

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5953

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> *	
<u>TPY **</u>				
HTREF2631	Reformer No. 3 Combined Heaters	SO <sub>2</sub>	19.00	83.03
		NO <sub>x</sub>	32.40	142.00
		PM <sub>10</sub>	7.41	32.40
		CO	39.94	96.21
		VOC	1.51	6.60
TKTKF050	Tank 50	VOC	1.16	2.31
TKTKF342	Tank 342	VOC	1.78	3.40
TKTKF824	Tank 824	VOC	1.18	2.36
VTREF001	Reformer No. 3 Catalyst Regeneration Vent	PM <sub>10</sub>	0.04	0.20
		HCl	1.10	3.50
		Cl <sub>2</sub>	0.24	0.90
		NO <sub>x</sub>	0.01	0.04
		CO	0.36	1.60
FUREF003	Reformer No. 3 Fugitives (4)	VOC	7.41	32.50

- (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)  $PM_{10}$  - particulate matter (PM) 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 is emitted.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- $NO_x$  - total oxides of nitrogen
- $SO_2$  - sulfur dioxide
- CO - carbon monoxide
- $Cl_2$  - chlorine
- HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* 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 or 8,760  
Hrs/year

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

Dated March 5, 2004