63.1382 (a)(2)(i)	Y		1.2 lb/ton of glass pulled – Per Rotary Spin Manufacturing Line	40 CFR 63.1383 (l)	P/D	Recordkeeping – Finished Product LOI and Density
Formaldehyde	40 CFR 63.1382 (a)(2)(i)	Y		1.2 lb/ton of glass pulled – Per Rotary Spin Manufacturing Line	BAAQMD Permit Condition 20566, Part 6	P Once Per Permit Term	Source Test

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 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 15250, Part 6	P/M	Visual Observation Recordkeeping
Opacity	BAAQMD Permit Condition 15250, Part 6	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 15250, Part 6	P/M	Visual Observation Recordkeeping
FP	BAAQMD Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
FP	BAAQMD Permit Condition 15250, Part 7	Y		Pressure drop range across A-149: 0" wc to 10" wc	BAAQMD Permit Condition 15250, Part 6	P/M	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - F
Applicable Limits and Compliance Monitoring Requirements
S-46 – ASPHALT TANK # 1 (WOOL)

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 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 12672, Part 3	P/M	Visual Observation
FP	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
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 - 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 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
FP	BAAQMD Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD 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 6-301	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 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Permit Condition 12144, Part 4	Y		0.015 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
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

VII. Applicable Limits and Compliance Monitoring Requirements

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 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
FP	BAAQMD 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-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 6-303	Y		Ringelmann 2.0 For less than 3 minutes in an hour	None	N	Visual Observation
FP	BAAQMD 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	BAAQMD Permit Condition 19142, Part 3	P/E	Fuel Certification by Vendor
Hours of Operation – Emer-gency Use	BAAQMD Regulation 9-8-330.1	N		Unlimited	BAAQMD Permit Condition 19142, Part 1	P/E	Running Time Clock, Recordkeeping
Hours of Operation – Reliabi-lity-Related Activities	BAAQMD Regulation 9-8-330.2	N		Unlimited	BAAQMD Permit Condition 19142, Part 1	P/E	Running Time Clock, Recordkeeping

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Table VII - K
Applicable Limits and Compliance Monitoring Requirements
S-66 – EM-3 STANDBY DIESEL GENERATOR
S-67 – "O" LINE STANDBY DIESEL GENERATOR
S-68 – "M" LINE STANDBY DIESEL 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 6-303	Y		Ringelmann 2.0 For less than 3 minutes in an hour	None	N	Visual Observation
FP	BAAQMD 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	BAAQMD Permit Condition 19142, Part 3	P/E	Fuel Certification by Vendor
Hours of Operation – Emer-gency-Use	BAAQMD Regulation 9-8-330.1	N		Unlimited	BAAQMD Permit Condition 19142, Part 1	P/E	Running Time Clock, Recordkeeping
Hours of Operation – Reliabi-lity-Related Activities	BAAQMD Regulation 9-8-330.2	N		100 hours per year	BAAQMD Permit Condition 19142, Part 1	P/E	Running Time Clock, 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
Opacity	BAAQMD Regulation 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	BAAQMD Permit Condition 12672, Part 4	P/W	Visual Observation
FP	BAAQMD Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD Regulation 6-311	Y		$4.10P^{0.67}$ lb/hr, where P is process weight, ton/hr	None	N	None
VOC	BAAQMD Regulation 8-2-301	Y		15 lb/day and 300 ppm (dry basis) total carbon	BAAQMD Permit Condition 12672, Part 6	P Once Per Permit Term	Source Test
H_2S	BAAQMD Regulation 9-2-301	Y		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 6-301	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 6-310	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 6-311	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 6-301	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 6-310	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 6-311	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 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	P/W	Visual Observation
FP	BAAQMD Regulation 6-310	Y		0.15 grains per dscf of exhaust gas volume	None	N	None
FP	BAAQMD 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
Applicable Limits and Compliance Monitoring Requirements
S-92 – NEBRASKA BOILER FIRING NATURAL GAS; STANDBY FUEL: DIESEL

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 6-301	Y		Ringelmann 1.0 For less than 3 minutes in an hour	None	N	Visual Observation
FP	BAAQMD Regulation 6-310.3	Y		0.15 grains per dscf of exhaust gas volume at 6% O_2	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 9-1-302	Y		300 ppm (dry)	None	N	None
SO_2	BAAQMD Regulation 9-1-304	Y		Sulfur Content < 0.5% by weight, for liquid fuel < 300 ppm (dry), for solid fuel	BAAQMD Permit Condition 10924, Parts 3, 4	P/E	Fuel Certification by Vendor, Recordkeeping
SO_2	BAAQMD Permit Condition 10924, Part 1	Y		< 0.5% by weight, for liquid fuel	BAAQMD Permit Condition 10924, Parts 3, 4	P/E	Fuel Certification by Vendor, Recordkeeping
NOx	BAAQMD Regulation 9-7-301.1	Y		30 ppmv @ 3%O2, dry, gaseous fuel	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - P
Applicable Limits and Compliance Monitoring Requirements
S-92 – NEBRASKA BOILER FIRING NATURAL GAS; STANDBY FUEL: DIESEL

