

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)	0.01	0.01
P-6	Low-Pressure Flare	VOC (5)	165.39	2.17
		NO _x (5)	8.41	0.18
		CO (5)	60.74	1.28
		SO ₂ (5)	0.01	0.04
		H ₂ S 0.01	0.01	
P-7	High-Pressure Flare	VOC (5)	58.85	6.69
		NO _x (5)	11.78	1.99
		CO (5)	60.04	10.17
		SO ₂ (5)	12.36	0.33
		H ₂ S 0.15	0.01	
P-7	High Pressure Flare (maintenance)	VOC (5)	31.18	66.00
		NO _x (5)	2.45	4.95
		CO (5)	12.46	25.22
		SO ₂ (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 ₁₀ (5)	2.31	6.72
ALKFUG	Fugitives InAlk Unit (4)	VOC (5)	0.24	1.05
BDEFUG	Fugitives Butadiene Unit (4)	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
TK-9810	Sulfuric Acid Tank	SO ₃	0.01	0.01

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			lb/hr	TPY
BLR	Boiler	VOC (5)	1.22	5.32
		NO _x (5)	1.80	7.90
		CO (5)	18.30	80.10
		PM ₁₀ (5)	1.46	6.40
		SO ₂ (5)	3.25	14.24
		NH ₃ 0.63	2.75	
NH3FUGST	Fugitives-Ammonia Storage (4)	NH ₃	0.01	0.06
NH3FUGSKID	Fugitives-Injection Skid (4)	NH ₃	0.01	0.02
P12	Ammonia Scrubber	NH ₃	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_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM₁₀ - 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
 SO₃ - sulfur trioxide
 NH₃ - ammonia
 H₂S - hydrogen sulfide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (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

** Compliance with the annual limits is based on a rolling 12 month period.

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

Dated May 3, 2006