

# Bay Area Air Quality Management District

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

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**Final**

## MAJOR FACILITY REVIEW PERMIT

**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**  
James E. Kelly, Plant Manager  
510) 441-5814

**Facility Contact**  
Rodney M. Helfrich, Environmental Engineer  
(510) 441-5865

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**Type of Facility:** Ductile Iron Foundry  
**Primary SIC:** 3321  
**Product:** Ductile Iron Pressure Pipe

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

Signed by Ellen Garvey  
Ellen Garvey, Air Pollution Control Officer

July 1, 1997  
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 11/3/93);
- SIP Regulation 1 - General Provisions and Definitions  
(as approved by EPA through 11/10/82);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements  
(as amended by the District Board on 6/7/95);
- SIP Regulation 2, Rule 1 - Permits, General Requirements  
(as approved by EPA through 6/23/95);
- BAAQMD Regulation 2, Rule 2 - Permits, New Source Review  
(as amended by the District Board on 6/7/95);
- SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration  
(as approved by EPA through 10/19/84); and
- BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking  
(as amended by the District Board on 6/15/94).

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

1. This Major Facility Review Permit expires on July 1, 2002. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than January 1, 2002, and no earlier than July 1, 2001. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after June 30, 2002.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

## **I. Standard Conditions (continued)**

5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or 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, nor any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions 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)

### **C. Requirement to Pay Fees**

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

### **D. Inspection and Entry**

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

### **E. Records**

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)

## **I. Standard Conditions (continued)**

### **F. Monitoring Reports**

All required monitoring reports must be submitted to the District at least once every six months. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported to the District's Compliance and Enforcement Division within 10 days of the discovery of the incident. Within 30 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. (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 must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division, 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 caused by conditions beyond the permit holder's reasonable control 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.

## **I. Standard Conditions (continued)**

Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval. (MOP Volume II, Part 3, §4.8)

3. Notwithstanding the foregoing, 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 unless the Major Facility Review Permit has been modified pursuant to Regulation 2, Rule 6. (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. 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

### A. Permitted Source List

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2-1-302.

**Table II-A**

S-#	Description	Make or Type	Model	Capacity
S-1	Cupola (coke)	U.S. Pipe	None	55 ton/hr, 182 MM BTU/hr
S-4	Ductile Treating Unit	U.S. Pipe	None	55 ton/hr,
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, liquid petroleum gas)	U.S. Pipe	None	55 ton/hr, 88 MM BTU/hr
S-16	Pneumatic Cement 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)	Unknown	Unknown	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-32000	Miscellaneous Fuel Burning Sources	U.S. Pipe	Unknown	Unknown

## II. Equipment List (Continued)

### B. Abatement Device List

**Table II-B**

A-#	Description	Source(s) Controlle d	Applicable Requirement	Operating Parameters	Required Efficiency
A-3	Cupola Afterburner (natural gas, liquid petroleum gas)	S-1 Cupola	District Cond #2274, part 3	Minimum operating temperature of 1550°F	None
A-5	Mold Sandblast Baghouse	S-7 Mold Sandblast	BAAQMD Reg. 6-310	None	Grain loading not to exceed 0.15 gr/dscf
A-9	Pneumatic Cement Transport Baghouse	S-16 Pneumatic Cement Transport	BAAQMD Reg. 6-310	None	grain loading not to exceed 0.15 gr/dscf
A-10	Ductile Treater Baghouse	S-4 Ductile Treating Units	BAAQMD Reg. 6-301	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 Cond #2274, part 4	Pressure drop across bags not to exceed 6 inches water column	None
A-19	Dust Collector	S-32 Pneumatic Dust Transport	District Condition #2676, part 3	None	grain loading shall not exceed 0.10 gr/dscf
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	None



### III. GENERAL 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.

The dates in parenthesis 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
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

Where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit.

