

Emission Sources - Maximum Allowable Emission Rates

Permit Number 21716

This table lists the maximum allowable emission rates and all sources of air contaminants 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	Air Contaminant Name (2)	Emission Rates (3)	
			lbs/hour	TPY (4)
B1 and B3	Two Boilers (each 12.55 MMBtu/hr with Low-NO _x Burner)	VOC	0.07	0.30
		PM	0.09	0.41
		PM ₁₀	0.09	0.41
		PM _{2.5}	0.09	0.41
		NO _x	0.62	2.70
		CO	1.03	4.53
		SO ₂	0.01	0.03
C1	Charring Oven	VOC	0.01	0.04
		PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06
		NO _x	0.18	0.77
		CO	0.15	0.66
		SO ₂	<0.01	0.01

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			lbs/hour	TPY (4)
F17-F22, F22A, and F22B	Lining Building with Five Curing Ovens (each 4 MMBtu/hr) and Small Parts Curing Oven (4 MMBtu/hr) (All with Low-NO _x Burners)	VOC (5)	78.60	101.40
		VOC	0.13	0.57
		PM	0.19	0.78
		PM ₁₀	0.19	0.78
		PM _{2.5}	0.19	0.78
		NO _x	1.18	5.15
		CO	1.98	8.66
		SO ₂	0.01	0.06
F23	Rubber Lining Repair	VOC (6)	0.13	0.57
H1-H12	Two Railcar Exterior Paint Booths, Two Railcar Exterior Curing Ovens (each 1.62 MMBtu/hr), and One Railcar Interior Lining Oven (4 MMBtu/hr)	VOC (5)	151.20	130.80
		Exempt Solvent (5)	15.78	0.40
		Ammonium Hydroxide (5)	0.18	2.58
		PM (5)	0.02	0.02
		PM ₁₀ (5)	<0.01	<0.01
		PM _{2.5} (5)	<0.01	<0.01
		VOC	0.03	0.13
		PM	0.04	0.18
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
		NO _x	0.36	1.56
		CO	0.46	2.02
		SO ₂	<0.01	0.01

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Emission Point No. (1)	Source Name	Air Contaminant Name (2)	Emission Rates (3)	
			lbs/hour	TPY (4)
H17	Small Parts Paint Booth	VOC	0.03	0.08
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
K	Railcar Cleaning vented to a Flare	VOC	20.87	9.34
		NO _x	12.47	10.37
		CO	9.08	3.80
		Ammonia	3.77	0.26
L	Railcar Exterior Grit Blasting vented through a Baghouse	PM	0.03	0.03
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
M	Railcar Interior Grit Blasting vented through a Baghouse	PM	0.08	0.01
		PM ₁₀	0.04	<0.01
		PM _{2.5}	<0.01	<0.01
N	3I Cleaning System vented through Carbon Adsorbers	VOC	133.00	2.96
		IOC-U	10.40	0.28
T1 and T2	Fuel Storage Tanks	VOC	0.02	0.07

(1) Emission point identification number from Table 1(a)

(2) VOC -volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
Exempt Solvent -organic compounds excluded from the definition of VOC as defined in Title 30 Texas Administrative Code § 101.1

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - 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
IOC-U - inorganic compounds (unspeciated)
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide

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- (3) Rates include planned maintenance, startup, and shutdown (MSS) emissions except for the fuel storage tanks for which there are no MSS.
- (4) Rates are for a rolling 12 consecutive months.
- (5) Emissions from paints and lining materials/coatings
- (6) Fugitive emissions

Date: May 14, 2014