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 Regulation 9-7-302.1	Y		40 ppmv @ 3%O2, dry, liquid fuel	BAAQMD Permit Condition 10924, Part 5	P/E Prior to Initial Use of Non-Gaseous Fuel	Source Test
NOx	BAAQMD Regulation 9-7-305.1	Y		150 ppmv @ 3%O2, dry, 3-hr average, Natural Gas Curtailment – Non Gaseous Fuel	None	N	None
NOx	BAAQMD Regulation 9-7-306.1	Y		150 ppmv @ 3%O2, dry, 3-hr average, Equipment Testing – Non Gaseous Fuel	None	N	None
CO	BAAQMD Regulation 9-7-301.2	Y		400 ppmv @ 3%O2, dry, 3-hr average, Gaseous Fuel	None	N	None
CO	BAAQMD Regulation 9-7-302.2	Y		400 ppmv @ 3%O2, dry, 3-hr average, Non-Gaseous Fuel	BAAQMD Permit Condition 10924, Part 5	P/E Prior to Initial Use of Non-Gaseous Fuel	Source Test
CO	BAAQMD Regulation 9-7-305.2	Y		400 ppmv @ 3%O2, dry, 3-hr average, Natural Gas Curtailment – Non Gaseous Fuel	None	N	None
CO	BAAQMD Regulation 9-7-306.2	Y		400 ppmv @ 3%O2, dry, 3-hr average, Equipment Testing – Non Gaseous Fuel	None	N	None

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - P
Applicable Limits and Compliance Monitoring Requirements
S-92 – NEBRASKA BOILER FIRING NATURAL GAS; STANDBY FUEL: DIESEL

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Heat Input	BAAQMD Permit Condition 10924, Part 2	Y		< 12.2 MM Btu/hr	BAAQMD Permit Condition 10924, Part 4	C	Recordkeeping – Fuel Meter

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	N		3.5 lbs/gallon	BAAQMD Permit Condition 14391, Part 7	P/M	Recordkeeping
VOC	SIP Regulation 8-4-302	Y		5 tons POC on a calendar year basis	BAAQMD 8-4-501	P/A	Recordkeeping
VOC	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
VOC	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	Y		2.5 lbs/gallon	BAAQMD Permit Condition 12378, Part 6	P/M	Recordkeeping
VOC	BAAQMD Permit Condition 12378, Part 1	Y		Annual Ink Usage < 32,000 gallons per source	BAAQMD Permit Condition 12378, Part 6	P/M	Recordkeeping
VOC	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - S
Applicable Limits and Compliance Monitoring Requirements
S-163 – MAINTENANCE PAINT SHOP SPRAY BOOTH

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC – Air-Dried Coating	BAAQMD Regulation 8-19-302.2	N		340 g/L (2.8 lbs/gal)	8-19-501	P/E	Recordkeeping
VOC – Air-Dried Coating	SIP Regulation 8-19-302.2	Y		340 g/L (2.8 lbs/gal)	8-19-501	P/E	Recordkeeping
VOC - Coating	BAAQMD Regulation 8-31-302	N		340 g/L (2.8 lbs/gal)	8-31-501	P/E	Recordkeeping
VOC - Coating	SIP Regulation 8-31-302	Y		340 g/L (2.8 lbs/gal)	8-31-501	P/E	Recordkeeping
VOC – Annual Limits	BAAQMD Permit Condition 15250, Part 1	Y		Coating < 125 gal/yr Cleanup Solvent < 110 gal/yr POC Emissions < 0.544 TPY	BAAQMD Permit Condition 15250, Parts 4, 5	P/D/W/M	Recordkeeping

