

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 27773

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**
SMR-1	Reformer Furnace Stack	VOC	1.12	4.50
		CO	18.85	30.00
		NH <sub>3</sub>	10.40	45.60
		NO <sub>x</sub>	40.00	39.93
		PM	7.35	29.60
		SO <sub>2</sub>	2.40	10.51
SMR-2	Flare	CO	3.50	15.40
		NO <sub>x</sub>	1.30	5.56
		SO <sub>2</sub>	0.01	0.03
		VOC	0.01	0.04
SMR-2	Flare Start-up, Shutdown, and Maintenance	CO	476.50	17.20
		NO <sub>x</sub>	123.70	4.37
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
SMR-3	Fugitives (4)	CO	1.08	4.75
		NH <sub>3</sub>	0.03	0.11
		VOC	0.12	0.53
SMR-4	Emergency Vent	Emergency Use Only (5)		

- (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  
CO - carbon monoxide  
NH<sub>3</sub> - ammonia  
NO<sub>x</sub> - total oxides of nitrogen  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
PM<sub>10</sub> - particulate matter 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.

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- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.  
(5) Emergency emissions are not authorized by this permit.

\* 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 November 13, 2005