

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2151

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	TPY
633-HR	Fractionator Reboiler F-63-F-2	NO <sub>x</sub>	2.94	11.73
		CO	2.20	6.15
		SO <sub>2</sub> (4)	1.23	2.46
		PM <sub>10</sub>	0.67	2.68
		VOC	0.14	0.54
633-PFR	Reactor Feed Heater F-63-F-1	NO <sub>x</sub>	3.12	12.43
		CO	2.34	6.52
		SO <sub>2</sub> (4)	1.31	2.61
		PM <sub>10</sub> (5)	1.07	4.70
		VOC	0.14	0.58
633-FUG	Fugitives (6)	VOC	1.01	4.41
		H <sub>2</sub> S	0.01	0.03
		NH <sub>3</sub>	<0.01	<0.01

(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 less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

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

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

CO - carbon monoxide

H<sub>2</sub>S - hydrogen sulfide

NH<sub>3</sub> - anhydrous ammonia

(4) Based on a three-hour rolling average.

(5) Based on the stack tests conducted November 4, 1996.

(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:

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Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year \_\_\_\_\_ or Hrs/year \_  
8,760