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - T
Applicable Limits and Compliance Monitoring Requirements
S-164 – BOILERHOUSE STANDBY DIESEL 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 6-303	Y		Ringelmann 2.0 For less than 3 minutes in an hour	None	N	Visual Observation
FP	BAAQMD 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	BAAQMD Permit Condition 19142, Part 3	P/E	Fuel Certification by Vendor
Hours of Operation – Emer-gency-Use	BAAQMD Regulation 9-8-330.1	N		Unlimited	BAAQMD Permit Condition 19142, Part 2	P/E	Running Time Clock , Recordkeeping
Hours of Operation – Reliabi-lity-Related Activities	BAAQMD Regulation 9-8-330.2	N		100 hours per year	BAAQMD Permit Condition 19142, Part 2	P/E	Running Time Clock, 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
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 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
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
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

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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
40 CFR 63.1382 (a)(1)	Glass Melting Furnaces - PM Limit (lb/ton of glass pulled)	Method 5 (40 CFR part 60, Appendix A) – Concentration of PM
40 CFR 63.1382 (a)(2)(i)	Rotary Spin Manufacturing Lines – Formaldehyde Limit (lb/ton of glass pulled)	Method 316 or Method 318 (40 CFR part 63, Appendix A) – Concentration of Formaldehyde BAAQMD ST-16 or Mass Balance – Phenol Method 308 or Mass Balance - Methanol

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
40 CFR 63.1382 (a)(2)(i)	Rotary Spin Manufacturing Lines – Formaldehyde Limit (lb/ton of glass pulled)	Method contained in 40 CFR part 63, Appendix A – Determination of Product LOI or Alternatives Approved by the U.S. EPA
40 CFR 63.1382 (a)(2)(i)	Rotary Spin Manufacturing Lines – Formaldehyde Limit (lb/ton of glass pulled)	Method in contained 40 CFR part 63, Appendix B – Determination of Free-Formaldehyde Content of Resin
40 CFR 63.1382 (a)(2)(i)	Rotary Spin Manufacturing Lines – Formaldehyde Limit (lb/ton of glass pulled)	Method in contained 40 CFR part 63, Appendix C – Determination of Product Density or Alternatives Approved by the U.S. EPA
40 CFR 63.1382 (a)(2)(i)	Rotary Spin Manufacturing Lines – Formaldehyde Limit (lb/ton of glass pulled)	Alternate Method Approved by the Administrator

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-4 – "M" COOLING
S-20 – "O" FORMING
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)

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 8, Rule 1: 8-1-110.3	General Provisions (Sources S-3 and S-21 are part of a continuous process – "M" and "O" rotary spin manufacturing lines, respectively and are potentially subject to the requirements of Regulation 8, Rule 2. Incinerators A-6 & A-6 and A-25 abate the organic compound emissions from S-3 and S-21, respectively. The individual organic compound destruction efficiencies of the "M" and "O" line incinerators are greater than 90%. For the above reasons, sources 3 and 21 are exempt from complying with Regulation 8)
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)
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)

IX. Permit Shield

Table IX A – D
Permit Shield for Non-applicable Requirements
S-33 – PROCESS/GROUNDWATER STORAGE SURGE TANK
S-149 – OPEN TOP GROUNDWATER STORAGE/SURGE TANK
S-150 - OPEN TOP GROUNDWATER STORAGE/SURGE TANK
S-159 – PUMP SEAL COOLING WATER STORAGE TANK
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 capacities of tanks S-33, S-149 and S-150 are greater than 10,566 gallons or 40 m^3. However, the tanks do not store volatile organic liquids. The liquid storage capacities of tanks S-159 and S-160 are less than 40 m^3 and therefore are exempt from complying with the rule)

Table IX A – E
Permit Shield for Non-applicable Requirements
S-46 – ASPHALT TANK # 1 (WOOL)

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)

IX. Permit Shield

Table IX A – F
Permit Shield for Non-applicable Requirements
S-50 – Resin Tank # 1 (East) Phenol Formaldehyde Resin – Aqueous
S-51 – Resin Tank # 2 (West) Phenol Formaldehyde Resin – Aqueous

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)

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 coating line since it is part of the Forming, Curing, and Cooling sections. The ink from the printers is printed on to 35 pound natural kraft and natural kraft/foil laminated paper)

IX. Permit Shield

Table IX A – I
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)

Table IX A – J
Permit Shield for Non-applicable Requirements
S-161 – PREMIX TANK, T-19
S-162 – PREMIX TANK, T-20

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 Ka: 60.110 a (a)	Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after May 18, 1978 and Prior to July 23, 1984. (The standard does not apply because the liquid storage capacities of tanks S-161 and S-162 is less than 40,000 gallons and the tanks do not store petroleum liquids)

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.

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.

X. Glossary

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

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.

X. Glossary

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

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.

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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.

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

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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)

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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

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

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µg	=	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

XII. APPLICABLE STATE IMPLEMENTATION PLAN

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

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