

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 21716

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 (7)	
			lbs/hour	TPY (4)
K	Flare – Pilot/POC	CO	7.35	32.38
		NO <sub>x</sub>	1.02	4.48
		SO <sub>2</sub>	< 0.01	0.01
		VOC	< 0.01	< 0.01
K	Flare – Railcar Cleaning	VOC	6.40	
		Exempt Solvent	2.38	
N	3I Cleaning System – Railcar Cleaning	VOC	33.31	
		Exempt Solvent	0.95	
K and N	Railcar Cleaning Cap	VOC		55.21
		Exempt Solvent		2.18
TK GAUGE	Tank Gauging	VOC	0.90	0.26
DRUMS	Drumming	VOC	0.26	0.44
B1 and B3	Two Boilers (each 12.55 MMBtu/hr with Low-NO <sub>x</sub> Burner)	VOC	0.07	0.30
		PM	0.09	0.41
		PM <sub>10</sub>	0.09	0.41
		PM <sub>2.5</sub>	0.09	0.41
		NO <sub>x</sub>	0.62	2.70
		CO	1.03	4.53
		SO <sub>2</sub>	0.01	0.03
C1	Charring Oven	VOC	0.01	0.04
		PM	0.01	0.06
		PM <sub>10</sub>	0.01	0.06
		PM <sub>2.5</sub>	0.01	0.06
		NO <sub>x</sub>	0.18	0.77
		CO	0.15	0.66
		SO <sub>2</sub>	<0.01	0.01

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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 <sub>x</sub> Burners)	VOC (5)	78.60	101.40
		VOC	0.13	0.57
		PM	0.19	0.78
		PM <sub>10</sub>	0.19	0.78
		PM <sub>2.5</sub>	0.19	0.78
		NO <sub>x</sub>	1.18	5.15
		CO	1.98	8.66
		SO <sub>2</sub>	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 <sub>10</sub> (5)	<0.01	< 0.01
		PM <sub>2.5</sub> (5)	<0.01	< 0.01
		VOC	0.03	0.13
		PM	0.04	0.18
		PM <sub>10</sub>	0.04	0.18
		PM <sub>2.5</sub>	0.04	0.18
		NO <sub>x</sub>	0.36	1.56
		CO	0.46	2.02
		SO <sub>2</sub>	<0.01	0.01
H17	Small Parts Paint Booth	VOC	0.03	0.08
		PM	<0.01	< 0.01
		PM <sub>10</sub>	<0.01	< 0.01
		PM <sub>2.5</sub>	<0.01	< 0.01
L	Railcar Exterior Grit Blasting vented through a Baghouse	PM	0.03	0.03
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	<0.01	< 0.01
M	Railcar Interior Grit Blasting vented through a Baghouse	PM	0.08	0.01
		PM <sub>10</sub>	0.04	< 0.01
		PM <sub>2.5</sub>	<0.01	< 0.01
T1 and T2	Fuel Storage Tanks	VOC	0.02	0.07

- (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.

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- (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<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- POC - products of combustion
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emissions from paints and lining materials/coatings.
- (6) Fugitive emissions
- (7) Rates include planned maintenance, startup, and shutdown (MSS) emissions except for the fuel storage tanks for which there are no MSS.

Date: \_\_\_\_\_