

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18142

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	
<u>TPY **</u>				
30-36-1	Isostripper Reboiler (68.00 MMBtu/hr fired duty)	CO	5.71	25.01
		NO <sub>x</sub>	4.76	20.85
		PM <sub>10</sub>	0.52	2.28
		SO <sub>2</sub>	0.04	0.18
		VOC	0.37	1.64
30-0-0	Trycock HF Losses	HF	0.45	0.01
56-61-23	Unit 30 Flare (Waste Gas and Purge Gas Used)	CO	1.53	4.87
		NO <sub>x</sub>	3.06	9.72
		SO <sub>2</sub>	0.01	0.02
		VOC	4.57	8.13
54-22-16	Cooling Tower	HF (5)	0.03	0.12
		VOC	1.10	4.80
30-0-0	Process Fugitives (4)	VOC	4.92	21.55

(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

HF - hydrogen fluoride

NO<sub>x</sub> - total oxides of nitrogen

PM<sub>10</sub> - particulate matter 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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Total fluorides are shown which includes hydrogen fluoride.

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

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

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

Dated January 15, 2009