Bay Area Air Quality Management District

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

~~Final~~Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:

U.S. Pipe and Foundry Company
Facility #A0083

Facility Address:
1295 Whipple Road
Union City, CA 94587

Mailing Address:
1295 Whipple Road
Union City, CA 94587

Responsible Official	**Facility Contact**
David A. Hiestand~~James E. Kelly~~, Plant Manager	Dioni M. Araza~~i~~, Environmental Coordinator
(510) 441-5814	(510) 441-5865

Type of Facility:	Ductile Iron Foundry	BAAQMD Engineering~~Permit~~ Division Contact:
Primary SIC:	3321	Jimmy Cheng~~Dennis Jang~~
Product:	Ductile Iron Pressure Pipe	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

~~Signed by Jack P. Broadbent~~ _____ ~~June 8, 2005~~ _____
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~~5/4/11);

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

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 4/18/12~~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 6/15/05~~5/17/00~~);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/21/04~~5/17/00~~);

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

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

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

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

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

1. This Major Facility Review Permit was issued on ~~June 8, 2005~~ and expires on ~~May 31, 2010~~. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than ~~December 1, 2009~~ and no earlier than ~~May 31, 2009~~. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after ~~May 31, 2010~~.** If the permit renewal has not been issued by ~~May 31, 2005~~, but a complete application for renewal has been submitted in accordance with the abov~~`~~e deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, & 407, 409.6; MOP Volume II, Part 3, §4.2)

2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and reissuance, 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 that must be maintained pursuant to this permit that the permit holder considers 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 certification will be signed by the responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless of whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

I. Standard Conditions

C. Requirement to Pay Fees

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

D. Inspection and Entry

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

E. Records

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501~~, 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. All instances of non-compliance shall be clearly identified in these reports. Reports shall be submitted for the following periods: July 1st through December 31st and January 1st through June 30th of each year, and are due on the last day of the month after the end of the reporting period. The reports shall be certified as true, accurate, and complete by the responsible official. 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 July 1st through~~to~~ June 30th. The certification shall be submitted by July 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance

I. Standard Conditions

Certification forms. The certification should be directed to the District's Compliance and Enforcement Division, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

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

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

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)

2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)

3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

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

J. Miscellaneous Conditions

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

K. Accidental Release

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

II. EQUIPMENT ~~LIST~~

Table II-A-Permitted Sources

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

S-#	Description	Make or Type	Model	Capacity
S-1	Cupola (coke)	U.S. Pipe	None	600 ton/day, 182 MM BTU/hr
S-4	Ductile Treating Unit	U.S. Pipe	None	600 ton/day
S-5	Ladle Lancing	U.S. Pipe	None	40 ton/hr
S-7	Mold Sandblast	Pauli & Griffin	24S	0.4 ton/hr
S-8	Bell Blowout	U.S. Pipe	None	38 ton/hr
S-15	Annealing Oven (natural gas)	U.S. Pipe	None	55 ton/hr, 88 MM BTU/hr
S-16	Pneumatic Dust Transport System	U.S. Pipe	None	32.5 ton/hr
S-17	Surface Coater	Unknown	Unknown	Unknown
S-26	Paint Storage Tank #1	Underground, Fixed-Roof	Unknown	10,000 gallon
S-27	Paint Storage Tank #2	Underground, Fixed-Roof	Unknown	10,000 gallon
~~S-32~~	~~Pneumatic Dust Transport System~~	~~U.S. Pipe~~	~~None~~	~~1.3 ton/hr~~
S-33	Gasoline Dispensing Facility, non-retail (GDF#7675)	Trusco, Aboveground Storage Tank	MHR-D-500	500 gallon, 1 nozzle
S-40	Portable Abrasive Blasting Unit #1	P & G	Unknown	740 lb/hr
S-41	Portable Abrasive Blasting Unit #2	Clemco	Unknown	450 lb/hr
S-42	Cold Cleaner #2	Safety-Kleen	94.1R	30 gallon
S-43	Cold Cleaner #3	Safety-Kleen	1 94.1R	30 gallon
~~S-51~~	~~Standby Generator Diesel Engine~~	~~Electro Motion~~	~~1000T4DD~~	~~134 bhp~~
S-52	Standby Generator Diesel Engine	Detroit Diesel	G415JAL-002	134 bhp

II. Equipment ~~List~~

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-3	Cupola Afterburner (natural gas, liquid petroleum gas, 16 MM BTU/hr)	S-1 Cupola	District Condition #2274, part 3	Minimum operating temperature of 1550°F	None
A-5	Mold Sandblast Baghouse	S-7 Mold Sandblast	BAAQMD Reg. 6-1-301	None	Ringelmann 1 for ~~<~~ ≤ 3 minutes/hr aggregated
			BAAQMD Reg. 6-1-310	None	Grain loading not to exceed 0.15 gr/dscf
A-9	Pneumatic Cement Transport Baghouse	S-16 Pneumatic Cement Transport	BAAQMD Reg. 6-1-301	None	Ringelmann 1 for ~~<~~ ≤ 3 minutes/hr aggregated
			BAAQMD Reg. 6-1-310	None	grain loading not to exceed 0.15 gr/dscf
A-10	Ductile Treater Baghouse	S-4 Ductile Treating Units	BAAQMD Reg. 6-1-301	None	Ringelmann 1 for ~~<~~ ≤ 3 minutes/hr aggregated
			BAAQMD Reg. 6-1-310	None	grain loading not to exceed 0.15 gr/dscf
~~A-12~~	~~Cupola Baghouse~~	~~S-1 Cupola & S-5 Ladle Lancing & S-6 Brick Saw~~	~~District Condition #2274, part 4~~	~~Pressure drop across bags not to exceed 6 inches water column~~	~~None~~
			~~BAAQMD Reg. 6-301~~	~~Pressure drop across bags not to exceed 6 inches water column~~	~~Ringelmann 1 for < 3 minutes/hr~~

II. Equipment ~~List~~

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
			~~BAAQMD Reg. 6-310~~	~~Pressure drop across bags not to exceed 6 inches water column~~	~~grain loading not to exceed 0.15 gr/dscf~~
A-13	Baghouse	S-1 Cupola & S-5 Ladle Lancing	District Condition #2274, part 4	Pressure drop across bags not to exceed 8 inches water column or to fall below 1 inch water column	None
			District Condition #2274, part 11	Pressure drop across bags not to exceed 8 inches water column or to fall below 1 inch water column	grain loading not to exceed 0.006 gr/dscf
			BAAQMD Reg. 6-1-301	Pressure drop across bags not to exceed 8 inches water column or to fall below 1 inch water column	Ringelmann 1 for ≤ 3 minutes/hr aggregated
			BAAQMD Reg. 6-1-310	Pressure drop across bags not to exceed 8 inches water column or to fall below 1 inch water column	grain loading not to exceed 0.15 gr/dscf
~~A-19~~	~~Dust Collector~~	~~S-32 Pneumatic Dust Transport~~	~~District Condition #2676, part 3~~	~~None~~	~~grain loading shall not exceed 0.10 gr/dscf~~
			~~BAAQMD Reg. 6-301~~	~~None~~	~~Ringelmann 1 for < 3 minutes/hr~~
			~~BAAQMD Reg. 6-310~~	~~None~~	~~grain loading not to exceed 0.15 gr/dscf~~

II. Equipment ~~List~~

Table II-B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Required Efficiency
A-20	Bell Blowout Dust Collector	S-8 Bell Blowout	District Condition #2212, part 2	Pressure drop across bags not to exceed 6 inches water column or to fall below 1/4 inch water column	None
			BAAQMD Reg. 6-1-301	Pressure drop across bags not to exceed 6 inches water column or to fall below 1/4 inch water column	Ringelmann 1 for ~~<~~ 3 minutes/hr aggregated
A-20	Bell Blowout Dust Collector	S-8 Bell Blowout	BAAQMD Reg. 6-1-310	Pressure drop across bags not to exceed 6 inches water column or to fall below 1/4 inch water column	grain loading not to exceed 0.15 gr/dscf

III. GENERALLY APPLICABLE REQUIREMENTS

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

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

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

The full language of SIP requirements is on EPA Region 9's website. The address is http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions ~~http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1~~.

NOTE:

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

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11~~5/2/01~~)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 2, Rule 1	General Requirements (4/18/12~~1/26/99~~)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04~~6/7/95~~)	N~~Y~~
SIP Regulation 2, Rule 1	General Requirements (1/26~~8/27~~/99)	Y
SIP Regulation 2-1-429	Federal Emissions Statement (4/3/95)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (01/06/10)	N
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (7/9/08~~3/06/02~~)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements ~~and Visible Emissions~~ (12/5/07~~12/19/90~~)	N~~Y~~
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05~~6/15/94~~)	N~~Y~~
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09~~11/21/01~~)	N~~Y~~
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2/04~~2/18/98~~)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y~~N~~
~~SIP Regulation 8, Rule 4~~	~~Organic compounds - General Solvent and Surface Coating Operations (12/23/97)~~	~~Y~~
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05~~12/15/99~~)	N~~Y~~
SIP Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05~~6/15/94~~)	N~~Y~~
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N

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 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 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N~~Y~~
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98~~12/4/91~~)	N~~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 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04~~6/19/95~~)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (4/13/05)	
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions – Required Practices	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions – Technician Certification	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

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

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

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

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is: http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions ~~http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1~~. All other text may be found in the regulations themselves.

