

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 44650

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**
14	Amine Reboiler (1.75 MMBtu/hr)	NO <sub>x</sub>	0.18	0.77
		CO	0.15	0.65
		VOC	0.01	0.04
		PM <sub>10</sub>	0.01	0.06
		SO <sub>2</sub>	0.01	0.01
15	Amine Reclaimer (0.585 MMBtu/hr)	NO <sub>x</sub>	0.06	0.26
		CO	0.05	0.22
		VOC	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		SO <sub>2</sub>	0.01	0.01
17	Process Flare (Acid Gas Combustion During Scheduled Maintenance)	NO <sub>x</sub>	0.08	0.01
		CO	0.87	0.06
		VOC	0.14	0.01
		SO <sub>2</sub>	399.20	25.81
		H <sub>2</sub> S	4.25	0.27
	Process Flare (Pilot Gas Combustion)	NO <sub>x</sub>	0.01	0.04
		CO	0.09	0.37
		VOC	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
	Amine System Fugitives (4)	VOC	2.00	8.75
		H <sub>2</sub> S	0.01	0.03
FUGINJ	Acid Gas Injection Equipment Fugitives (4)	VOC	0.01	0.03
		H <sub>2</sub> S	0.09	0.38

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- (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 area name or fugitive source name.
- (3) NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1  
PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.  
SO<sub>2</sub> - sulfur dioxide  
H<sub>2</sub>S - hydrogen sulfide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

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

Hrs/year 8,760

\*\* Compliance with the annual limits shall be determined on a 12-month rolling basis.

Dated August 3, 2009