

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8199A

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 Emission Rates*		Air Contaminant		
Point No. (1)	Source	Name (2)		
Name (3)		lb/hr	TPY**	
601	Preheater	VOC	0.06	0.26
		NO <sub>x</sub>	1.56	6.82
		CO	0.92	4.04
		SO <sub>2</sub>	0.16	0.70
		PM <sub>10</sub>	0.08	0.37
16	High-Pressure Flare	VOC	6.31	25.13
		NO <sub>x</sub>	1.34	5.35
		CO	9.22	36.70
		SO <sub>2</sub>	0.01	0.03
16B	Low-Pressure Flare	VOC	0.75	1.05
		NO <sub>x</sub>	0.04	0.10
		CO	0.29	0.73
		SO <sub>2</sub>	0.01	0.02
17	MEA Storage Tank D-603	VOC	0.14	<0.01
18	Spent MEA Tank D-605	VOC	0.01	<0.01
45	2E2H Buffer Tank D-664	VOC	0.01	0.02
47	Spent NaOH Tank D-668	VOC	<0.01	<0.01
48	Wastewater Tank D-661	VOC	0.07	0.02
50	CO <sub>2</sub> Stripper Vent	VOC	0.41	1.62

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Emission Emission Rates*		Source	Air Contaminant	
Point No. (1)		Name (2)	Name (3)	lb/hr
TPY**				
			CO	20.25 80.60
52		2EH Shift Tank D-662A	VOC	0.26 0.03
53		2EH Shift Tank D-662B	VOC	0.26 0.03
54		2EH Shift Tank D-662C	VOC	0.26 0.03
55		2EH Storage Tank D-663A	VOC	0.42 0.20
56		2EH Storage Tank D-663B	VOC	0.42 0.20
57		2EH Storage Tank D-670	VOC	0.42 0.13
58		Loading Scrubber	VOC	12.87 1.26
59		Catalytic Oxidizer	VOC	0.69 2.73
146		2EH Liquids Loading	VOC	0.29 <0.01
MVLOADING		Marine Loading Losses	VOC	0.86 0.24
RRLOADING		Rail Loading Losses	VOC	8.41 1.00
TTLOADING		Truck Loading Losses	VOC	14.22 1.45
FUG-2EH		Fugitive Emissions (4)	VOC	5.36 23.50

(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

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Point No. (1)	Name (2)	Name (3)	lb/hr
TPY**			

fugitive source name.

(3) VOC - volatile organic compounds as defined in 30 Texas  
Administrative Code Section 101.1

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

PM<sub>10</sub> - particulate matter including total suspended particulate less  
than 10 microns in diameter

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(4) 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:

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 May 15, 2001