

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 18417 and PSD-TX-741M2

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**
AmineFlr	Flare	CO (5)	1.17	5.14
		H <sub>2</sub> S	0.03	0.15
		NO <sub>x</sub> (5)	2.34	10.26
		SO <sub>2</sub>	3.20	14.02
		VOC	0.64	2.82
HotOilHtr	15 MMBtu/hr Hot Oil Heater	CO (5)	1.48	6.49
		NO <sub>x</sub> (5)	1.76	7.73
		PM <sub>10</sub>	0.03	0.15
		SO <sub>2</sub>	0.02	0.05
		VOC	0.10	0.43
RegenHtr	7 MMBtu/hr Regeneration Heater	CO (5)	0.69	3.03
		NO <sub>x</sub> (5)	0.82	3.61
		PM <sub>10</sub>	0.02	0.07
		SO <sub>2</sub>	0.01	0.02
		VOC	0.05	0.20
1010	2,650-hp Cooper Superior Compressor Engine	CO (5)	11.68	51.18
		NO <sub>x</sub> (5)	21.41	93.78
		PM <sub>10</sub>	0.19	0.83
		SO <sub>2</sub>	0.02	0.05
		VOC	3.51	15.35
1011	2,650-hp Cooper Superior Compressor Engine	CO (5)	11.68	51.18
		NO <sub>x</sub> (5)	21.41	93.78
		PM <sub>10</sub>	0.19	0.83
		SO <sub>2</sub>	0.02	0.05
		VOC	3.51	15.35

1012	2,650-hp Cooper Superior Compressor Engine	CO (5)	11.68	51.18
		NO <sub>x</sub> (5)	21.41	93.78
		PM <sub>10</sub>	0.19	0.83
		SO <sub>2</sub>	0.02	0.05
		VOC	3.51	15.35
FUG	Process Fugitives (4)	VOC	0.24	1.06

Permit Numbers 18417 and PSD-TX-741M2

Page 2

#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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  
H<sub>2</sub>S - hydrogen sulfide  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable Special Conditions and permit application representations.
- (5) Pollutant is subject to PSD-TX-741M2.

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

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

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

Dated November 22, 2005