

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3216

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	
<u>TPY**</u>				
FOL601	Gas Oil Stabilizer Reboiler	NO <sub>x</sub>	3.8	15.4
		CO	1.3	5.4
		PM <sub>10</sub>	0.6	2.1
		SO <sub>2</sub> (5)	1.2	4.6
		VOC	0.1	0.5
FOL602	Stage 3 Preheater Furnace	NO <sub>x</sub>	1.6	5.5
		CO	0.6	2.0
		PM <sub>10</sub>	0.3	0.8
		SO <sub>2</sub> (5)	0.5	1.76
		VOC	0.04	0.13
FOL603	Hydrogen Preheat Furnace	NO <sub>x</sub>	3.6	10.5
		CO	1.3	3.7
		PM <sub>10</sub>	0.5	1.5
		SO <sub>2</sub> (5)	1.16	3.37
		VOC	0.09	0.26
FOL604	Gasoline Stabilizer Reboiler	NO <sub>x</sub>	4.9	21.5
		CO	1.3	5.7
		PM <sub>10</sub>	0.6	2.8
		SO <sub>2</sub> (5)	1.1	4.9
		VOC	0.1	0.5
HT2FUG	Fugitives (4)	VOC (6)	1.39	6.1
		Benzene	0.66	2.63
TOL600	Lube Oil Storage	VOC	0.05	1.5
TOL905	C6+ Pygas Storage	VOC (6)	5.1	15.2

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Benzene 2.5 7.6

- (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) 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 particulate matter greater than 10 microns in emitted.  
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) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions of SO<sub>2</sub> are based on hydrogen sulfide content in the fuel.
- (6) Emissions of VOC include Benzene for total emission rates.

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

Hrs/day\_\_\_Days/week\_\_\_Weeks/year\_\_\_or Hrs/year 8,760

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

Dated October 29, 2002