Table IV-A
S-1 Cupola

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements ~~and Visible Emissions~~ (12/5/07~~7/11/90~~)**		
6-1-301	Ringelmann No.1 Limitation	N~~Y~~	
6-1-305	Visible Particles	N~~Y~~	
6-1-310	Particulate Weight Limitation	N~~Y~~	
6-1-311	General Operations	N~~Y~~	
6-1-401	Appearance of Emissions	N~~Y~~	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		

IV. Source-Specific Applicable Requirements

Table IV-A
S-1 Cupola

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 11, Rule 1	**Lead (3/17/82)**		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
40 CFR 63, Subpart ZZZZZ	**National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources (1/2/08)**	Y	
63.10880	Applicability	Y	
63.10880(a)	Applicability as an Area Source foundry	Y	
63.10880 (b)(1)	Applicability as "Existing" Area Source foundry	Y	
63.10880(b) (f)	Notification of Designation as a "Large" foundry	Y	
63.10885	Pollution Prevention Practices for Existing Sources	Y	
63.10885(a) (2)(ii)	Metallic Scrap Management- scrap is depleted of chlorinated plastics, accessible lead-containing components, and drained of free liquids	Y	
63.10885(b)	Mercury requirements	Y	
63.10895	Standards and Management Practices	Y	
63.10895(b)	Capture and Collection System Requirement	Y	
63.10895(c)	PM and HAP emission standard	Y	

IV. Source-Specific Applicable Requirements

Table IV-A
S-1 Cupola

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.10895(d)	Control Device Parameter Operating Requirements for New Affected Sources	Y	
63.10895(e)	Opacity Limit for Fugitive Emissions	Y	
63.10896	Operation & Maintenance Requirements	Y	
63.10897	Monitoring requirements	Y	
63.10898	Performance test requirements	Y	
63.10899	Recordkeeping and reporting requirements	Y	
63.10900	General Provisions	Y	
63.10905	Delegation	Y	
63.10906	Definitions	Y	
BAAQMD Condition #2274			
part 1	A-3 Afterburner and A-13~~2~~ Baghouse Abatement Requirement (basis: cumulative increase)	Y	
part 2	Limitation on Grey Iron Throughput (basis: BACT, cumulative increase)	Y	
part 3	Minimum A-3 Afterburner Combustion Chamber Temperature (basis: BACT, cumulative increase)	Y	
part 4	A-13~~2~~ Baghouse maintenance requirement (basis: BACT, cumulative increase)	Y	
part 5	A-3 Afterburner temperature monitor and recorder (basis: BACT, cumulative increase)	Y	
part 6	Recordkeeping Requirement (basis: BACT, cumulative increase)	Y	
part 7	SO2 monitoring (Regulation 9-1-301, Regulation 2-6-501)	Y	
part 8	Baghouse maintenance (Regulation 6-1-301, Regulation 2-6-501)	Y	
part 9	Visible emissions monitoring (Regulation 6-1-301, Regulation 2-6-501)	Y	
part 10	Startup source test requirement	Y	
part 11	Outlet grain loading and initial source test requirement	Y	
part 12	Requirement to comply with 40 CFR Part 63 Subpart ZZZZZ	Y	
part 13	A-13 pressure differential gauge (basis: cumulative increase)	Y	
part 14	Requirement to maintain pressure drop limit specified in part 4	Y	
part 15	Definition of excursion and requirements	Y	
part 16	Pressure drop monitoring frequency	Y	

IV. Source-Specific Applicable Requirements

Table IV-A
S-1 Cupola

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 17	Requirements for responding to excursion	Y	
part 18	Reporting Format Requirement	Y	
part 19	Recordkeeping Requirement	Y	

IV. Source-Specific Applicable Requirements

Table IV-B
S-4 Ductile Treating Unit

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements ~~and Visible Emissions~~ (12/5/07~~7/11/90~~)**		
6-1-301	Ringelmann No.1 Limitation	N~~Y~~	
6-1-305	Visible Particles	N~~Y~~	
6-1-310	Particulate Weight Limitation	N~~Y~~	
6-1-311	General Operations	N~~Y~~	
6-1-401	Appearance of Emissions	N~~Y~~	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Regulation 11, Rule 1	**Lead (3/17/82)**		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
BAAQMD Condition #1783			
part 1	Sulfur Dioxide Mass Emission Limit (basis: cumulative increase)	Y	
part 2	A-10 Baghouse Abatement Requirement (basis: cumulative increase)	Y	
part 3	A-10 pressure differential gauge (basis: cumulative increase)	Y	
part 4	A-10 Baghouse discharge requirement (basis: Regulation 6-1-301)	Y	
part 5	A-10 Baghouse maintenance requirement (basis: cumulative increase)	Y	
part 6	Baghouse maintenance (Regulation 6-1-301, Regulation 2-6-501)	Y	
part 7	Visible emissions monitoring (Regulation 6-1-301, Regulation 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

Table IV-C
S-5 Ladle Lancing

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter ~~and Visible Emissions~~, General Requirements (12/5/07~~7/11/90~~)**		
6-1-301	Ringelmann No.1 Limitation	N~~Y~~	
6-1-305	Visible Particles	N~~Y~~	
6-1-310	Particulate Weight Limitation	N~~Y~~	
6-1-311	General Operations	N~~Y~~	
6-1-401	Appearance of Emissions	N~~Y~~	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #14989			
part 1	Baghouse maintenance (Regulation 6-1-301, Regulation 2-6-501)	Y	
part 2	Visible emissions monitoring (Regulation 6-1-301, Regulation 2-6-501)	Y	

Table IV-D
S-8 Bell Blowout

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements ~~and Visible Emissions~~ (12/5/07~~7/11/90~~)**		
6-1-301	Ringelmann No.1 Limitation	N~~Y~~	
6-1-305	Visible Particles	N~~Y~~	
6-1-310	Particulate Weight Limitation	N~~Y~~	

IV. Source-Specific Applicable Requirements

Table IV-D
S-8 Bell Blowout

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-311	General Operations	N~~Y~~	
6-1-401	Appearance of Emissions	N~~Y~~	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #2212			
part 1	A-17 Baghouse Abatement Requirement (basis: cumulative increase)	Y	
part 2	A-17 Baghouse maintenance requirement (basis: cumulative increase)	Y	
part 3	A-17 Baghouse pressure drop gauge (basis: cumulative increase)	Y	
part 4	Visible emissions monitoring (Regulation 6-1-301, Regulation 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

Table IV-E
S-15 Annealing Oven

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements ~~and Visible Emissions~~ (12/5/07~~7/11/90~~)**		
6-1-301	Ringelmann No.1 Limitation	N~~Y~~	
6-1-305	Visible Particles	N~~Y~~	
6-1-310	Particulate Weight Limitation	N~~Y~~	
6-1-311	General Operations	N~~Y~~	
6-1-401	Appearance of Emissions	N~~Y~~	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9, Rule 1	**Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitation	Y	
BAAQMD Condition #14990			
part 1	Visible emissions monitoring (Regulation 6-1-301, Regulation 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

Table IV-F
S-16 Pneumatic Cement Transport System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements ~~and Visible Emissions~~ (12/5/07~~7/11/90~~)**		
6-1-301	Ringelmann No.1 Limitation	N~~Y~~	
6-1-305	Visible Particles	N~~Y~~	
6-1-310	Particulate Weight Limitation	N~~Y~~	
6-1-311	General Operations	N~~Y~~	
6-1-401	Appearance of Emissions	N~~Y~~	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Condition #14991			
part 1	Visible emissions monitoring (Regulation 6-1-301, Regulation 2-6-501)	Y	

Table IV-G
S-17 Surface Coater

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	**Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)**		
8-19-302	Limits	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	

IV. Source-Specific Applicable Requirements

Table IV-G
S-17 Surface Coater

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-19-501	Records	Y~~N~~	
BAAQMD Condition #20671			
Part 1	Coating and solvent usage limits (Regulation 2-2-201.2)	Y	
Part 2	Alternative coating and solvent emission limit (Regulation 2-2-201.2, TRMP)	Y	
Part 3	Recordkeeping (Regulation 2-2-201.2, Regulation 1-441, Regulation 8-19-501)	Y	

Table IV-H
S-26 Paint Storage Tank #1
S-27 Paint Storage Tank #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 5	**Storage of Organic Liquids (10/18/06~~12/15/99~~)**		
8-5-301	~~Storage Tanks Control Requirements~~Storage Tanks Control Requirements– Tank Capacity > 37.5 m^3 to < 75 m^3	N~~Y~~	
8-5-302	Requirements for Submerged Fill Pipes	N~~Y~~	
8-5-328	Tank Degassing Requirements	N~~Y~~	
8-5-501	Records	N~~Y~~	
SIP Regulation 8, Rule 5	**Storage of Organic Liquids (6/5/03)**		
8-5-301	Storage Tanks Control Requirements– Tank Capacity > 37.5 m^3 to < 75 m^3, aboveground only	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-501	Records	Y	

IV. Source-Specific Applicable Requirements

Table IV-I
S-32 Pneumatic Dust Transport System

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	**Particulate Matter and Visible Emissions (7/11/90)**		
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 #2676			
part 1	A-19 Baghouse Abatement Requirement (basis: cumulative increase)	Y	
part 2	Limitation on Daily hours of operation (basis: cumulative increase)	Y	
part 3	A-19 Baghouse Grain Loading Limit (basis: BACT)	Y	
part 4	Automatic shutdown (Regulation 6-301, Regulation 2-6-501)	Y	

