

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20814

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**
12	Thermal Oxidizer	NO <sub>x</sub>	35.19	15.31
		CO	3.30	2.00
		VOC	5.69	1.39
		SO <sub>2</sub>	48.50	18.52
		PM	0.05	0.22
		HCl	5.01	1.65
13	Caustic Scrubber	SO <sub>2</sub>	0.24	0.01
		HCl	0.13	0.01
		Cl <sub>2</sub>	0.26	0.01
		HF	0.07	0.01
14	Carbon Adsorption	VOC	9.18	0.54
16	Dust Collector	PM	1.07	2.34
16-A	Dust Collector	PM	1.07	2.34
17	Boiler	NO <sub>x</sub>	0.49	1.07
		CO	0.41	0.90
		VOC	0.03	0.07
		SO <sub>2</sub>	0.01	0.01
		PM	0.04	0.09
18	6-Spot Railcar Cleaning Rack	VOC	183.51	10.87
22	Flare	NO <sub>x</sub>	38.65	8.41
		CO	32.98	4.03
		VOC	147.67	7.13
		SO <sub>2</sub>	48.50	18.52
		PM	0.45	1.97
		HCl	22.87	7.50

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			lb/hr	TPY**

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
23	Process Fugitives (4)	VOC	0.22	0.96
24	Wastewater Loading (4)	VOC	2.17	0.05

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) 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 - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
PM<sub>10</sub> - 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.  
CO - carbon monoxide  
HCl - hydrogen chloride  
HF - hydrogen fluoride  
Cl<sub>2</sub> - chlorine
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

\_\_\_\_\_ Hrs/day \_\_\_\_ Days/week \_\_\_\_ Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Date: June 30, 2008