

**Title V Semi-Annual Monitoring Verification Report  
US Pipe and Foundry Company, Plant #A0083**

**Applicable Limits and 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	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for less than 3 minutes in any hour	BAAQMD cond #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor	Y	
	BAAQMD 6-301	Y		Ringelmann No. 1 for less than 3 minutes in any hour	BAAQMD Cond #2274, Part 8	P/D	preventative maintenance records	Y	
	BAAQMD 6-301	Y		Ringelmann No. 1 for less than 3 minutes in any hour	BAAQMD Cond #2274, Part 8	P/W	Visible emission monitoring	Y	
PM	BAAQMD 6-305	Y		Fallout of visible particles	BAAQMD cond #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor	Y	
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD cond #2274, Parts 4 and 5	C	temperature monitor, pressure drop monitor	Y	
1P	BAAQMD 6-311	Y		40 lb/hr	BAAQMD cond #2274, Parts 4 and 5	C	Temperature monitor, pressure drop monitor	Y	
SO <sub>2</sub>	BAAQMD 9-1-301	Y		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		Y	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
	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%	Y	
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	Y	
Lead	BAAQMD 11-1-301	Y		15 lb/day		N		Y	
	BAAQMD 11-1-302	Y		GLC <sup>1</sup> not to exceed 1.0 ug/m <sup>3</sup> averaged over 24 hrs		N		Y	
Grey iron throughput	BAAQMD Condition #2274, part 2	Y		600 tons per day	BAAQMD condition 2274, part 6	P, D	Records	Y	
Afterburner Temperature limit	BAAQMD Condition #2274, part 3	Y		1550oF	BAAQMD condition 2274, part 5	C	Continuous Temperature monitor	Y	

<sup>1</sup> Ground Level Concentration

**Title V Semi-Annual Monitoring Verification Report  
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**Applicable Limits and Compliance Monitoring Requirements**

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

Type of Limit	Citation of Limit	PE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (Y/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	Y		Ringelmann No.1 for less than 3 minutes in any hour	BAAQMD cond #1783, Part 3	C	pressure drop monitor	Y	
	BAAQMD 6-301	Y		Ringelmann No.1 for less than 3 minutes in any hour	BAAQMD Cond #1783, Part 6	FW	preventative maintenance records	Y	
	BAAQMD 6-301	Y		Ringelmann No.1 for less than 3 minutes in any hour	BAAQMD Cond #1783, Part 7	FW	Visible emission monitoring	Y	
PM	BAAQMD 6-205	Y		Fallout of visible particles	BAAQMD cond #1783, Part 3	C	Pressure drop monitor	Y	
TP	BAAQMD 6-310	Y		0.15 gridsec	BAAQMD cond #1783, Part 3	C	Pressure drop monitor	Y	
FP	BAAQMD 6-311	Y		40 lb/yr	BAAQMD cond #1783, Part 3	C	Pressure drop monitor	Y	
Lead	BAAQMD 11-1-301	Y		15 lb/day		N		Y	
	BAAQMD 11-1-302	Y		GLC <sup>1</sup> not to exceed 1.0 ug/m <sup>3</sup> averaged over 24 hrs		N		Y	
SO <sub>2</sub>	BAAQMD 9-1-301	Y		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		Y	
	9-1-302	Y		sulfur emissions not to exceed 300 ppm, dry		N		Y	
SO <sub>2</sub>	BAAQMD Condition #1783, part 2	Y		150 lb/day		N		Y	

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**Applicable Limits and 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 (F/C/N)	Monitoring Type	Compliance	
								Yes	No
Bag cleaning or replacement	BAAQMD Condition #1783, part 5	Y		Bag cleaning or replacement required when pressure drop exceeds 6 inches water column	BAAQMD Condition #1783, part 5	C	Pressure drop monitor	Y	

<sup>1</sup> Ground Level Concentration

**Title V Semi-Annual Monitoring Verification Report  
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**Applicable Limits and 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	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	Y		Ringelmann No.1 for less than 3 minutes in any hour	BAAQMD cond #14989, Part 1	P/D	preventative maintenance records	Y	
	BAAQMD 6-301	Y		Ringelmann No.1 for less than 3 minutes in any hour	BAAQMD Cond #14989, Part 2	P/W	Visible emission monitoring	Y	
	BAAQMD 6-305	Y		Fallout of visible particles		N		Y	
	BAAQMD 6-310	Y		0.15 g/dscf		N		Y	
	BAAQMD 6-311	Y		40 lsb/h		N		Y	

