

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 16754 and PSD-TX-682

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**
IE1	Lo-Cat Unit Incinerator	VOC	0.55	2.40
		NO <sub>x</sub>	4.57	20.00
		SO <sub>2</sub>	16.48	72.00
		CO	12.34	54.00
		H <sub>2</sub> S	<0.10	<0.10
		TRS	1.20	5.25
T1	DEA Storage Tank	VOC	<0.10	<0.10
TE1	Turbine Generator, Turbine Replacement, and Auxiliary Heater***	VOC	0.63	2.76
		NO <sub>x</sub> (5)	85.50	374.80
		SO <sub>2</sub>	1.02	4.47
		CO (5)	81.70	358.10
		PM	1.98	8.67
FE1	Process Flare	VOC	0.09	0.40
		NO <sub>x</sub>	2.52	2.31
		SO <sub>2</sub>	0.01	0.03
		CO	21.58	19.78
		H <sub>2</sub> S	<0.01	<0.01
F1-6	Fugitives (4)	VOC	14.16	62.07
		H <sub>2</sub> S	0.13	0.53
		DEA	0.76	3.33
		TRS	0.02	0.10

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- (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) 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  
CO - carbon monoxide  
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 in emitted.  
  
H<sub>2</sub>S - hydrogen sulfide  
TRS - total reduced sulfur  
DEA - diethanolamine
  - (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
  - (5) These are the PSD-TX-682 emissions.
- \* Except as specified above, emission rates are based on and the facilities are limited by the following maximum operating schedule: Hrs/year 8,760
- \*\* Compliance with annual emission limits is based on a rolling 12-month period.
- \*\*\* Turbine and Auxiliary Heater can not run concurrently.

Dated December 21, 2006