IV. Source-Specific Applicable Requirements

Table IV-I~~J~~
S-33 Gasoline Dispensing Facility (Non-Retail)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	**Organic Compounds - Gasoline Dispensing Facilities (11/6/02~~11/17/99~~)**		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-301	Phase I Requirements	Y	
8-7-301.1	Requirement for CARB Phase I System	Y	
8-7-301.2	Installation of Phase I Equipment per CARB Requirements	Y	
8-7-301.3	Submerged Fill Pipes	Y	
~~8-7-301.4~~	~~P-V Valves on All Open Vent Pipes~~	~~Y~~	
8-7-301.5	Maintenance of Phase I Equipment per Manufacturers Guidelines	Y	
8-7-301.6	Leak-Free, Vapor-Tight	Y	
8-7-301.7	Poppetted Drybreaks	Y	
8-7-301.8	No Coaxial Phase 1 Systems on New and Modified Tanks	Y~~N~~	
8-7-301.9	CARB-Certified Anti-Rotational Coupler or Swivel Adapter	Y~~N~~	
8-7-301.10	System Vapor Recovery Rate for new or modified vapor recovery system	Y~~N~~	
8-7-301.11	CARB-Certified Spill Box	Y~~N~~	
8-7-301.12	Drain Valve Permanently Plugged	Y~~N~~	
8-7-301.13	Demonstration of Compliance with Vapor Tightness Standards	Y	
8-7-302	Phase II Requirements	Y	
8-7-302.1	Requirement for CARB Certified Phase II System	Y~~N~~	
8-7-302.2	Maintenance of Phase II System per CARB Requirements	Y~~N~~	
8-7-302.3	Maintenance of All Equipment as Specified by Manufacturer	Y~~N~~	
8-7-302.4	Repair of Defective Parts Within 7 Days	Y	
8-7-302.5	Leak-Free, Vapor-Tight	Y~~N~~	
8-7-302.6	Insertion Interlocks	Y~~N~~	
8-7-302.7	Built-In Vapor Check Valve	Y~~N~~	
8-7-302.8	Minimum Liquid Removal Rate	Y~~N~~	
8-7-302.9	Coaxial Hose	Y~~N~~	
8-7-302.10	Galvanized Piping or Flexible Tubing	Y~~N~~	
8-7-302.11	ORVR Compatible	Y~~N~~	

IV. Source-Specific Applicable Requirements

Table IV-I~~J~~
S-33 Gasoline Dispensing Facility (Non-Retail)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.12	Liquid Retainment Limit	Y~~N~~	
8-7-302.13	Spitting Limit	Y~~N~~	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-307	Posting of Operating Instructions	Y~~N~~	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirements	Y	
8-7-316	Pressure Vacuum Valve Requirement, Aboveground Storage Tanks and Vaulted Below-Grade Storage Tanks	Y~~N~~	
8-7-401	Equipment Installation and Modification	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y~~N~~	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y~~N~~	
8-7-503.1	Gasoline Dispensed Records	Y~~N~~	
8-7-503.2	Dispensing Facility Maintenance Records	Y~~N~~	
8-7-503.3	Dispensing Records Retention	Y~~N~~	
~~**SIP Regulation 8, Rule 7**~~	~~**Organic Compounds - Gasoline Dispensing Facilities (6/1/94)**~~		
~~8-7-301~~	~~Phase I Requirements~~	~~Y~~	
~~8-7-301.1~~	~~Requirement for CARB Certified Phase I System~~	~~Y~~	
~~8-7-301.2~~	~~Installation of Phase I System per CARB Requirements~~	~~Y~~	
~~8-7-301.3~~	~~Submerged Fill Pipe~~	~~Y~~	
~~8-7-301.4~~	~~Pressure Vacuum Relief Valve Requirement~~	~~Y~~	
~~8-7-301.5~~	~~Maintenance of Phase I Equipment per Manufacturers Guidelines~~	~~Y~~	
~~8-7-301.6~~	~~Leak-Free, Vapor-Tight~~	~~Y~~	
~~8-7-301.7~~	~~Poppetted Drybreaks~~	~~Y~~	
~~8-7-302~~	~~Phase II Requirements~~	~~Y~~	
~~8-7-302.1~~	~~Requirement for CARB Certified Phase II System~~	~~Y~~	
~~8-7-302.2~~	~~Maintenance of Phase II System per CARB Requirements~~	~~Y~~	
~~8-7-302.3~~	~~Maintenance of All Equipment as Specified by Manufacturer~~	~~Y~~	
~~8-7-302.4~~	~~Repair of Defective Parts Within 7 Days~~	~~Y~~	

IV. Source-Specific Applicable Requirements

Table IV-I~~J~~
S-33 Gasoline Dispensing Facility (Non-Retail)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
~~8-7-302.5~~	~~Leak-Free, Vapor Tight~~	~~Y~~	
~~8-7-304~~	~~Certification Requirements~~	~~Y~~	
~~8-7-307~~	~~Posting of Operating Instructions~~	~~Y~~	
~~8-7-310~~	~~New Tank Phase II Requirement~~	~~Y~~	
~~8-7-312~~	~~Removal of Gasoline~~	~~Y~~	
~~8-7-401~~	~~Equipment Installation and Modification~~	~~Y~~	
~~8-7-404~~	~~Certification of New Installation~~	~~Y~~	
~~8-7-405~~	~~Compliance Schedule, Loss of Exemption~~	~~Y~~	
~~8-7-501~~	~~Burden of Proof~~	~~Y~~	
BAAQMD Condition #18432			
Part 1	Annual throughput (basis: TRMP)	Y	
Part 2	Annual Static Pressure Performance Test Requirement (basis: Executive order G-70-132-B)	Y	

[1] This section of the SIP rule has been removed from or revised in the current BAAQMD rule. Nevertheless, the source must comply with this SIP requirement until US EPA has reviewed and approved the District's revision of the regulation.

Table IV-J~~K~~
S-40 Portable Abrasive Blasting Unit #1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 12, Rule 4	**Sandblasting (7/11/90)**		
12-4-301	Ringelmann 1 Limitation	Y~~N~~	
12-4-302	Ringelmann 2 Limitation	Y	
12-4-305	Performance Standards for Abrasives	Y	
12-4-306	Certification of Abrasives	Y	

IV. Source-Specific Applicable Requirements

Table IV-JK
S-40 Portable Abrasive Blasting Unit #1

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
SIP Regulation 12, Rule 4	**PROVISIONS NO LONGER IN CURRENT RULE Miscellaneous Standards of Performance Sandblasting (12/4/79)**		
12-4-301	Ringelmann Number 1 Limitation	Y	
12-4-304	Performance Standards for Other Abrasive Blasting	Y	
BAAQMD Condition #13321			
part 1	Material Throughput Limitation (basis: cumulative increase)	Y	
part 2	Blast Media Type (basis: cumulative increase)	Y	
part 3	Daily Material Throughput Recordkeeping Requirement (basis: cumulative increase)	Y	

[1] This section of the SIP rule has been removed from or revised in the current BAAQMD rule. Nevertheless, the source must comply with this SIP requirement until US EPA has reviewed and approved the District's revision of the regulation.

Table IV-KL
S-41 Portable Abrasive Blasting Unit #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 12, Rule 4	**Sandblasting (7/11/90)**		
12-4-301	Ringelmann 1 Limitation	YN	
12-4-302	Ringelmann 2 Limitation	Y	
12-4-305	Performance Standards for Abrasives	Y	
12-4-306	Certification of Abrasives	Y	
SIP Regulation 12, Rule 4	**PROVISIONS NO LONGER IN CURRENT RULE Miscellaneous Standards of Performance Sandblasting (12/4/79)**		
12-4-301	Ringelmann Number 1 Limitation	Y	
12-4-304	Performance Standards for Other Abrasive Blasting	Y	

IV. Source-Specific Applicable Requirements

Table IV-K~~L~~
S-41 Portable Abrasive Blasting Unit #2

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #13321			
part 4	Material Throughput Limitation (basis: cumulative increase)	Y	
part 5	Blast Media Type (basis: cumulative increase)	Y	
part 6	Daily Material Throughput Recordkeeping Requirement (basis: cumulative increase)	Y	

[1] This section of the SIP rule has been removed from or revised in the current BAAQMD rule. Nevertheless, the source must comply with this SIP requirement until US EPA has reviewed and approved the District's revision of the regulation.

