

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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 Point No. (1)	Source		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
51	2EH Vacuum Vent			VOC	2.3	9.9
52	Heptane Scrubber			VOC	1.9	8.4
57	CO2 Stripper Vent			VOC	0.37	1.6
16	High Pressure Flare			VOC	3.8	16.7
				NOx	0.61	2.7
				CO	3.6	15.6
16B	Low Pressure Flare			VOC	0.1	0.5
				NOx	0.1	0.5
				CO	0.1	0.5
F-2EH	Fugitive Emissions (4)			VOC	15.8	40.9
601-2EH	Natural Gas Preheater			VOC	0.83	0.15
				PM	0.01	0.05
				SO2	0.01	0.03
				NOx	1.7	7.6
				CO	0.43	1.9
17-2EH	MEA Storage Tank			VOC	0.003	0.015
114-2EH	FPA Buffer Tank			VOC	0.15	0.7
56-2EH	2EH Storage Tank			VOC	0.65	0.5
55-2EH	2EH Storage Tank			VOC	0.65	0.5
54-2EH	2EH Shift Tank			VOC	0.01	0.05
53-2EH	2EH Shift Tank			VOC	0.01	0.05

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52-2EH	2EH Shift Tank	VOC	0.01	0.05
60-2EH**	2EH Heavies Tank	VOC	0.003	0.015
61-2EH**	2EH Lights Tank	VOC	0.03	0.10

- (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 - particulate matter including total suspended particulate  
VOC - volatile organic compounds as defined in General Rule 101.1  
NOx - total oxides of nitrogen  
SO2 - sulfur dioxide  
CO - carbon monoxide
- (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

\*\* Emission points eliminated after installation of new D-640 and D-641 Storage Tanks with vents routed to low pressure flare.

Revised\_\_\_\_\_