**Title V Semi-Annual Monitoring Verification Report  
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**Applicable Limits and 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	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for less than 3 minutes in any hour	BAAQMD cond #2212, Part 3	C	pressure drop monitor	Y	
	BAAQMD 6-301	Y		Ringelmann No. 1 in less than 3 minutes in any hour	BAAQMD Cond #2212, Part 4	P/W	Visible emission monitoring	Y	
PM	BAAQMD 6-305	Y		Fallout of visible particles	BAAQMD cond #2212, Part 3	C	pressure drop monitor	Y	
FP	BAAQMD 6-310	Y		0.15 gr/dscf	BAAQMD cond #2212, Part 3	C	pressure drop monitor	Y	
	BAAQMD 6-311	Y		40 lb/hr	BAAQMD cond #2212, Part 3	C	pressure drop monitor	Y	
Bag cleaning or replacement	BAAQMD Condition #2212, part 2	Y		Bag cleaning or replacement required when pressure drop exceeds 6 inches water column	BAAQMD Condition #2212, part 3	C	Pressure drop monitor	Y	

**Title V Semi-Annual Monitoring Verification Report  
US Pipe and Foundry Company, Plant #A0083**

**Applicable Limits and 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 (Y/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for less than 3 minutes in any hour	BAAQMD cond #14990, Part 1	PM	Visible emission monitoring	Y	
PM	BAAQMD 6-305	Y		Fallout of visible particles		N		Y	
FP	BAAQMD 6-310	Y		0.15 g/dscf		N		Y	
FP	BAAQMD 6-311	Y		40 lb/hr		N		Y	
SO <sub>2</sub>	BAAQMD 9-1-301	Y		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		Y	
	BAAQMD 9-1-302	Y		sulfur emissions not to exceed 300 ppm, dry		N		Y	

<sup>1</sup> Ground Level Concentration

**Title V Semi-Annual Monitoring Verification Report  
US Pipe and Foundry Company, Plant #A0083**

**Applicable Limits and 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	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	Y		Ringelmann No 1 for less than 3 minutes in any hour	BAAQMD cond #14991, Part 1	P/M	Visible emission monitoring	Y	
PM	BAAQMD 6-305	Y		Fallout of visible particles		N		Y	
FP	BAAQMD 6-310	Y		0.15 gr/dscf		N		Y	
	BAAQMD 6-311	Y		40 lb/hr		N		Y	



**Title V Semi-Annual Monitoring Verification Report  
US Pipe and Foundry Company, Plant #A0083**

**Applicable Limits and 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	Compliance	
								Yes	No
VOC	BAAQMD 8-19-302.2	Y		VOC limit of 2.8 lb/gal	BAAQMD 8-19-501	P/W	coating records	Y	
	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	Y	
	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	Y	

**Title V Semi-Annual Monitoring Verification Report  
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**Applicable Limits and 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 (Y/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD 6-301	Y		Ringelmann No. 1 for less than 3 minutes in any hour		N		N/A*	
PM	BAAQMD 6-305	Y		Fallout of visible particles		N		N/A*	
FP	BAAQMD 6-310	Y		0.15 gr/dscf		N		N/A*	
	BAAQMD 6-311	Y		40 lb/hr		N		N/A*	
FP	BAAQMD Condition #2676, part 3	Y		grain loading from A-10 Baghouse not to exceed 0.10 gr/dscf		N		N/A*	
Lead	BAAQMD 11-I-301	Y		15 lb/day		N		N/A*	
	BAAQMD 11-I-302	Y		GLC <sup>1</sup> not to exceed 1.0 ug/m <sup>3</sup> averaged over 24 hrs		N		N/A*	
Hours of operation	BAAQMD Condition #2676, part 2	Y		11 hours per day	BAAQMD Condition #2676, part 5	P	Operating records	N/A*	

<sup>1</sup> Ground Level Concentration

**\* Note: S-32 Pneumatic Dust Transport System has not been used during this reporting period.**

**Title V Semi-Annual Monitoring Verification Report  
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**Applicable Limits and Compliance Monitoring Requirements**