IV. Source-Specific Applicable Requirements

Table IV-L~~M~~
S-42 Cold Cleaner #2
S-43 Cold Cleaner #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	**Solvent Cleaning Operations (10/16/02)**		
8-16-118	Limited Exemption, Compounds of Low Volatility	Y	
8-16-122	Limited Exemption, Permitted Cold Cleaner	Y~~N~~	
8-16-303	Cold Cleaner Requirements	Y	
8-16-303.1	–General Operating Requirements	Y	
8-16-303.1.2	––Leak Repair Requirement	Y	
8-16-303.1.3	––Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	––Waste Solvent Disposal	Y	
8-16-303.1.4(a)	–––Covered Containers for Waste Solvent Awaiting Pick-up	Y	
8-16-303.1.4(b)	–––On-site Waste Treatment	Y	
8-16-303.1.5	––Solvent Evaporation Minimization Devices shall not be Removed	Y	
8-16-303.1.6	––Solvent Spray Requirements	Y	
8-16-303.2	–Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	––Solvent shall be Drained from Cleaned Parts	Y	
8-16-303.2.2	––Solvent Agitation	Y	
8-16-303.2.3	––Solvent Cleaning of Porous or Absorbent Materials is Prohibited	Y	
8-16-303.3	–Cold Cleaner General Equipment Requirements	Y	
8-16-303.3.1	––Container	Y	
8-16-303.3.2	––Solvent Evaporation Reduction for Idle Equipment	Y	
8-16-303.3.3	––Used Solvent Returned to Container	Y	
8-16-303.3.4	––Label Stating Operating Requirements	Y	
SIP Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (12/9/94)**		
8-16-501.2	Facility-wide Quarterly Solvent Usage Records	Y	

IV. Source-Specific Applicable Requirements

Table IV-L~~M~~
S-42 Cold Cleaner #2
S-43 Cold Cleaner #3

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #16938			
Part 1	Net Solvent Usage Limit (basis: cumulative increase)	Y	
Part 2 (a)	POC emission limit (basis: cumulative increase)	Y	
Part 2 (b)	NPOC emission limit (basis: cumulative increase)	Y	
Part 2 (c)	Toxic air contaminant emission limits (basis: TRMP)	Y	
Part 3	Recordkeeping (basis: cumulative increase, TRMP)	Y	

[1] This section of the SIP rule has been removed from or revised in the current BAAQMD rule. Nevertheless, the source must comply with this SIP requirement until US EPA has reviewed and approved the District's revision of the regulation.

Table IV-M~~N~~
~~S-51 STANDBY GENERATOR DIESEL ENGINE~~
S-52 STANDBY GENERATOR DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter and Visible Emissions (12/19/90)**		
6-1-303.1	Ringelmann Number 2 Limitation	N~~Y~~	
6-1-305	Visible Particles	N~~Y~~	
6-1-310	Particulate Weight Limitation	N~~Y~~	
6-1-310.3	Heat Transfer Operations	N~~Y~~	
6-1-401	Appearance of Emissions	N~~Y~~	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operation	Y	

IV. Source-Specific Applicable Requirements

Table IV-MN
~~S-51 STANDBY GENERATOR DIESEL ENGINE~~
S-52 STANDBY GENERATOR DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-311	General 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	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (8/1/01)**		
9-8-330	Emergency Standby Engines, Hours of Operation	Y	
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	Y	
~~**BAAQMD Condition #20974**~~			
~~part 1~~	~~Fuel sulfur content limit (Basis: Regulation 9, Rule 1)~~	~~Y~~	
~~part 2~~	~~Recordkeeping (Basis: Recordkeeping)~~	~~Y~~	
Section 93115, Title 17, CCR	**Airborne Toxic Control Measure for Stationary Compression Ignition Engines**		
93115.5(a)	Fuel Requirements	N	
93115.6(a)(3)(A)	PM Emission Standards & Maximum Hours of Operation for Maintenance and Testing	N	
93115.6(3)(a)(B)	Applicable Emissions Standards for HC, NO_x, NMHC+NO_x, and CO	N	
93115.10	Recordkeeping, Reporting and Monitoring Requirements	N	
93115.10(a)	Reporting	N	
93115.10(c)	Demonstration of Compliance with Emission Limits	N	
93115.10(e)	Monitoring Equipment	N	
93115.10(g)	Reporting/Record Requirements	N	
93115.10(g)(1)	Monthly Log: Data Required	N	
93115.10(g)(2).	Data Log Retention	N	

IV. Source-Specific Applicable Requirements

Table IV-MN
~~S-51 STANDBY GENERATOR DIESEL ENGINE~~
S-52 STANDBY GENERATOR DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.15	Severability	N	
40 CFR 63, Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (1/18/08)**		
63.6585	Am I subject to this subpart?	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAP emissions	Y	
63.6590(a)(1)(iii)	Affected source under existing stationary RICE located at an area source of HAP emissions, constructed before 6/12/06	Y	
63.6595	When do I have to comply with this subpart?	Y	5/3/13
63.6595(a)(1)	Must comply with applicable emission limitations and operating limitations no later than May 3, 2013	Y	5/3/13
63.6595(c)	Comply with applicable notification requirements in 63.6645 and 40 CFR Part 63, subpart A	Y	5/3/13
63.6603(a)	Comply with requirements of Table 2d, Part 4 (operating limitations of Tables 1b and 2b do not apply): 1. Change oil & filter every 500 hours of operation or annually, whichever comes first. Oil analysis program may be used to extend period. 2. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and 3. Inspect all hoses and belts every 500 hours or annually, whichever comes first, and replace as necessary	Y	5/3/13
63.6605	General Requirements 1. Must be in compliance with applicable emission limitations and operating limitations 2. Operate engine in a manner consistent with safety and good air pollution control practices to minimize emissions	Y	5/3/13
63.6625(e)(3)	Maintain RICE and abatement controls according to manufacturer's instructions or develop own maintenance plan that must provide to the extent practicable for the O&M of the engine in a manner consistent with good air pollution control practices for minimizing emissions.	Y	5/3/13
63.6625(h)	Minimize idling, and minimize startup time to not exceed 30 minutes	Y	5/3/13
63.6625(i)	Option to utilize an oil analysis program in order to extend the specified oil change requirement in Table 2d, part 4.	Y	5/3/13

IV. Source-Specific Applicable Requirements

Table IV-MN
~~S-51 STANDBY GENERATOR DIESEL ENGINE~~
S-52 STANDBY GENERATOR DIESEL ENGINE

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6640(a)	Demonstrate continuous compliance with the requirements of Table 2d according to work or management practices of Table 6, Part 9a.	Y	5/3/13
63.6640(b)	Report deviations from the requirements of Table 2d.	Y	5/3/13
63.6640(e)	Report non-compliance with the any applicable requirement of Table 8.	Y	5/3/13
63.6640(f)	Comply with requirements of (f)(1)(i) through (iii) below	Y	5/3/13
63.6640(f)(1)(i)	No time limit when engine is used for emergencies	Y	5/3/13
63.6640(f)(1)(ii)	Operation of engine for maintenance checks and readiness testing limited to 100 hours per year	Y	5/3/13
63.6640(f)(1)(iii)	Operation of engine for non-emergency and not associated with maintenance checks and readiness testing is limited to 50 hours, which is counted towards the 100 hours per year maximum specified in 63.6640(f)(1)(ii)	Y	5/3/13
63.6645(a)(5)	The notification requirements of 63.6645(a) do not apply to this engine	Y	5/3/13
63.6655(e)	Maintenance Records	Y	5/3/13
63.6655(f)	Record Keeping 1. Record hours of operation 2. Install non-resettable hour meter	Y	5/3/13
63.6660	Instructions for Records	Y	5/3/13
63.6670	Implementation and enforcement of Subpart ZZZZ	Y	5/3/13
BAAQMD Condition #22850			
part 1	50 hours/year for maintenance and testing. (Stationary Diesel Engine ATCM" section 93115.6 (a) or (b), title 17 CCR, Regulation 2, Rule 5)	N	
part 2	Unlimited Emergency Use, (Stationary Diesel Engine ATCM" section 93115.6 (a) or (b), title 17 CCR)	N	
part 3	Totalizing Meter, (Stationary Diesel Engine ATCM" section 93115.10(e), title 17 CCR)	N	
part 4	Recordkeeping, (Stationary Diesel Engine ATCM" section 93115.10(g), title 17 CCR, Regulation 2-6-501)	N	
part 5	Near School Conditions, (Stationary Diesel Engine ATCM" section 93115.6(a) or (b), title 17 CCR)	N	

IV. Source-Specific Applicable Requirements

~~Table IV-O~~
~~FACILITY~~

~~Applicable Requirement~~	~~Regulation Title or Description of Requirement~~	~~Federally Enforceable (Y/N)~~	~~Future Effective Date~~
~~40 CFR 63~~	~~National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions; and Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections, Section 112(g) and 112(j); Final Rule~~		
~~63.52~~	~~Approved process for new and existing affected sources.~~	~~Y~~	
~~63.52(a)~~	~~Sources subject to section 112(j) as of the section 112(j) deadline~~	~~Y~~	
~~63.52(a)(1)~~	~~Submit an application for Title V permit revision~~	~~Y~~	
~~63.52(e)~~	~~Permit application review~~	~~Y~~	
~~63.52(e)(1)~~	~~Submit a Part 2 MACT application meeting the requirements of 63.53(b) for Industrial Boilers, Institutional/Commercial Boilers, and Process Heaters~~	~~Y~~	~~6/27/04~~
~~63.52(h)~~	~~Enhanced monitoring~~	~~Y~~	
~~63.52(h)(i)~~	~~MACT emission limitations~~	~~Y~~	
~~63.52(h)(i)(1)~~	~~Compliance with all requirements applicable to affected sources, including compliance date for affected sources~~	~~Y~~	
~~63.53~~	~~Application content for case-by-case MACT determination~~	~~Y~~	
~~63.53(a)~~	~~Part 1 MACT application~~	~~Y~~	
~~63.53(b)~~	~~Part 2 MACT application~~	~~Y~~	
~~40 CFR 63 Subpart MMMM~~	~~National Emission Standards for Hazardous Air Pollutants; Surface Coating of Miscellaneous Metal Parts and Products; Final Rule (1/2/04)~~ ~~(all requirements except the requirements below will be added by June 2, 2005)~~	~~Y~~	~~1/2/07~~
~~63.3910~~	~~Initial notification~~	~~Y~~	~~5/1/04~~
~~40 CFR 63 Subpart EEEEE~~	~~National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries; Final Rule (4/22/04)~~ ~~(all requirements except the requirements below will be added by October 22, 2005)~~	~~Y~~	~~4/23/07~~
~~63.7700(b) or (c)~~	~~Certification of use of specified materials or operation according to plan for minimization of organics and HAP metals in charge materials~~	~~Y~~	~~4/23/05~~
~~63.7750(b)~~	~~Initial notification~~	~~Y~~	~~8/20/04~~

