EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 72199

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

		AIR CONTAMINANTS DATA		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY (5)**
Plant No. 3 - Concrete Batch Plant located at Pressure Pipe Plant - interior coating of pipes > 72 in diameters				
58 and 59	Cement Silos Baghouses	PM_{10}	0.10	0.06
55 and 56	Mixers (4)	PM	0.17	0.23
		PM_{10}	0.08	0.11
57	Mixers= Dust Collector (4)	PM_{10}	0.09	0.12
52, 53, and 54	Material Handling (4)	PM	0.03	0.04
		PM_{10}	0.01	0.02
STK 7	Stockpiles (4)	PM	--	0.14
		PM_{10}	--	0.07
50	Boiler	NO_x	1.65	7.21
		CO	1.38	6.06
		SO_2	<0.01	0.04
		PM	0.13	0.55
		VOC	0.09	0.40
51	Boiler	NO_x	1.65	7.21
		CO	1.38	6.06
		SO_2	<0.01	0.04
		PM	0.13	0.55
		VOC	0.09	0.40

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY	(5)**
Plant No. 4 - Mortar Batch Plant located at the Pressure Pipe Plant - exterior coating of pipes > 72 in diameters					
69	Cement Silo Baghouse	PM_{10}	0.05	0.02	
63	Mixer (4)	PM	0.04	0.06	
		PM_{10}	0.02	0.03	
64	Mixer Dust Collector (4)	PM_{10}	0.02	0.03	
61, 62, 65, 66, 67, and 68	Material Handling	PM	0.02	<0.01	
		PM_{10}	<0.01	<0.01	
STK 9	Stockpiles (4)	PM	--	0.11	
		PM_{10}	--	0.05	
60	Boiler	NO_x	1.30	5.71	
		CO	1.09	4.79	
		SO_2	<0.01	0.03	
		PM	0.10	0.43	
		VOC	0.07	0.31	
Plant No. 6 - Mortar Batch Plant located at the Pressure Pipe Plant - interior coating of pipes with diameters between 10 and 72 in					
74	Cement Silo Baghouse	PM_{10}	0.05	0.01	
72	Mixer (4)	PM	0.03	0.05	
		PM_{10}	0.02	0.03	
73	Mixer Dust Collector (4)	PM_{10}	0.02	0.03	
70 and 71	Material Handling (4)	PM	<0.01	<0.01	
		PM_{10}	<0.01	<0.01	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY	(5)**
STK 8	Stockpiles (4)	PM	--	0.24	
		PM_{10}	--	0.12	
Plant No. 7 - Mortar Batch Plant located at the Pressure Pipe Plant - exterior coating of pipes with diameters between 10 and 72 in					
82a	Cement Silo=s Baghouse	PM_{10}	0.05	0.02	
77	Mixer (4)	PM	0.04	0.06	
		PM_{10}	0.02	0.03	
78	Mixer Dust Collector (4)	PM_{10}	0.02	0.03	
75, 76, 79, 80, 81, and 82	Material Handling (4)	PM	0.02	<0.01	
		PM_{10}	<0.01	<0.01	
STK 6	Stockpiles (4)	PM	--	0.11	
		PM_{10}	--	0.05	
Plant No. 14 - Gunite Batch Plant located at the Pressure Pipe Plant - coating of pipes or fittings					
87	Cement Silo Baghouse	PM_{10}	0.05	0.01	
85	Mixer (4)	PM	0.03	0.04	
		PM_{10}	0.02	0.02	
86	Mixer Dust Collector (4)	PM_{10}	0.01	0.01	
83, 84	Material Handling	PM	<0.01	<0.01	
		PM_{10}	<0.01	<0.01	
STK 4 and 5	Stockpiles (4)	PM	--	0.36	
		PM_{10}	--	0.18	
Plant No. 8 - Mortar Batch Plant located at the Steel Pipe Plant - interior coating of steel pipe					

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
(5)**				
93	Cement Silo Baghouse	PM_{10}	0.05	0.01
92	Mixer (4)	PM	0.32	0.37
			0.15	0.18
94	Mixer Dust Collector	PM_{10}	0.01	0.01
88, 89, 90, and 91	Material Handling (4)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
STK 10 and 12	Stockpiles (4)	PM	--	0.47
		PM_{10}	--	0.23
Steel Pipe Coating and Curing Operations				
95	Steel Pipe Coating Booth Stack	VOC (6)	27.68	17.38
		Exempt Solvent (6)	86.68	8.67
		PM_{10}	<0.01	<0.01
FUG1STP	Coatings Fugitives	VOC (6)	2.67	1.07
		Exempt Solvent (6)	9.63	0.96
97	Heating Chamber Stack	NO_x	<0.01	<0.01
		CO	<0.01	<0.01
		SO_2	<0.01	<0.01
		PM	<0.01	<0.01
		VOC	<0.01	<0.01
98	Heating Chamber Stack	NO_x	<0.01	<0.01
		CO	<0.01	<0.01
		SO_2	<0.01	<0.01
		PM	<0.01	<0.01
		VOC	<0.01	<0.01