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (11/3/93)	N
SIP Regulation 1	General Provisions and Definitions (11/10/82)	Y
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 (11/2/94)	N

### III. General Applicable Requirements (continued)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 5	Open Burning (5/3/84)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (5/3/84)	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 3	Organic Compounds - Architectural Coatings (12/20/95)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/16/83)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (5/3/84)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	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 parenthesis 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
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. Additionally, where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit. 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
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No.1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
<b>SIP Regulation 6</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No.1 Limitation	Y <sup>1</sup>	

<sup>1</sup> 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 (continued)**

**Table IV-A (continued)  
 S-1 Cupola**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitation	Y	
<b>SIP Regulation 9, Rule 1</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE          Inorganic Gaseous Pollutants - Sulfur Dioxide (5/3/84)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
<b>BAAQMD Regulation 11, Rule 1</b>	<b>Lead (3/17/82)</b>		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
<b>BAAQMD Condition #2274</b>			
part 1	A-3 Afterburner and A-12 Baghouse Abatement Requirement (basis: cumulative increase)	Y	
part 2	Limitation on Daily Hours of Operation (basis: cumulative increase)	Y	
part 3	Minimum A-3 Afterburner Combustion Chamber Temperature (basis: cumulative increase)	Y	
part 4	A-12 Baghouse maintenance requirement (basis: cumulative increase)	Y	
part 5	A-3 Afterburner temperature monitor and recorder (basis: cumulative increase)	Y	
part 6	Recordkeeping Requirement (basis: cumulative increase)	Y	
part 7	SO2 monitoring (Regulation 9-1-301, Regulation 2-6-501)	Y	
part 8	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	
part 9	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	

**IV. Source-Specific Applicable Requirements (continued)**

**Table IV-B  
S-4 Ductile Treating Unit**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No.1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
<b>SIP Regulation 6</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No.1 Limitation	Y <sup>1</sup>	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitation	Y	
<b>SIP Regulation 9, Rule 1</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE Inorganic Gaseous Pollutants - Sulfur Dioxide (5/3/84)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
<b>BAAQMD Regulation 11, Rule 1</b>	<b>Lead (3/17/82)</b>		
11-1-301	Daily Limitation	Y	
11-1-302	Ground Level Concentration Without Background	Y	
<b>BAAQMD Condition #1783</b>			
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 6-301)	Y	
part 5	A-10 Baghouse maintenance requirement (basis: cumulative increase)	Y	
part 6	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	
part 7	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	

#### **IV. Source-Specific Applicable Requirements (continued)**

- <sup>1</sup> 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 (continued)

**Table IV-C  
 S-5 Ladle Lancing**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No.1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
<b>SIP Regulation 6</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE          Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No.1 Limitation	Y <sup>1</sup>	
<b>BAAQMD Condition #14989</b>			
part 1	Baghouse maintenance (Regulation 6-301, Regulation 2-6-501)	Y	
part 2	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	

<sup>1</sup> 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 (continued)**

**Table IV-D  
 S-8 Bell Blowout**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No.1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
<b>SIP Regulation 6</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE          Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No.1 Limitation	Y <sup>1</sup>	
<b>BAAQMD Condition #2212</b>			
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 6-301, Regulation 2-6-501)	Y	

<sup>1</sup> 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 (continued)

**Table IV-E  
 S-15 Annealing Oven**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No.1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
<b>SIP Regulation 6</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No.1 Limitation	Y <sup>1</sup>	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission Limitation	Y	
<b>SIP Regulation 9, Rule 1</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE Inorganic Gaseous Pollutants - Sulfur Dioxide (5/3/84)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
<b>BAAQMD Condition #14990</b>			
part 1	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	

<sup>1</sup> 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 (continued)

**Table IV-F**  
**S-16 Pneumatic Cement Transport System**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No.1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
<b>SIP Regulation 6</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No.1 Limitation	Y <sup>1</sup>	
<b>BAAQMD Condition #14991</b>			
part 1	Visible emissions monitoring (Regulation 6-301, Regulation 2-6-501)	Y	

