

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 41945, PSD-TX-950, and N-018

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
P-3	Product Inhibitor Tank Vent	VOC (5)	<0.001	<0.001
P-6	Low-Pressure Flare	VOC (5)	165.39	2.17
		NO <sub>x</sub> (5)	8.41	0.18
		CO (5)	60.74	1.28
		SO <sub>2</sub> (5)	0.01	0.04
		H <sub>2</sub> S <0.001	<0.001	
P-7	High-Pressure Flare	VOC (5)	58.85	3.00
		NO <sub>x</sub> (5)	11.78	1.75
		CO (5)	60.04	8.93
		SO <sub>2</sub> (5)	12.36	0.33
		H <sub>2</sub> S 0.15	<0.001	
P-7	High Pressure Flare (maintenance)	VOC (5)	31.18	66.00
		NO <sub>x</sub> (5)	2.45	4.95
		CO (5)	12.46	25.22
		SO <sub>2</sub> (5)	1.77	0.02
TK-9804	Storm Water Tank	VOC (5)	0.51	0.06
CT	Cooling Tower	VOC (5)	3.07	13.43
		PM <sub>10</sub> (5)	2.31	6.72
ALKFUG	Fugitives InAlk Unit	VOC (5)	0.24	1.05
BDEFUG	Fugitives Butadiene Unit	VOC (5)	0.22	0.98
P-10	Tank Truck Loading	VOC (5)	0.22	0.01
P-11	Drum Loading	VOC (5)	0.04	0.01

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
TK-9810	Sulfuric Acid Tank	SO <sub>3</sub>	0.01	0.01
BLR	Boiler	VOC (5)	1.22	5.32
		NO <sub>x</sub> (5)	1.80	7.90
		CO (5)	18.30	80.10
		PM <sub>10</sub> (5)	1.46	6.40
		SO <sub>2</sub> (5)	3.25	14.24
		NH <sub>3</sub> 0.63	2.75	
NH3FUGST	Fugitives-Ammonia Storage	NH <sub>3</sub>	0.01	0.06
NH3FUGSKID	Fugitives-Injection Skid	NH <sub>3</sub>	0.005	0.02
P12	Ammonia Scrubber	NH <sub>3</sub>	0.12	0.01

- (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  
 PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.  
 CO - carbon monoxide  
 SO<sub>3</sub> - sulfur trioxide  
 NH<sub>3</sub> - ammonia  
 H<sub>2</sub>S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These emissions are permitted under PSD or Nonattainment review in addition to State.

\* 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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>

Dated March 30, 2005