99	Steam Generator in Building C Lining Cure Yard	NO_x	0.06	0.28
		CO	0.05	0.23
		SO_2	<0.01	<0.01
		PM	<0.01	0.02
		VOC	<0.01	0.02
Pressure Pipe Coating Operations				
FUG3OPPC	Outdoor Pressure Pipe Coating Brush Application	VOC (7)	14.96	6.42
		Exempt Solvent (7)	0.48	0.34
FUG12OPP	Outdoor Pressure Pipe Coating Spray Application	VOC (7)	36.59	4.54
		PM	0.34	0.05
Fuel Storage Tanks				
100	10,000 gallon diesel fuel tank	VOC	<0.01	<0.01
101	12,000 gallon diesel fuel tank	VOC	<0.01	<0.01
102	8,000 gallon diesel fuel tank	VOC	<0.01	<0.01
103	10,000 gallon gasoline tank	VOC	0.09	0.39
Site-Wide Hazardous Air Pollutant (HAP) Limitation				
ALL (8)	Various	Individual HAP		<10.00
		All HAPs		<25.00

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources use area name or fugitive source name.
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
Exempt Solvent - compounds or mixtures of carbon compounds excluded from definition of VOC.

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HAP - any air contaminant (pollutant) listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide

(4) Fugitive emissions are an estimate only.
(5) Annual emission rates are for each rolling consecutive 12-month period.
(6) Valid substitution in accordance with Special Condition No. 26 may cause rate to vary. Hourly VOC plus exempt solvent emissions from Emission Point Nos.(EPNs) 95 and FUG1STP shall not exceed 114.36 pound per hour (lb/hr) and 12.30 lb/hr, respectively. Annual VOC plus exempt solvent emissions from EPNs. 95 and FUG1STP shall not exceed 26.05 tons per year (tpy) and 2.03 tpy, respectively.
(7) Valid substitution in accordance with Special Condition No. 26 may cause rate to vary. Hourly and annual VOC plus exempt solvent emissions from EPN. FUG3OPPC shall not exceed 15.44 lb/hr and 6.76 tpy, respectively.
(8) All surface coating facilities.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Plant No. 3 - Concrete Batch Plant located at Pressure Pipe Plant
24 Hrs/day 7 Days/week 52 Weeks/year but not to exceed 8,760 Hrs/year
Maximum Hourly Production: 80 Cubic yards/hour
Maximum Annual Production: 215,000 Cubic yards/year

Plant No. 4 - Mortar Batch Plant located at the Pressure Pipe Plant
24 Hrs/day 7 Days/week 52 Weeks/year but not to exceed 8,760 Hrs/year
Maximum Hourly Production: 20 Cubic yards/hour
Maximum Annual Production: 60,000 Cubic yards/year

Plant No. 6 - Mortar Batch Plant located at the Pressure Pipe Plant
24 Hrs/day 7 Days/week 52 Weeks/year but not to exceed 8,760 Hrs/year
Maximum Hourly Production: 15 Cubic yards/hour
Maximum Annual Production: 50,000 Cubic yards/year

Plant No. 7 - Mortar Batch Plant located at the Pressure Pipe Plant
24 Hrs/day 7 Days/week 52 Weeks/year but not to exceed 8,760 Hrs/year
Maximum Hourly Production: 20 Cubic yards/hour
Maximum Annual Production: 60,000 Cubic yards/year

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Plant No. 14 - Gunite Batch Plant located at the Pressure Pipe Plant
24 Hrs/day 7 Days/week 52 Weeks/year but not to exceed 8,760 Hrs/year
Maximum Hourly Production: 15 Cubic yards/hour
Maximum Annual Production: 35,000 Cubic yards/year

Plant No. 8 - Mortar Batch Plant located at the Steel Pipe Plant - interior coating of steel pipe
24 Hrs/day 7 Days/week 52 Weeks/year but not to exceed 8,760 Hrs/year
Maximum Hourly Production: 15 Cubic yards/hour
Maximum Annual Production: 35,000 Cubic yards/year

Dated April 8, 2008