<sup>1</sup> 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-G**  
**S-17 Surface Coater**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 19</b>	<b>Surface Coating of Miscellaneous Metal Parts and Products</b>		
8-19-302	Limits	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-501	Records	N	

#### IV. Source-Specific Applicable Requirements (continued)

**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
<b>BAAQMD Regulation 8, Rule 5</b>	<b>Storage of Organic Liquids (1/1/93)</b>		
8-5-301	Standards - Storage Tanks Smaller than 150m <sup>3</sup>	Y	
8-5-328	Tank Cleaning Requirements	Y	
8-5-501	Records	Y	

**Table IV-I**  
**S-32 Pneumatic Dust Transport System**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (7/11/90)</b>		
6-301	Ringelmann No.1 Limitation	N	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-311	General Operations	Y	
<b>SIP Regulation 6</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE</b>		
	<b>Particulate Matter and Visible Emissions (12/19/90)</b>		
6-301	Ringelmann No.1 Limitation	Y <sup>1</sup>	
<b>BAAQMD Condition #2676</b>			
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	

<sup>1</sup> 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

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#### **IV. Source-Specific Applicable Requirements (continued)**

the regulation.

**IV. Source-Specific Applicable Requirements (continued)**

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

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 7</b>	<b>Organic Compounds - Gasoline Dispensing Facilities (6/1/94)</b>		
8-7-112	Phase II Exemptions	Y	
8-7-112.7	Exemption - Older Facilities with Low Annual Throughput	Y	
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	Poppeted Drybreaks	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-308	Operating Practices	Y	
8-7-312	Removal of Gasoline	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-404	Certification of New Installations	Y	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
<b>BAAQMD Condition #708</b>			
part 1	Annual throughput (basis: Regulation 8-7-112.7)	Y	

**IV. Source-Specific Applicable Requirements (continued)**

**Table IV-K  
 S-40 Portable Abrasive Blasting Unit #1  
 S-41 Portable Abrasive Blasting Unit #2**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 12, Rule 4</b>	<b>Sandblasting (7/11/90)</b>		
12-4-301	Ringelmann 1 Limitation	N	
12-4-302	Ringelmann 2 Limitation	Y	
12-4-305	Performance Standards for Abrasives	Y	
12-4-306	Certification of Abrasives	Y	
<b>SIP Regulation 12, Rule 4</b>	<b>PROVISIONS NO LONGER IN CURRENT RULE Miscellaneous Standards of Performance Sandblasting (12/4/79)</b>		
12-4-301	Ringelmann Number 1 Limitation	Y	
12-4-304	Performance Standards for Other Abrasive Blasting	Y	
<b>BAAQMD Condition #13321</b>			
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	

<sup>1</sup> 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.

## 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.

## VI. PERMIT CONDITIONS

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

### A. Source Specific Permit Conditions

#### **Condition #2274:**

For S-1 Cupola

1. Source S-1 Cupola shall not be operated unless it is abated by A-3 Afterburner and A-12 Baghouse. (basis: cumulative increase)
2. S-1 Cupola shall not be operated more than 11 hours per day. (basis: cumulative increase)
3. A-3 Afterburner combustion chamber temperature shall not operate below 1550 degrees Fahrenheit whenever S-1 Cupola is in operation. (basis: cumulative increase)
4. 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: cumulative increase)
5. The owner/operator of A-3 shall install and maintain a continuous temperature monitor and recorder to verify the A-3 Afterburner combustion chamber temperature. (basis: cumulative increase)
6. The owner/operator of S-1 shall maintain records of the daily hours of operation of S-1 and A-3 combustion chamber temperature in a District-approved log. The records shall be retained on site for a minimum of five years

## VI. Permit Conditions (continued)

### A. Source Specific Permit Conditions (continued)

from the date of entry and made available to District representatives upon request.  
(basis: cumulative increase, BAAQMD Regulation 2-6-501)

#### **Condition #2274:**

For S-1 Cupola

7. 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-12 baghouse that will exceed the limit established in BAAQMD Regulation 9-1-304.

