

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 82

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**
FLARE-1	Flare No. 1	NO <sub>x</sub>	0.65	2.87
		CO	5.61	24.57
		SO <sub>2</sub>	41.37	181.19
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.38	1.65
		H <sub>2</sub> S	0.45	1.97
		VOC	0.36	1.57
AMREBOILER-1	Amine Unit Reboiler	NO <sub>x</sub>	0.77	3.37
		CO	0.65	2.83
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.06	0.26
		VOC	0.05	0.19
		Formaldehyde	0.01	0.03
		Hexane-N	0.01	0.06
AMREG-1	Amine Unit Regen. Vent	NO <sub>x</sub>	0.01	0.01
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.01	0.01
		H <sub>2</sub> S	0.01	0.01
		VOC	0.01	0.01
AMFLASH-1	Amine Unit Flash Vent	NO <sub>x</sub>	0.01	0.01
		CO	0.01	0.01
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.01	0.01
		H <sub>2</sub> S	0.01	0.01
		VOC	0.01	0.01
FUG-FLARE 0.01	Flare No. 1 Fugitives (4)	H <sub>2</sub> S		0.01
		VOC	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
COMP1 19.40	1,232-hp Waukesha	NO <sub>x</sub>	4.40	
	L-7042 (5)	CO	6.70	29.10
		SO <sub>2</sub>	0.01	0.03
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.01	0.40
		VOC	0.60	2.60
COMP2.2	1,265-hp Caterpillar G-3516 (5)	Formaldehyde	0.05	0.22
		NO <sub>x</sub>	5.58	24.43
		CO	8.37	36.64
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.10	0.42
		VOC	1.23	5.37
COMP3.2	1,265-hp Caterpillar G-3516 (5)	Formaldehyde	0.75	3.30
		NO <sub>x</sub>	5.58	24.43
		CO	8.37	36.64
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.10	0.42
		VOC	1.23	5.37
		Formaldehyde	0.75	3.30
		NO <sub>x</sub>	5.58	24.43
		CO	8.37	36.64
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.10	0.42
		VOC	1.23	5.37

- (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  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM<sub>10</sub> - particulate matter less than 10 microns  
 PM<sub>2.5</sub> - particulate matter less than 2.5 microns  
 CO - carbon monoxide  
 H<sub>2</sub>S - hydrogen sulfide
- (4) Fugitive emission rates are an estimate only and should not be considered as a maximum allowable emission rate.

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- (5) These emissions are authorized under Permits by Rule Number 38149 and are incorporated by reference only into this permit.
- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:  
8,760 hours/year
- \*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated: May 31, 2011