

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3791

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**
E12F017	Tank 1502	VOC	0.42	1.04
E12F018	Tank 1503	VOC	0.42	1.05
E12D003	Tank 1701	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
		SO <sub>3</sub>	0.01	0.01
E12D004	Tank 1702	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
		SO <sub>3</sub>	0.01	0.01
E12D005	Tank 1703	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
		SO <sub>3</sub>	0.01	0.01
E09A032	No. 3 Olefins Flare	VOC (4)	79.92	80.47
		Propylene	14.67	4.95
		NO <sub>x</sub>	6.47	4.19
		CO	46.71	30.26
		Acetone	8.20	2.40
		SO <sub>2</sub> 0.01	0.01	
E09A032	No. 3 Olefins Flare Start-up, Shutdown, and Maintenance Emissions	VOC (4)	105.38	49.91
		Propylene	22.10	5.30
		NO <sub>x</sub>	8.77	3.67
		CO	63.38	26.53
		Acetone	1.62	0.24
		SO <sub>2</sub> 0.01	0.01	
E14A014	Building 16 Process Water Tank	VOC	0.01	0.01
E12F1041	Tank 1041	VOC	0.01	0.01

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F12D001	Fugitives (6)	VOC (4)	7.79	34.14
		Propylene	0.26	1.13
		Acetone	0.32	1.38
E01A021	Tank 9004A	VOC	0.18	0.49
E12D010	Loading Rack	VOC	0.01	0.01
E12F032	Tank 1043 (5)	VOC	8.04	0.25
E12F016	Tank 1501 (5)	VOC	3.8	0.84
E12F026	Tank 1521 (5)	VOC	1.14	0.11
E12F027	Tank 1522 (5)	VOC	1.14	0.11

- (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 30 Texas Administrative Code § 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide  
 SO<sub>3</sub> - sulfur trioxide  
 H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
- (4) VOC includes propylene
- (5) Tanks will be shutdown by August 30, 2006.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* 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.

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Dated April 5, 2005