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-12 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 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-12 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 regulation 6-301, BAAQMD Regulation 2-6-501)
9. The owner/operator of S-1 shall maintain weekly records of qualitative visible emissions data of A-12 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:



**VI. Permit Conditions (continued)**

**A. Source Specific Permit Conditions (continued)**

BAAQMD regulation 6-301, BAAQMD Regulation 2-6-501)

## VI. Permit Conditions (continued)

### A. Source Specific Permit Conditions (continued)

**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 SO<sub>2</sub> emissions limit is exceeded, U.S. Pipe and Foundry shall install a District-approved dry SO<sub>2</sub> 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 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 regulation 8-301, 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 regulation 6-301, BAAQMD Regulation 2-6-501)

## VI. Permit Conditions (continued)

### A. Source Specific Permit Conditions (continued)

#### **Condition #2212:**

For S-8 Bell Blow Out

1. S-8 shall not be operated unless it is abated by A-17 Baghouse. (basis: cumulative increase)
2. 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 regulation 6-301, BAAQMD Regulation 2-6-501)

#### **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 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 A9 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 regulation 6-301,

## VI. Permit Conditions (continued)

### A. Source Specific Permit Conditions (continued)

BAAQMD Regulation 2-6-501)

#### **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)
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)

#### **Condition #708:**

For S-33 Gasoline Dispensing Facility (Non-Retail)

1. Pursuant to Regulation 8-7-112.7, this facility's annual gasoline throughput shall not exceed 60,000 gallons. (basis: BAAQMD Regulation 8-7-112.7)

#### **Condition #13321:**

For S-40 Portable Abrasive Blasting Unit #1

1. Gross abrasive blast media (sand) throughput at S-40 shall not exceed 12 tons during any consecutive twelve month period nor 243 pounds during any calendar day. (basis: cumulative increase)
2. United States Pipe and Foundry shall notify the District in writing 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

## **VI. Permit Conditions (continued)**

### **A. Source Specific Permit Conditions (continued)**

entry and made available to District personnel upon request. (basis: cumulative increase, BAAQMD Regulation 2-6-501)

#### **Condition #13321:**

For S-41 Portable Abrasive Blasting Units #2

1. Gross abrasive blast media ( aluminum oxide grit) throughput at S-41 shall not exceed 1.5 tons during any consecutive twelve month period nor 1000 pounds during any calendar day. (basis: cumulative increase)
2. United States Pipe and Foundry shall notify the District in writing in any blast media other than aluminum oxide grit is utilized at S-41. (basis: cumulative increase)
3. 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)

### **B. Facility-wide Permit Conditions**

None

## 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, either 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.

**Table VII-A  
S-1 Cupola**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	N		Ringelmann No.1	BAAQMD cond #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor
	BAAQMD 6-305	Y		Fallout of visible particles	BAAQMD cond #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor
	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD cond #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor
	BAAQMD 6-311	Y		40 lb/hr	BAAQMD cond #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor

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## **VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)**

**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
 (continued)**

**Table VII-A (continued)  
 S-1 Cupola**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	SIP 6-301	Y		Ringelmann No. 1	BAAQMD cond #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Cond #2274, Part 8	P/D	preventative maintenance records
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Cond #2274, Part 8	P/W	Visible emission monitoring
SO <sub>2</sub>	BAAQMD 9-1-301	N		GLC <sup>1</sup> 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%
	SIP 9-1-301	Y		Federal std: GLC <sup>3</sup> of 140 ppb, 24-hr average, once/yr and 30 ppb, annual average State std: GLC <sup>3</sup> of 40 ppb, 24-hr average, and 250 ppb, 1 hr average			



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## **VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)**

