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, sources, and related activities. 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 (9)	
			lbs/hour	TPY (4)
Plant No. 3 – Concrete Batch Plant located at Pressure Pipe Plant – interior coating pipes > 54 in. diameters				
58 and 59	Cement Silos Baghouses	PM	0.10	0.06
		PM_{10}	0.10	0.06
		$PM_{2.5}$	0.10	0.06
55, 56, and 57	Mixers and Dust Collectors	PM	2.94	3.96
		PM_{10}	0.88	1.18
		$PM_{2.5}$	0.20	0.27
52, 53, and 54	Material Handling	PM	0.06	0.09
		PM_{10}	0.02	0.03
		$PM_{2.5}$	0.01	0.01
STK 7	Stockpiles	PM	--	0.14
		PM_{10}	--	0.07
		$PM_{2.5}$	--	0.01
50	Boiler (5)	NO_X	1.65	7.21
		CO	1.38	6.06
		SO_2	< 0.01	0.04
		VOC	0.09	0.40
		PM	0.13	0.55
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.13	0.55

Emission Sources - Maximum Allowable Emission Rates

51	Boiler (5)	NO_X	1.65	7.21
		CO	1.38	6.06
		SO_2	< 0.01	0.04
		VOC	0.09	0.40
		PM	0.13	0.55
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.13	0.55
Plant No. 4 – Mortar Batch Plant located at the Pressure Pipe Plant – exterior coating of pipes > 54 in. diameters				
69	Cement Silo Baghouse	PM	0.05	0.02
		PM_{10}	0.05	0.02
		$PM_{2.5}$	0.05	0.02
63 and 64	Mixers and Dust Collectors	PM	0.74	1.10
		PM_{10}	0.22	0.33
		$PM_{2.5}$	0.05	0.08
61, 62, 65, 66, 67, and 68	Material Handling	PM	0.02	0.02
		PM_{10}	0.01	0.01
		$PM_{2.5}$	< 0.01	< 0.01
STK 9	Stockpiles	PM	--	0.11
		PM_{10}	--	0.05
		$PM_{2.5}$	--	0.01
60	Boiler (5)	NO_X	1.30	5.71
		CO	1.09	4.79
		SO_2	< 0.01	0.03
		VOC	0.07	0.31
		PM	0.10	0.43
		PM_{10}	0.10	0.43
		$PM_{2.5}$	0.10	0.43
Plant No. 6 – Mortar batch Plant located at the Pressure Pipe Plant – interior coating of pipes with diameters between 10 and 72 inches				
74	Cement Silo Baghouse	PM	0.05	0.01

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.05	0.01
		$PM_{2.5}$	0.05	0.01
72 and 73	Mixer and Dust Collector	PM	0.55	0.92
		PM_{10}	0.17	0.28
		$PM_{2.5}$	0.04	0.06
70 and 71	Material Handling	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
STK 8	Stockpiles	PM	--	0.24
		PM_{10}	--	0.12
		$PM_{2.5}$	--	0.02
Plant No. 7 – Mortar Batch Plant located at the Pressure Pipe Plant – exterior coating of pipes with diameters between 10 and 72 inches				
82a	Cement Silos	PM	0.05	0.02
		PM_{10}	0.05	0.02
		$PM_{2.5}$	0.05	0.02
77 and 78	Mixer and Dust Collector	PM	0.74	1.10
		PM_{10}	0.22	0.33
		$PM_{2.5}$	0.05	0.08
75, 76, 79, 80, 81, and 82	Material Handling	PM	0.02	0.02
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
STK 6	Stockpiles	PM	--	0.11
		PM_{10}	--	0.05
		$PM_{2.5}$	--	0.01
Plant No. 14 – Gunite Batch plant located at the Pressure Pipe Plant – coating of pipes or fittings				
87	Cement Silo Baghouse	PM	0.05	0.01
		PM_{10}	0.05	0.01
		$PM_{2.5}$	0.05	0.01
85 and 86	Mixer and Dust	PM	0.55	0.64

