

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 52041

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**
26UTLFLR	Utilities Flare	CO	72.43	32.52
		SO <sub>2</sub>	0.24	0.17
		NO <sub>x</sub>	14.22	6.38
		VOC	154.52	48.57
26UTLFUG	Utilities Fugitives	VOC	0.20	0.88
30LRFLR	Loading Rack Flare	CO	28.23	0.92
		SO <sub>2</sub>	0.01	0.02
		NO <sub>x</sub>	3.29	0.11
		VOC	93.49	0.63
47ANAL1ST	Analyzer Emissions	VOC	4.63	12.39
47ANAL1ST	Analyzer Emissions (5)	VOC	1.61	4.66
47ANAL2ST	Analyzer Emissions	VOC	0.65	1.89
47HELD	Heavy Ends Loading	VOC	0.92	0.24
47MN528ST	Inhibitor Mix Tanks	VOC	12.02	7.91
47MT6FUG	VA Cooling Tower (4)	VOC	2.35	10.30
47240ST	Inhibitor Surge Tanks	VOC	11.85	3.85
47243ST	Inhibitor Surge Tanks	VOC	11.85	3.85
47V1296ST/47V636ST		Guard Beds	VOC	1.74
			0.03	
47VAFUG	VA Process Fugitives (4)	VOC	4.23	18.54

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
		CO	0.01	0.03
47VAFUG	VA Process Fugitives (4) (5)	VOC	0.02	0.10
47VASTM	VA Steam Vent	VOC	3.67	4.83

(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.

(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

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

(5) Emission rates that are currently authorized by Permit by Rule Registration Number 76314, effective July 20, 2005; Permit by Rule Registration Number 76157, effective July 5, 2005 and Permit by Rule Registration Number 81663, effective May 1, 2007, are incorporated into this permit by reference only.

\* 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 November 24, 2008