<sup>1</sup>Ground Level Concentration

**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
 (continued)**

**Table VII-A (continued)  
 S-1 Cupola**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO <sub>2</sub>	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		N	
	BAAQMD 11-1-302	Y		glc <sup>1</sup> not to exceed 1.0 ug/m <sup>3</sup> averaged over 24 hrs		N	

<sup>1</sup>Ground Level Concentration

**Table VII-B  
 S-4 Ductile Treating Station**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann No.1	BAAQMD cond #1783, Part 3	C	pressure drop monitor
	BAAQM D 6-305	Y		Fallout of visible particles	BAAQMD cond #1783, Part 3	C	pressure drop monitor
	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD cond #1783, Part 3	C	pressure drop monitor
	BAAQM D 6-311	Y		40 lb/hr	BAAQMD cond #1783, Part 3	C	pressure drop monitor
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD cond #1783, Part 3	C	pressure drop monitor

**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
(continued)**

**Table VII-B (continued)  
S-4 Ductile Treating Station**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Cond #1783, Part 6	P/W	preventative maintenance records
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Cond #1783, Part 7	P/W	Visible emission monitoring
Lead	BAAQM D 11-1-301	Y		15 lb/day		N	
	BAAQM D 11-1-302	Y		GLC <sup>1</sup> not to exceed 1.0 ug/m <sup>3</sup> averaged over 24 hrs		N	
SO <sub>2</sub>	BAAQM D 9-1-301	N		GLC <sup>1</sup> 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	
	SIP 9-1-301	Y		Federal std: GLC <sup>1</sup> of 140 ppb, 24-hr average, once/yr and 30 ppb, annual average State std: GLC <sup>1</sup> of 40 ppb, 24-hr average, and 250 ppb, 1 hr average		N	
	BAAQM D Condition #1783, part 2	Y		150 lb/day		N	

<sup>1</sup>Ground Level Concentration

**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
(continued)**

**Table VII-C  
S-5, Ladle Lancing**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann No.1		N	
	BAAQM D 6-305	Y		Fallout of visible particles		N	
	BAAQM D 6-310	Y		0.15 gr/dscf		N	
	BAAQM D 6-311	Y		40 lb/hr		N	
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD cond #14989, Part 1	P/D	preventative maintenance records
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Cond #14989, Part 2	P/W	Visible emission monitoring

**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
(continued)**

**Table VII-D  
S-8 Bell Blowout**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann No.1	BAAQMD cond #2212, Part 3	C	pressure drop monitor
	BAAQM D 6-305	Y		Fallout of visible particles	BAAQMD cond #2212, Part 3	C	pressure drop monitor
	BAAQM D 6-310	Y		0.15 gr/dscf	BAAQMD cond #2212, Part 3	C	pressure drop monitor
	BAAQM D 6-311	Y		40 lb/hr	BAAQMD cond #2212, Part 3	C	pressure drop monitor
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD cond #2212, Part 3	C	pressure drop monitor
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Cond #2212, Part 4	P/W	Visible emission monitoring

**Table VII-E  
S-15 Annealing Oven**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann No.1		N	
	BAAQM D 6-305	Y		Fallout of visible particles		N	
	BAAQM D 6-310	Y		0.15 gr/dscf		N	

**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
(continued)**

	BAAQM D 6-311	Y		40 lb/hr		N	
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**Table VII-E (continued)  
S-15 Annealing Oven**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	SIP 6-301	Y		Ringelmann No. 1	BAAQMD cond #14990, Part 1	P/M	Visible emission monitoring
SO <sub>2</sub>	BAAQM D 9-1-301	N		GLC <sup>1</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	
	BAAQM D 9-1-302	N		sulfur emissions not to exceed 300 ppm, dry		N	
	SIP 9-1-301	Y		Federal std: GLC <sup>1</sup> of 140 ppb, 24-hr average, once/yr and 30 ppb, annual av State std: GLC <sup>1</sup> of 40 ppb, 24-hr average, and 250 ppb, 1 hr av			

