

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1978

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)	<u>Emission Rates*</u>	
			lb/hr	TPY**
FT17200700	Caustic Storage Tank	NaOH	<0.01	<0.01
FV17005000	Reactor Vent Scrubber	Cl <sub>2</sub>	0.12	0.48
FF17109700	Unit Flare	VOC	0.28	1.12
		NO <sub>x</sub>	0.04	0.15
		CO	0.33	1.32
		SO <sub>2</sub>	<0.01	<0.01
		HCl	2.04	8.16
FT17203000	Tank Farm Scrubber	HH	<0.01	<0.01
FL18009600	Drumming Scrubber	HH	<0.01	<0.01
FL17206400	Truck Loading Scrubber	HH	<0.01	<0.01
TO17306500	Thermatrix Thermal Oxidizer/ Scrubber	NO <sub>x</sub>	2.60	11.50
		CO	0.05	0.22
		VOC (5)	<0.01	0.04
		CHCl <sub>3</sub>	<0.01	0.04
		Acetone	<0.01	0.04
FU17000000	Process Fugitives (4)	NH <sub>3</sub>	0.17	0.76
		Cl <sub>2</sub>	0.02	0.07
		VOC (6)	0.08	0.36
		HH	0.07	0.31
		Acetone	0.06	0.28

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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) NaOH - sodium hydroxide  
Cl<sub>2</sub> - chlorine  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide  
HCl - hydrogen chloride  
HH - hydrazine hydrate  
CHCl<sub>3</sub> - chloroform  
NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) VOC excluding chloroform.
- (6) VOC excluding hydrazine hydrate.

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

Hrs/day\_\_\_Days/week\_\_\_Weeks/year\_\_\_ or Hrs/year 8,760

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

Dated September 7, 2004