V. SCHEDULE OF COMPLIANCE

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

~~Because the S-1 Cupola has not been tested for lead emissions since 1993, it is not possible to determine if S-1 is in compliance with the daily lead mass emission rate limit of Regulation 11-1-301. To demonstrate compliance with Regulation 11, Rule 1, section 301 the owner/operator shall perform a source test on S-1 Cupola after abatement by A-3 Afterburner and A-12 Baghouse to determine the lead emission rate in lb/hr. Part 10 has been added to condition #2274 and requires the owner/operator to source test S-1 for lead emissions within 120 days of the issuance of this renewal Title V permit.~~

Because of the replacement of A-12 Cupola Baghouse with A-13 Baghouse, S-1 Cupola must be tested for lead emissions to determine if S-1 is in compliance with the hourly lead mass emission rate limit of Regulation 11-1-301 and AB2588 and the particulate matter (PM) or total metal hazardous air pollutant (HAP) emission rate limit included in 40 CFR Part 63, Subpart ZZZZZ. To demonstrate compliance with Regulation 11-1-301 and with 40 CFR Part 63, Subpart ZZZZZ, the owner/operator shall perform a source test, including submitting a final source test report, for S-1 Cupola after abatement by A-3 Afterburner and A-13 Baghouse to determine the lead emission rate in lb/hr and the PM or total metal HAP emission rates in lb/ton of metal charged. The owner/operator shall perform one source test designed to satisfy the requirements of District regulations and 40 CFR Part 63, Subpart ZZZZZ. Condition #2274, part 10 has been revised to require the owner/operator to perform a source test on for hourly lead, mercury, arsenic, cadmium, nickel, manganese, and chromium emissions with 90 days of installation of A-13 Baghouse. Condition #2274, part 12 has been added to require the owner/operator to ensure that S-1 Cupola complies with the applicable requirements of 40 CFR Part 63, Subpart ZZZZZ.

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

Condition #1783:
For S-4 Ductile Treating Station

1. The sulfur dioxide emissions from S-4 shall not exceed 150 pounds per day. If the District determines that this SO2 emissions limit is exceeded, U.S. Pipe and Foundry shall install a District-approved dry SO2 Scrubbing system. (basis: BACT)

2. S-4 Ductile Treating Station shall be abated by A-10 whenever S-4 is charged with molten iron. (basis: cumulative increase)

3. The operator of A-10 shall install and maintain a mechanical gauge that reads the static pressure differential across the filter bags in inches water column. (basis: cumulative increase)

*4. Dust collected in A-10 Baghouse must only be discharged into closed containers. (basis: BAAQMD Regulation 6-301)

5. The owner/operator of A-10 Baghouse shall maintain a pressure drop across the bags between 1/4 inch and 6 inches water column. The owner/operator shall take proper corrective action within 1 day if the pressure drop across the bags exceeds 6 inches water column or is below 1/4 inch water column. ~~The A-10 cloth filter bags must be cleaned or replaced when the pressure drop across the bags reaches 6 inches of water column.~~ (basis: cumulative increase)

6. The owner/operator of S-4 shall maintain weekly records of preventive maintenance inspections of A-10 baghouse. The preventive maintenance inspection reports shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD ~~r~~Regulation 6-301, BAAQMD Regulation 2-6-501)

7. The owner/operator of S-4 shall maintain weekly records of qualitative visible emissions data of A-10 baghouse using EPA Method 22. The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to district representatives upon request. (basis: BAAQMD ~~r~~Regulation 6-301, BAAQMD Regulation 2-6-501)

8. The owner/operator of S-4 shall not exceed a grey iron throughput of 552 tons

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per day at S-4. (basis: 40 CFR 64)

9. The owner/operator of S-4 shall maintain records of daily grey iron throughput at S-4. The records shall be retained on site for a minimum of five years from the date of entry and be made available to district representatives upon request. (basis: 40 CFR 64)

Condition #2212:
For S-8 Bell Blow Out

1. S-8 shall not be operated unless it is abated by A-20~~17~~ Baghouse. (basis: cumulative increase)

2. The owner/operator of A-20 Baghouse shall maintain a pressure drop across the bags between 1/4 inch and 6 inches water column. The owner/operator shall take proper corrective action within 1 day if the pressure drop across the bags exceeds 6 inches water column or is below 1/4 inch water column.~~The cloth filter bags shall be cleaned when the pressure drop across the bags exceeds 6 inches water column.~~ (basis: cumulative increase)

3. A mechanical gauge shall be installed so as to indicate, in inches water column, the static pressure differential across the bags. (basis: cumulative increase)

4. The owner/operator of S-8 shall maintain weekly records of qualitative visible emissions data of A-20 baghouse roof top emissions using EPA Method 22 or other related methods. The records of visible emission data shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD ~~r~~Regulation 6-301, BAAQMD Regulation 2-6-501)

5. The owner/operator of S-8 shall not exceed a core sand throughput of 5147 tons per year at S-8. (basis: 40 CFR 64)

6. The owner/operator of S-8 shall maintain records of monthly core sand throughput at S-8 totaled over any consecutive 12-month period. The records shall be retained on site for a minimum of five years from the date of entry and be made available to district representatives upon request. (basis: 40 CFR 64)

Condition #2274:
For S-1 Cupola

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1. The owner/operator of Source S-1 Cupola shall not operate Source S-1 Cupola ~~shall not be operated~~ unless it is abated by A-3 Afterburner and A-132 ~~2~~ Baghouse. (basis: cumulative increase)

2. The owner/operator of S-1 shall not exceed a ~~G~~grey iron throughput of ~~at S-1 Cupola shall not exceed~~ 600 tons per day at S-1 Cupola. (basis: BACT, cumulative increase)

3. The S-1 Cupola begins operation when metal is charged into the Cupola. The cupola ends operation after the last charge of metal into the Cupola and last charge is melted out of the cupola. The A-3 Afterburner Combustion chamber shall be operated at the following temperatures whenever S-1 Cupola is operating in the following modes. (Basis: BACT and Cumulative Increase)
~~A-3 Afterburner combustion chamber temperature shall not operate below 1550 degrees Fahrenheit whenever S-1 Cupola is in operation. (basis: BACT, cumulative increase)~~

   a. Cupola: On-Blast/Reduced Blast. On-blast or reduced blast is when the melting process is in operation at either full or reduced operation and the cupola is capable of producing molten metal. The blast air volume through the Cupola is between 11,000 and 14,000 cfm. The Owner/Operator shall maintain the A-3 Afterburner temperature at a minimum of 1550 degrees Fahrenheit on a 15-minute average basis whenever S-1 Cupola is operating in the On-blast or Reduced-Blast modes of operation.

   b. Cupola: Off-Blast. Off-blast is when melting is stopped during operation because of an interruption in production. The Owner/Operator shall not operate the A-3 Afterburner combustion chamber temperature below 700 degrees Fahrenheit whenever S-1 Cupola is in the off blast mode.

   c. Cupola: No-blast. No-blast is after the last charge of metal into the Cupola for the production period till the first charge of metal for the next production period. The blast air volume through the Cupola is below 4000 cfm. The Owner/operator is not subject to an A-3 Afterburner combustion chamber temperature whenever S-1 Cupola is in the No-blast mode.

4. The owner/operator of A-13 Baghouse shall maintain a pressure drop across the bags between 1 inch and 8 inches water column. ~~The A-12 Baghouse cloth filter bags shall be cleaned or replaced when the pressure drop across the bags exceeds 6 inches water column.~~ (basis: BACT, cumulative increase)

5. The owner/operator of A-3 shall install and maintain a continuous temperature

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monitor and recorder to verify the A-3 Afterburner combustion chamber temperature. (basis: BACT, cumulative increase)

6. The owner/operator of S-1 shall maintain records of the daily grey iron throughput at S-1, ~~and~~ A-3 combustion chamber temperature, and daily pressure readings at A-13 in a District-approved log. The records shall be retained on site for a minimum of five years from the date of entry and made available to District representatives upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)

7. The owner/operator of S-1 Cupola shall ensure that the sulfur content of the coke used at S-1, Cupola, shall not exceed 1.0 percent as a surrogate means for ensuring compliance with BAAQMD Regulation 9-1-304. The owner/operator will obtain a certification of the sulfur content of the coke for each delivery to assure compliance with this condition. The fuel certification records shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. In the event the coke sulfur content exceeds 0.75 percent, the owner/operator shall arrange for a one time source test of S-1 at the time said coke is used to demonstrate that higher level of coke sulfur content will not produce gas stream emissions at A-13~~2~~ baghouse that will exceed the limit established in BAAQMD Regulation 9-1-304.