<sup>1</sup> Ground Level Concentration

**Table VII-F  
S-16 Pneumatic Cement Transport System**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann No.1		N	
	BAAQM D 6-305	Y		Fallout of visible particles		N	

**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
(continued)**

	BAAQM D 6-310	Y		0.15 gr/dscf		N	
	BAAQM D 6-311	Y		40 lb/hr		N	
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD cond #14991, Part 1	P/M	Visible emission monitoring

**Table VII-G  
S-17, Surface Coater**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQM D 8-19-302	Y		VOC limit of 2.8 lb/gal	8-19-501	P/W	coating records

**Table VII-H  
S-32 Pneumatic Dust Transport System**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 6-301	N		Ringelmann No.1		N	
	BAAQM D 6-305	Y		Fallout of visible particles		N	
	BAAQM D 6-310	Y		0.15 gr/dscf		N	
	BAAQM D 6-311	Y		40 lb/hr		N	
	SIP 6-301	Y		Ringelmann No. 1		N	

**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
(continued)**

	BAAQM D Condition #2676, part 3	Y		grain loading from A-19 Baghouse not to exceed 0.10 gr/dscf		N	
Lead	BAAQM D 11-1-301	Y		15 lb/day		N	
	BAAQM D 11-1-302	Y		GLC <sup>1</sup> not to exceed 1.0 ug/m <sup>3</sup> averaged over 24 hrs		N	

<sup>1</sup>Ground Level Concentration



**VII. Applicable Emission Limits & Compliance Monitoring Requirements  
 (continued)**

**Table VII-I**

**S-33 Gasoline Dispensing Facility (Non-Retail)**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQM D 8-7-301.2	Y		95% (wt) organic vapor recovery efficiency		N	N
	BAAQM D 8-7-301.6	Y		all vapor recovery equipment maintained to be leak-free and vapor tight		N	N

**Table VII-J**

**S-40 Portable Abrasive Blasting Unit #1  
 S-41 Portable Abrasive Blasting Unit #2**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQM D 12-4-301	Y		Ringelmann No. 1 Limitation		N	
	BAAQM D 12-4-302	Y		Ringelmann No. 2 Limitation		N	

## VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 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.

Applicable Requirement	Description of Requirement	Acceptable Test Methods
SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD & SIP 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD & SIP 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD & SIP 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 & SIP 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 (continued)**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD & SIP 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
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

## **IX. GLOSSARY**

### **BAAQMD**

Bay Area Air Quality Management District

### **BACT**

Best Available Control Technology

### **Basis**

The underlying authority which allows the District to impose requirements.

### **CAA**

The federal Clean Air Act

### **CAAQS**

California Ambient Air Quality Standards

### **CEQA**

California Environmental Quality Act

### **CFR**

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

### **CO**

Carbon Monoxide

### **Cumulative Increase**

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

### **District**

The Bay Area Air Quality Management District

### **EPA**

The federal Environmental Protection Agency.

### **Excluded**

## **IX. Glossary (continued)**

Not subject to any District Regulations.

### **Federally Enforceable, FE**

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

### **HAP**

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

### **Major Facility**

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

### **MFR**

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

### **MOP**

The District's Manual of Procedures.

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPS**

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

### **NMHC**

Non-methane Hydrocarbons

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

Oxides of nitrogen.

### **NSPS**

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

## **IX. Glossary (continued)**

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.)

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

### **Phase II Acid Rain Facility**

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

### **POC**

Precursor Organic Compounds

### **PM**

Total Particulate Matter

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

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

### **PSD**

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

### **SIP**

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

## IX. Glossary (continued)

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

Sulfur dioxide

### **Title V**

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

### **VOC**

Volatile Organic Compounds

### **Units of Measure:**

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

**X. APPENDIX A - STATE IMPLEMENTATION PLAN**

See Attachment