

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80804

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**
FUMSS	Fugitive/Portable MSS Emissions to atmosphere in Refinery and Red Bluff Tank Farm Areas	VOC	1152.73	32.91
		NO <sub>x</sub>	3.95	0.85
		CO	4.59	0.99
		SO <sub>2</sub>	1.25	0.27
		H <sub>2</sub> S	0.01	0.01
		NH <sub>3</sub>	0.02	0.01
		HF	0.01	0.01
FLRFNMSS	MSS from East and West Flares	VOC	663.48	30.11
		NO <sub>x</sub>	58.47	4.59
		CO	297.93	25.73
		SO <sub>2</sub>	332.39	8.23
		H <sub>2</sub> S	3.33	0.05
		NH <sub>3</sub>	1.62	0.01
HTCRU001	MSS for SCR System (Atmospheric Tower Heater)	NO <sub>x</sub>	51.30	18.50
HTRCRU002	MSS for SCR System (Vacuum Tower Heater)	NO <sub>x</sub>	16.80	6.00

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

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- (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

CO - carbon monoxide

H<sub>2</sub>S - hydrogen sulfide

NH<sub>3</sub> - ammonia

HF - hydrogen fluoride

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

Dated October 26,

2009