~~**Condition #2274:**~~
~~For S-1 Cupola~~

If the sulfur dioxide emissions do not exceed the limit, the owner/operator shall be allowed to use coke with a sulfur content at or below the sulfur content of the coke used for the source test. In the event the coke sulfur content exceeds the new limit for coke sulfur content established in the source test, the owner/operator shall again arrange for a one time source test of S-1 at the time said coke is used to demonstrate that higher level of coke sulfur content will not produce gas stream emissions at A-13~~2~~ baghouse that will exceed the limit established in BAAQMD Regulation 9-1-304.

The owner/operator shall notify the Source Test Group at the BAAQMD at least three days before any source test is performed. (basis: BAAQMD ~~r~~Regulation 9-1-304, BAAQMD Regulation 2-6-501)

8. The owner/operator of S-1 shall maintain daily records of preventive maintenance inspections of A-13~~2~~ baghouse. The preventive maintenance inspection reports shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD ~~r~~Regulation 6-301, BAAQMD Regulation

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2-6-501)

~~8.~~9. The owner/operator of S-1 shall maintain daily records of qualitative visible emissions data of A-13~~2~~ baghouse using EPA Method 22. The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD ~~r~~Regulation 6-301, BAAQMD Regulation 2-6-501)

10. Within 90 days of installation of A-13 baghouse, ~~T~~the owner/operator of S-1 shall conduct a source test on S-1 for hourly lead, mercury, arsenic, cadmium, nickel, manganese, and chromium emissions ~~within 120 days of the issuance of this permit~~ to demonstrate initial~~determine~~ compliance with Regulation 11-1-301 and satisfy the requirements of AB2588. The source test protocol shall be subject to District review and approval and shall be submitted to the District source test section at least 2 weeks prior to the scheduled source test date. The source test results shall be submitted to the District Engineering Division within 60 days of the source test date. (basis: BAAQMD Regulation 2-1-403, 11-1-301, AB2588)

11. The owner/operator of S-1 shall ensure that the outlet grain loading of total particulate matter for A-13 does not exceed 0.006 grains per dry standard cubic foot. Within 90 days of installation of A-13 baghouse, the owner/operator shall conduct a District-approved source test to demonstrate initial compliance with this condition. Within 90 days of issuance of the Title V renewal permit under Application 21335 and every 3 years thereafter, the owner/operator shall conduct a District approved source test at or near the upper pressure drop limit of 8 inches water column to demonstrate compliance with this condition and with the A-3 temperature requirement in Part 3a. The source test protocol shall be subject to District review and approval and shall be submitted to the District source test section at least 2 weeks prior to the scheduled source test date. The source test results shall be submitted to the District Engineering Division within 60 days of the source test date. (basis: cumulative increase, alteration)

12. The owner/operator of S-1 shall ensure that S-1 complies with the applicable requirements of 40 CFR Part 63 Subpart ZZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Iron and Steel Foundries Area Sources. (basis: 40 CFR Part 63 Subpart ZZZZZ)

13. The owner/operator of A-13 shall install and maintain a mechanical gauge that reads the static pressure differential across the filter bags in inches water column in order to demonstrate compliance with part 4. (basis: cumulative increase)

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Compliance Assurance Monitoring Condition
For S-1 Cupola

14. The pressure drop limit specified in Permit Condition 2274, part 4 shall be maintained in A-13 Baghouse during the period exhaust vapors from S-1 are abated by A-13.[Basis: 40 CFR 64.3(a)(2)]
15. A pressure drop of greater than or equal to 8 inches water column or less than or equal to 1 inch water column shall constitute an excursion. The owner/operator shall initiate an investigation of the control equipment within 24 hours for possible corrective action. If corrective action is required, the facility will proceed to implement such corrective action as soon as practicable. A pressure drop of greater than or equal to 8 inches water column or less than or equal to 1 inch water column in itself does not constitute a violation of the standard for PM. Failure to take corrective action as soon as practicable shall constitute an excursion for the purposes of responding to and reporting excursions under 40 CFR 64.7. [Basis: 40 CFR 64.6(c)(2)]

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16. The owner/operator shall monitor the pressure drop at least once per day at all times A-13 is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. [Basis: 40 CFR 64.7(c)]

17. Upon detecting an excursion, the owner/operator shall restore operation of the S-1 Cupola (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown, or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. [Basis: 40 CFR 64.7(d)(1)

18. In addition to the general reporting requirements of this permit, all reports of excursions shall include all information and documents listed in 40 CFR 64.9(a)(2). [Basis: 40 CFR 64.9(a)]
19. In addition to the general recordkeeping requirements of this permit, all recordkeeping shall include all information and documents listed in 40 CFR 64.9(b). [Basis: 40 CFR 64.9(b)]

~~**Condition #2676:**~~
~~For S-32 Pneumatic Dust Transport System~~

~~1. S-32 shall not be operated unless it is abated by A-19 Baghouse. (basis: cumulative increase)~~

~~2. S-32 shall not be operated more than 11 hours per day. (basis: cumulative increase)~~

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~~3. Particulate emissions from A-19 shall not exceed 0.10 grains per standard cubic foot. (basis: cumulative increase)~~

~~4. The Owner/operator of S-32 shall maintain the automatic shut down capabilities of Pneumatic Dust Transport System. (basis: BAAQMD regulation 6-301)~~

~~5. The owner/operator of S-32 shall maintain daily records of the hours of operation in a District-approved log to demonstrate compliance with part 2 (basis: recordkeeping)~~

Condition #13321:
For S-40 Portable Abrasive Blasting Unit #1 and S-41 Portable Abrasive Blasting Unit #2

1. Gross abrasive blast media (sand) throughput at S-40 shall not exceed 25 tons during any consecutive twelve month period nor exceed 900 pounds during any calendar day. (basis: cumulative increase)

2. The owner/operator~~United States Pipe and Foundry~~ shall notify the District in writing when~~in~~ any blast media other than sand is utilized at S-40. (basis: cumulative increase)

3. The owner/operator of S-40 shall maintain records of daily blast media throughput summarized on a monthly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)

4. Gross abrasive blast media (aluminum oxide grit) throughput at S-41 shall not exceed 5 tons during any consecutive twelve month period nor exceed 1000 pounds during any calendar day. (basis: cumulative increase)

5. The owner/operator ~~United States Pipe and Foundry~~ shall notify the District in writing when~~in~~ any blast media other than aluminum oxide grit is utilized at S-41. (basis: cumulative increase)

~~**Condition #13321:**~~
~~For S-40 Portable Abrasive Blasting Unit #1~~

6. The owner/operator of S-41 shall maintain records of daily blast media throughput summarized on a monthly basis in a District-approved log. These records shall be retained on site for a minimum of five years from the date of entry and made available to District personnel upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)

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Condition #14989
For S-5 Ladle Lancing

1. The owner/operator of S-5 shall maintain daily records of preventive maintenance inspections of A-13~~2~~ baghouse in accordance with permit condition #2274, part 8. (basis: BAAQMD ~~r~~Regulation 6-301)

2. The owner/operator of S-5 shall maintain weekly records of qualitative visible emissions data of A-13~~2~~ baghouse using EPA Method 22 or other related methods in accordance with permit condition #2274, part 9. (basis: BAAQMD ~~r~~Regulation 6-301)

Condition #14990
For S-15 Annealing Oven

1. The owner/operator of S-15 shall maintain monthly records of qualitative visible emission data of S-15 roof top emissions using EPA Method 22 . The records of visible emissions data shall be retained on site for a minimum of five years from the data of entry and be made available to District representatives upon request. (basis: BAAQMD ~~r~~Regulation 6-301, BAAQMD Regulation 2-6-501)

Condition #14991
For S-16 Pneumatic Cement Transport System and Plant

1. The owner/operator of S-16 shall maintain monthly records of qualitative visible emissions data of A-9 baghouse using EPA Method 22 or other related method during cement delivery. The records of visible emissions data shall be retained on site for a minimum of five years from the date of entry and be made available to District representatives upon request. (basis: BAAQMD ~~r~~Regulation 6-301, BAAQMD Regulation 2-6-501)

Condition #16938
For S-42 Cold Cleaner #2 and S-43 Cold Cleaner #3

1. Net usage of Safety-Kleen 105 Solvent at S-42 and S-43 each shall not exceed 15 gallons in any consecutive 12-month period. (basis: Cumulative Increase)

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2. Cleanup solvent other than the material specified in part 1, and/or usage in excess of that specified in part 1, may be used at S-42 or S-43, provided that the Permit Holder can demonstrate that all of the following are satisfied:
   a. Total POC emissions from S-42 and S-43 each does not exceed 101 pounds in any consecutive 12-month period; and
   b. Total NPOC emissions from S-42 and S-43 each does not exceed zero pounds in any consecutive 12-month period; and
   c. The use of these materials does not increase toxic emissions above any risk screening trigger level.

   (basis: Cumulative Increase, Toxic Risk Management Policy)

3. To determine compliance with the above conditions, the Permit Holder shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including the following information:
   a. Type and monthly usage of all POC and NPOC containing materials used;
   b. If a material other than those specified in part 1 is used, POC, NPOC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with part 2, on a monthly basis;
   c. Monthly usage and/or emission calculations shall be totaled for each consecutive 12-month period.

