

# EMISSION SOURCES - EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

Flexible Permit Number 32468

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**

### CO, NO<sub>x</sub>, SO<sub>2</sub> Sources:

ENGINE	Firewater Pump	CO, NO <sub>x</sub> , SO <sub>2</sub>		
FLARE	Plant Flare	CO, NO <sub>x</sub> , SO <sub>2</sub>		
	Emission Cap	CO	3.31	9.97
	Emission Cap	NO <sub>x</sub>	5.08	2.61
	Emission Cap	SO <sub>2</sub>	2.61	10.15

### VOC Sources:

DRUM LOAD	Drum Filling	VOC		
ENGINE	Firewater Pump	VOC		
FLARE	Plant Flare	VOC		
FUG	Equipment Leak Fugitives (4)	VOC		
GC LAB	GC Lab Hoods	VOC		
LOAD1	Loading Rack 1	VOC		
LOAD2	Loading Rack 2	VOC		
POND	Wastewater Pond	VOC		
	Emission Cap	VOC	16.09	16.13
	Emission Cap	Benzene (5)	0.07	0.10
	Emission Cap	Butadiene (5)	1.65	1.62
	Emission Cap	Butenes (5)	4.35	3.49
	Emission Cap	Ethylene (5)	1.62	1.63
	Emission Cap	Propylene (5)	0.08	0.08

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
FLARE	Plant Flare	H <sub>2</sub> S	0.02	0.10
FUG	Equipment Leak Fugitives (4)	H <sub>2</sub> S H <sub>2</sub> SO <sub>4</sub> 0.03	0.05 0.13	0.20
ENGINE	Firewater Pump	PM <sub>10</sub>	0.29	0.01

(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<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

H<sub>2</sub>S - hydrogen sulfide

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

(4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

(5) Emissions of speciated VOC are included in VOC cap.

\* 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.

Dated May 12, 2005