**Table VII-1  
S-33 Gasoline Dispensing Facility (Non-Retail)**

Type of Limit	Citation of Limit	FF Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
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	Y	
	BAAQMD Regulation 8-7-313.1	N		Fugitives ≤ 0.42 lb/1000 gallon		N		Y	
	BAAQMD Regulation 8-7-313.2	N		Spillage ≤ 0.42 lb/1000 gallon		N		Y	
	BAAQMD Regulation 8-7-313.3	N		Liquid Retain + Spitting ≤ 0.42 lb/1000 gallon		N		Y	
	Note	N		None	BAAQMD Regulation 8-7-503	P/M	Records	Y	
	SIP Regulation 8-7-301.2	Y		95% recovery of gasoline vapors		N		Y	
Gasoline throughput	BAAQMD condition #18432, part 1	Y		940,000 gallons per year	BAAQMD Regulation 8-7-503	P	Records	Y	

**Title V Semi-Annual Monitoring Verification Report  
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**Applicable Limits and Compliance Monitoring Requirements**

**Table VII-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	Compliance	
								Yes	No
Opacity	BAAQMD 12-4-301	Y		Ringelmann No. 1 Limitation		N		N/A*	
	BAAQMD 12-4-302	Y		Ringelmann No. 2 Limitation		N		N/A*	
Usage	BAAQMD Condition 13321, part 1	Y		25 tons per 12-month period or 900 lbs per calendar day	BAAQMD Condition 13321, part 3	P/D	records	N/A*	

**Table VII-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	Compliance	
								Yes	No
Opacity	BAAQMD 12-4-301	Y		Ringelmann No. 1 Limitation		N		N/A*	
	BAAQMD 12-4-302	Y		Ringelmann No. 2 Limitation		N		N/A*	
Usage	BAAQMD Condition 13321, part 4	Y		5 tons per 12-month period or 1000 lbs per calendar day	BAAQMD Condition 13321, part 6	P/D	records	N/A*	

**\* Note: S-40 Portable Abrasive Blasting Unit #1 has not been used during this reporting period.**

**\* Note: S-41 Portable Abrasive Blasting Unit #2 has not been used during this reporting period.**

**Title V Semi-Annual Monitoring Verification Report  
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**Applicable Limits and Compliance Monitoring Requirements**

**Table VII-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	Compliance	
								Yes	No
POC	BAAQMD Condition #16938, part 2(a)	Y		101 pounds per year	BAAQMD Condition #16938, part 3	P	Usage Records	Y	
NPOC	BAAQMD Condition #16938, part 2(b)	Y		0 pounds per year	BAAQMD Condition #16938, part 3	P	Usage Records	Y	

\* Note: Only one Cold Cleaner (S-42) has not been used during this reporting period.

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**Applicable Limits and Compliance Monitoring Requirements**

**Table VII - M  
S-51 STANDBY GENERATOR DIESEL ENGINE  
S-52 STANDBY GENERATOR DIESEL ENGINE**

<u>Type of Limit</u>	<u>Citation of Limit</u>	<u>FE Y/N</u>	<u>Future Effective Date</u>	<u>Limit</u>	<u>Monitoring Requirement Citation</u>	<u>Monitoring Frequency (P/C/N)</u>	<u>Monitoring Type</u>	<u>Compliance</u>	
								<u>Yes</u>	<u>No</u>
<u>Opacity</u>	<u>BAAQMD 6-303.1</u>	Y		<u>&gt; Ringelmann No. 2 for no more than 3 minutes in any hour</u>		N		N/A*	
<u>FP</u>	<u>BAAQMD 6-310</u>	Y		<u>0.15 grain/dscf</u>		N		N/A*	
	<u>BAAQMD 6-310.3</u>	Y		<u>0.15 grain/dscf @ 6% O2</u>		N		N/A*	
<u>SO2</u>	<u>BAAQMD 9-1-301</u>	Y		<u>GLC<sup>2</sup> of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours</u>	<u>BAAQMD Condition #20974, part 1</u>	<u>P/M</u>	<u>Fuel Certification Records</u>	N/A*	
	<u>BAAQMD 9-1-304</u>	Y		<u>sulfur emissions not to exceed 300 ppm dry</u>	<u>BAAQMD Condition #20974 part 1</u>	<u>P/M</u>	<u>Fuel Certification Records</u>	N/A*	
<u>Operating hours</u>	<u>BAAQMD 9-8-330</u>	Y		<u>100 hours of reliability-related operation per calendar year</u>	<u>BAAQMD Regulation 9-8-520</u>	<u>P/M</u>	<u>Records of operation</u>	N/A*	

\* Note: Emergency Generators (S-51 & S-52) have not been used during this reporting period.