   All records shall be retained on-site for a minimum of two years ~~,~~ from the date of entry of the records, and made available for inspection by District staff upon request. These requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations. (basis: Cumulative Increase and Toxic Risk Management Policy)

Condition# 18432
For S-33 Gasoline
Dispensing Facility

1. Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 940,000 gallons in any consecutive 12 month period. (basis: Toxic Risk Management Policy)

2. The Static Pressure Performance Test (Leak Test) ST-38 shall be successfully conducted at least once in each twelve consecutive month period after the date of successful completion of the startup Static Pressure Performance Test. Test results shall be submitted to BAAQMD within 20 days of the test date. (basis: Executive Order G-70-132-B)

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~~**Condition # 20974**~~
~~For S-51 and S-52 Standby Generator Diesel Engines~~

~~1. The owner/operator shall insure that the sulfur content of all diesel fuel combusted at S-51 and S-52 Standby Generator Diesel Engines does not exceed 0.05% by weight. (basis: Regulation 9, Rule 1)~~

~~2. The owner/operator shall maintain monthly records of fuel sulfur content certifications from the fuel supplier to demonstrate compliance with part 1. The owner/operator shall maintain these records on-site in a District-approved log for a minimum of 5 years from the date of entry and provide them to District personnel upon request. (Basis: recordkeeping)~~

Condition #22850
For S-52 Standby Generator Diesel Engine

1. Operating for reliability-related activities is limited to 50 hours per year per engine. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]

2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating hours while mitigating emergency conditions or while emission testing to show compliance with District, State or federal emission limits is not limited.
[Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]

3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.
[Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]

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

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location or at the engine's location, and made immediately available to the District staff upon request.

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

[Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g), or (Regulation 2-6-501)]

5. At School and Near-School Operation:

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

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

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

[Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1)]

Condition #20671
For S-17 Surface Coater

1. The owner/operator of S-17 Surface Coater shall not use the following materials in excess of the specified limits, in any consecutive twelve month period:

Material	Annual Throughput Limit
MPFC-S-1.0 coating	156,000 gallons
3508 Thinner	5,200 gallons

(basis: Regulation 2-2-201.2)

VI. Permit Conditions

Condition #20671
For S-17 Surface Coater

2. The owner/operator of S-17 may use coatings and cleanup solvents other than the materials specified in Condition 1, and/or usages in excess of those specified in part 1, provided that the owner/operator can demonstrate that both of the following are satisfied:

   a. Total POC emissions from S-17 do not exceed 94.9 tons in any consecutive 12-month period;
   b. The use of these materials does not increase toxic emissions above any risk screening trigger level.
   (basis: Regulation 2-2-201.2, Toxic Risk Screen)

3. To determine compliance with the above conditions, the owner/operator shall maintain the following monthly records and provide all of the data necessary to evaluate compliance with the above conditions, including, but not necessarily limited to, the following information:

   a. Maintain a current list of coatings in use, which provides all of the data necessary to evaluate compliance, including the following information, as applicable.
      1. VOC content of coating as applied
      2. VOC content of surface preparation and cleanup solvents, as applied

   b. Record the following information on a weekly basis, as applicable:
      1. coating and mix ratio of components in the coating used as applied
      2. quantity of each coating applied
      3. type and amount of solvent used for cleanup and surface preparation

   The owner/operator shall record all records in a District-approved log. The owner/operator shall retain all records on-site for two years, from the date of entry of the records, and make them available for inspection by District staff upon request. These record-keeping requirements shall not replace the record-keeping requirements contained in any applicable District Regulations.
   (basis: Regulation 2-2-201.2, Regulation 1-441, Regulation 8-19-501)

VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

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

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

Table VII-A
S-1 Cupola

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor
	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #2274, Part 8	P/D	preventative maintenance records
	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #2274, Part ~~9~~8	P/D~~W~~	Visible emission monitoring
	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ≤3 minutes aggregated in any hour	40 CFR 63.10897	C	temperature monitor, pressure drop monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
S-1 Cupola

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD 6-1-305 and SIP 6-305	Y		Fallout of visible particles	BAAQMD condition #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor
FP	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor
	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 gr/dscf	40 CFR 63.10897	C	temperature monitor, pressure drop monitor
FP	BAAQMD 6-1-311 and SIP 6-311	Y		40 lb/hr	BAAQMD condition #2274, Parts 4 and 5	C	Temperature monitor, pressure drop monitor
	BAAQMD 6-1-311 and SIP 6-311	Y		40 lb/hr	40 CFR 63.10897	C	temperature monitor, pressure drop monitor
SO_2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		sulfur emissions not to exceed 300 ppm, dry	BAAQMD condition #2274, part 7	P/E P/E	Fuel certification; Source test when coke sulfur exceeds 0.75%

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
S-1 Cupola

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD 9-1-304	Y		Sulfur content of solid fuel limited to ensure SO2≤300ppmd	BAAQMD condition #2274, part 7	P/E	Fuel certification; Source test when coke sulfur exceeds 0.75%
SO2	BAAQMD Condition #2274, part 7	Y		Sulfur content of coke not to exceed 1.0%	BAAQMD condition #2274, part 7	P/E	Fuel certification
Lead	BAAQMD 11-1-301	Y		15 lb/day	BAAQMD condition #2274, part 10	P/E~~N~~	Initial Source Test
	BAAQMD 11-1-302	Y		GLC[1] not to exceed 1.0 ug/m^3 averaged over 24 hrs	BAAQMD condition #2274, part 10	P/E~~N~~	Initial Source Test
PM	40 CFR 63.10895(c)	Y		0.8 pounds of PM per ton of metal charged	40 CFR 63.10898	P/E	Initial Performance Test
HAP	40 CFR 63.10895(c)	Y		0.06 pounds of total metal HAPs per ton of metal charged	40 CFR 63.10898	P/E	Initial Performance Test
Grey iron through-put	BAAQMD Condition #2274, part 2	Y		600 tons per day	BAAQMD condition #2274, part 6	P/~~,~~D	Records
After-burner Tempera-ture limit (On-Blast/ Reduced Blast)	BAAQMD Condition #2274, part 3	Y		1550oF	BAAQMD condition #2274, part 5	C	Continuous Temperature monitor/ recorder

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-A
S-1 Cupola

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
After-burner Tempera-ture limit (Off-Blast)	BAAQMD Condition #2274, part 3	Y		≥700oF	BAAQMD condition #2274, part 5	C	Continuous Temperature monitor/ recorder
Baghouse Pressure Drop	BAAQMD Condition #2274, part 4	Y		Pressure drop across bags not to exceed 8 inches water column or to fall below 1 inch water column	BAAQMD condition #2274, part 5	C	Pressure drop monitor
TSP	BAAQMD Condition #2274, part 11	Y		0.006 gr/dscf	BAAQMD condition #2274, part 11	N	Source Test

[1] Ground Level Concentration

Table VII-B
S-4 Ductile Treating Station

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #1783, Part 3	C	pressure drop monitor
	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #1783, Part 6	P/W	preventative maintenance records
	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #1783, Part 7	P/W	Visible emission monitoring

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-B
S-4 Ductile Treating Station

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
PM	BAAQMD 6-1-305 and SIP 6-305	Y		Fallout of visible particles	BAAQMD condition #1783, Part 3	C	Pressure drop monitor
FP	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #1783, Part 3	C	Pressure drop monitor
FP	BAAQMD 6-1-311 and SIP 6-311	Y		40 lb/hr	BAAQMD condition #1783, Part 3	C	Pressure drop monitor
Lead	BAAQMD 11-1-301	Y		15 lb/day		N	
	BAAQMD 11-1-302	Y		GLC[1] not to exceed 1.0 ug/m^3 averaged over 24 hrs		N	
SO_2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	9-1-302	Y		sulfur emissions not to exceed 300 ppm, dry		N	
SO2	BAAQMD Condition #1783, part 2	Y		150 lb/day		N	
Baghouse Pressure Drop~~Bag cleaning or replacement~~	BAAQMD Condition #1783, part 5	Y		Pressure drop across bags not to exceed 6 inches water column or to fall below 1/4 inch water column~~Bag cleaning or replacement required when pressure drop exceeds 6 inches water column~~	BAAQMD Condition #1783, part 3	C	Pressure drop monitor

[1] Ground Level Concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-C
S-5 Ladle Lancing

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #14989, Part 1	P/D	preventative maintenance records
	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #14989, Part 2	P/W	Visible emission monitoring
	BAAQMD 6-1-305 and SIP 6-305	Y		Fallout of visible particles		N	
FP	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 gr/dscf		N	
	BAAQMD 6-1-311 and SIP 6-311	Y		40 lb/hr		N	

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-D
S-8 Bell Blowout

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #2212, Part 3	C	pressure drop monitor
	BAAQMD 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #2212, Part 4	P/W	Visible emission monitoring
PM	BAAQMD 6-1-305 and SIP 6-305	Y		Fallout of visible particles	BAAQMD condition #2212, Part 3	C	pressure drop monitor
FP	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 gr/dscf	BAAQMD condition #2212, Part 3	C	pressure drop monitor
	BAAQMD 6-1-311 and SIP 6-311	Y		40 lb/hr	BAAQMD condition #2212, Part 3	C	pressure drop monitor
~~Bag cleaning or replacement~~Baghouse Pressure Drop	BAAQMD Condition #2212, part 2	Y		Pressure drop across bags not to exceed 6 inches water column or to fall below 1/4 inch water column~~Bag cleaning or replacement required when pressure drop exceeds 6 inches water column~~	BAAQMD Condition #2212, part 3	C	Pressure drop monitor