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.17	0.19
		$PM_{2.5}$	0.04	0.04
83 and 84	Material Handling	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
STK 4 and 5	Stockpiles	PM	--	0.36
		PM_{10}	--	0.18
		$PM_{2.5}$	--	0.03
Plant No. 8 – Mortar Batch Plant located at the Steel Pipe Plant – interior coating of steel pipe				
93	Cement Silo Baghouse	PM	0.05	0.01
		PM_{10}	0.05	0.01
		$PM_{2.5}$	0.05	0.01
92 and 94	Mixer and Dust Collector	PM	0.55	0.64
		PM_{10}	0.17	0.19
		$PM_{2.5}$	0.04	0.04
88, 89, 90, and 91	Material Handling	PM	0.02	0.02
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
STK 10 and 12	Stockpiles	PM	--	0.47
		PM_{10}	--	0.23
		$PM_{2.5}$	--	0.04
Steel Pipe Coating and Curing Operations				
95	Steel Pipe Coating Booth Stack	VOC (6)	27.68	14.78
		Exempt Solvent (6)	86.68	3.06
		PM	< 0.01	0.01
		PM_{10}	< 0.01	0.01
		$PM_{2.5}$	< 0.01	0.01
FUG1STP	Coating Fugitives	VOC (6)	4.68	3.67
		Exempt Solvent (6)	9.63	0.34

Emission Sources - Maximum Allowable Emission Rates

97	Heating Chamber Stack (5)	NO_X	< 0.01	< 0.01
		CO	< 0.01	< 0.01
		SO_2	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
98	Heating Chamber Stack (5)	NO_X	< 0.01	< 0.01
		CO	< 0.01	< 0.01
		SO_2	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
99	Steam Generator in Building C Lining Cure Yard (5)	NO_X	0.06	0.28
		CO	0.05	0.23
		SO_2	< 0.01	< 0.01
		VOC	< 0.01	0.02
		PM	< 0.01	0.02
99	Steam Generator in Building C Lining Cure Yard (5)	PM_{10}	< 0.01	0.02
		$PM_{2.5}$	< 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	36.59	4.54
		PM	0.34	0.05
		PM_{10}	0.34	0.05
		$PM_{2.5}$	0.34	0.05
Outdoor Abrasive Blasting Operations				

Emission Sources - Maximum Allowable Emission Rates

F12SSPBA and FUG3PPBA	Outdoor Dry Abrasive Blast Cleaning	PM	6.42	4.82
		PM_{10}	0.76	0.57
		$PM_{2.5}$	0.76	0.57
SB1PPBA, SB1SSPBA, and SB2SSPBA	Storage Bin Baghouses	PM	0.14	< 0.01
		PM_{10}	0.14	< 0.01
		$PM_{2.5}$	0.14	< 0.01
PF1PPBA, PF1SSPBA, and PF2SSPBA	Pot Filling	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
MTL1 and MTL2	Material Handling	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
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 Fuel Tank	VOC	0.09	0.39
Site-Wide Hazardous Air Pollutant (HAP) Limitation				
All Emission Points at the Site (8)	All Source at the Site	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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

Emission Sources - Maximum Allowable Emission Rates

(4) Annual emission rates are for each rolling 12-month period.
(5) Products of combustion.
(6) Valid substitution in accordance with Special Condition No. 12 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 14.31 lb/hr, respectively. Annual VOC plus exempt solvent emissions from EPNs 95 and FUG1STP shall not exceed 17.84 tons per year (tpy) and 4.01 tpy, respectively.
(7) Valid substitution in accordance with Special Condition No. 12 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 facilities, including those authorized by Permit Number 22366 and those authorized by permit by rule (PBR) under 30 TAC Chapter 106.
(9) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: May 15, 2017