

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18568

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**
CA-1	Carbon Adsorption Unit	VOC	1.65	0.59
E-07-1343	Process Heater PH-7 (72.13 MMBtu/hour)	CO	5.33	23.34
		NO <sub>x</sub>	4.33	18.96
		PM <sub>10</sub>	0.55	2.40
		SO <sub>2</sub>	1.82	7.98
		VOC	0.39	1.71
F-169-CT	Cooling Tower 169	PM <sub>10</sub>	2.85	12.48
			VOC (5) 8.28	1.89
F-8841U	Uncaptured Benzene Loading	Benzene Emissions	8.68	3.10
F-1743	1743 Unit Fugitives (4)	Benzene	0.14	0.62
			Cyclohexane 3.69	0.84
F-1749	1749 Unit Fugitives (4)	VOC	7.35	32.17
F-8841	Benzene Berth Process Fugitives (4)	0.55	Benzene	0.12

(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) CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen

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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.

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emissions rate.

(5) VOC emitted from Cooling Tower 169 may be comprised of isopentane, cyclohexane, and/or heavy reformat.

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

24 Hrs/day 7 Days/week 52 Weeks/year

\*\* Compliance with the emissions shall be based on a 12-month rolling average.

Dated September 27, 2004