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-E
S-15 Annealing 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 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #14990, Part 1	P/M	Visible emission monitoring
PM	BAAQMD 6-1-305 and SIP 6-305	Y		Fallout of visible particles		N	
FP	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 gr/dscf		N	
FP	BAAQMD 6-1-311 and SIP 6-311	Y		40 lb/hr		N	
SO_2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		sulfur emissions not to exceed 300 ppm, dry		N	

[1] Ground Level Concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-F
S-16 Pneumatic Cement Transport 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 6-1-301 and SIP 6-301	Y		Ringelmann No.1 ~~for less than~~ ≤3 minutes aggregated in any hour	BAAQMD condition #14991, Part 1	P/M	Visible emission monitoring
PM	BAAQMD 6-1-305 and SIP 6-305	Y		Fallout of visible particles		N	
FP	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 gr/dscf		N	
	BAAQMD 6-1-311 and SIP 6-311	Y		40 lb/hr		N	

Table VII-G
S-17 Surface Coater

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-19-302.2	Y		VOC limit of 2.8 lb/gal	BAAQMD 8-19-501	P/W	coating records
	BAAQMD Condition #20671, part 1	Y		Coating usage limit of 156,000 gallons per year; solvent usage limit of 5,200 gallons per year	BAAQMD Condition #20671, part 3	P	Coating and solvent usage records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-G
S-17 Surface Coater

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition #20671, part 2	Y		Alternative coating/solvent mass emission limit of 94.9 tons per year	BAAQMD Condition #20671, part 3	P	Coating and solvent usage records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-H
S-32 Pneumatic Dust Transport 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 6-1-301	Y		Ringelmann No.1 for less than 3 minutes in any hour		N	
PM	BAAQMD 6-1-305	Y		Fallout of visible particles		N	
FP	BAAQMD 6-1-310	Y		0.15 gr/dscf		N	
	BAAQMD 6-1-311	Y		40 lb/hr		N	
FP	BAAQMD Condition #2676, part 3	Y		grain loading from A-19 Baghouse not to exceed 0.10 gr/dscf		N	
Lead	BAAQMD 11-1-301	Y		15 lb/day		N	
	BAAQMD 11-1-302	Y		GLC[1] not to exceed 1.0 ug/m^3 averaged over 24 hrs		N	
Hours of operation	BAAQMD Condition #2676, part 2	Y		11 hours per day	BAAQMD Condition #2676, part 5	P	Operating records

[1] Ground Level Concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-H~~I~~
S-33 Gasoline Dispensing Facility (Non-Retail)

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-7-301.10	N		minimum vapor recovery efficiency of lesser of 98% or CARB-certified efficiency for new or modified systems	BAAQMD Condition #18432, part 2	P/A	Source Test
	BAAQMD Regulation 8-7-313.1	N		Fugitives $\leq$ 0.42 lb/1000 gallon		N	
	BAAQMD Regulation 8-7-313.2	N		Spillage $\leq$ 0.42 lb/1000 gallon		N	
	BAAQMD Regulation 8-7-313.3	N		Liquid Retain + Spitting $\leq$ 0.42 lb/1000 gallon		N	
	None	N		None	BAAQMD Regulation 8-7-503	P/M	Records
	SIP Regulation 8-7-301.2	Y		95% recovery of gasoline vapors		N	
Gasoline throughput	BAAQMD condition #18432, part 1	Y		940,000 gallons per year	BAAQMD Regulation 8-7-503	P	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~I~~J
S-40 Portable Abrasive Blasting Unit #1

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 12-4-301	Y		Ringelmann No. 1 Limitation		N	
	BAAQMD 12-4-302	Y		Ringelmann No. 2 Limitation		N	
Usage	BAAQMD Condition 13321, part 1	Y		12 tons per 12-month period or 243 lbs per calendar day	BAAQMD Condition 13321, part 3	P/D	records

Table VII-J~~K~~
S-41 Portable Abrasive Blasting Unit #2

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 12-4-301	Y		Ringelmann No. 1 Limitation		N	
	BAAQMD 12-4-302	Y		Ringelmann No. 2 Limitation		N	
Usage	BAAQMD Condition 13321, part 4	Y		1.5 tons per 12-month period or 1000 lbs per calendar day	BAAQMD Condition 13321, part 6	P/D	records

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII-~~K~~L
S-42 Cold Cleaner #2
S-43 Cold Cleaner #3

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD Condition #16938, part 2(a)	Y		101 pounds per year	BAAQMD Condition #16938, part 3	P	Usage Records
NPOC	BAAQMD Condition #16938, part 2(b)	Y		0 pounds per year	BAAQMD Condition #16938, part 3	P	Usage Records

Table VII - L~~M~~
Applicable Limits and Compliance Monitoring Requirements
~~S-51 STANDBY GENERATOR DIESEL ENGINE~~
S-52 STANDBY GENERATOR DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303.1 and SIP 6-303.1	Y		~~>~~ Ringelmann No. 2 ~~for no more than~~ ≤3 minutes aggregated in any hour		N	
FP	BAAQMD 6-1-310 and SIP 6-310	Y		0.15 grain/dscf		N	
	BAAQMD 6-1-310.3 and SIP 6-310.3	Y		0.15 grain/dscf @ 6% O2		N	

VII. Applicable Emission Limits & Compliance Monitoring Requirements

Table VII - L~~M~~
Applicable Limits and Compliance Monitoring Requirements
~~S-51 STANDBY GENERATOR DIESEL ENGINE~~
S-52 STANDBY GENERATOR DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	BAAQMD Condition #20974, part 1	P/M	Fuel Certification Records
	BAAQMD 9-1-304	Y		sulfur emissions not to exceed 300 ppm, dry	BAAQMD Condition #20974 part 1	P/M	Fuel Certification Records
Operating hours	BAAQMD 9-8-330	Y		100 hours of reliability-related operation per calendar year until 1/1/12 50 hours of reliability-related operation per calendar year as of 1/1/12	BAAQMD Regulation 9-8-530	P/M	Records of operation

VIII. TEST METHODS

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

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-303	Ringelmann No. 2 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-1-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 8-1-110.3	Exemption, process subject to Regulation 8, Rule 2 or 4	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Method 25 or 25A.
BAAQMD 8-2-301	Miscellaneous Operations	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling or EPA Method 25 or 25A.
BAAQMD 8-5-117	Exemption, Low Vapor Pressure	Manual of Procedures, Volume III, Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks
BAAQMD & SIP 8-7-301.1	Phase I Requirements	Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
BAAQMD & SIP 8-7-301.2	Phase I Requirements	Manual of Procedures, Volume IV, ST-36, Gasoline Dispensing Facility Phase I Volumetric Efficiency
BAAQMD & SIP 8-7-301.6	Phase I Requirements	Manual of Procedures, Volume IV, ST-30, Gasoline Vapor Recovery Leak Test Procedure

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-7-302	Phase II Vapor Recovery Requirements	Manual of Procedures, Volume IV, ST-30, Vapor Tightness; ST-37, Liquid Removal; and ST-41, Liquid Retain and Spitting from Nozzles
BAAQMD 8-19-302.2	Coating VOC Content	Manual of Procedures, Volume III, Method 21 or 22
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling
BAAQMD & SIP 11-1-301	Daily Limitation, Lead	Manual of Procedures, Volume IV, ST-9, Lead
SIP 12-4-301	Ringelmann 1 Limitations	Manual of Procedures, Volume I, Part 1, Evaluation of Visible Emissions
BAAQMD 12-4-302	Ringelmann 2 Limitations	Manual of Procedures, Volume I, Part 1, Evaluation of Visible Emissions
BAAQMD & SIP 12-4-305.1	Standard for abrasives before blasting	Test Method No. California 371-A
BAAQMD & SIP 12-4-305.1	Standard for abrasives after blasting	Test Method No. California 371-A
BAAQMD Condition #2274, part 11	Limitation on A-13 Baghouse Outlet Grain Loading	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or EPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources

IX. Revision History

Title V Permit Issuance:	**July 1, 1997**
Minor Revision:	**May 7, 2002**
Renewal:	**June 8, 2005**
Renewal #2 (Application No: 21335):	**(DATE)**

X. 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.

DWT
Dead Weight Ton

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.

X. Glossary

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

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

FR
Federal Register

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grains
1/7000 of a pound

Graphitic
Made of graphite.

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

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.

X. Glossary

Long ton
2200 pounds

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

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

MOP
The District's Manual of Procedures.

MSDS
Material Safety Data Sheet

NA
Not Applicable

NAAQS
National Ambient Air Quality Standards

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

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
Oxides of nitrogen.

X. Glossary

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

NSR
New Source Review. A federal program for preconstruction 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 cumulative increase minus any on site 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
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.

X. Glossary

SCR
A "selective catalytic reduction" unit is an abatement device that reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

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

SO2
Sulfur dioxide

SO3
Sulfur trioxide

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Unit

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

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

TRMP
Toxic Risk Management Plan

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

TSP
Total Suspended Particulate

TVP
True Vapor Pressure

X. Glossary

VOC
Volatile Organic Compounds

Units of Measure:

bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celcius
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
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