

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2347A

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		
109	51H-1 805 Charge Heater	NO <sub>x</sub>	7.56 33.11
		VOC	0.22 0.95
		SO <sub>2</sub>	0.05 0.20
		PM	0.39 1.70
		CO	2.72 11.90
121	51H-3 805 Reboiler	NO <sub>x</sub> (5)	5.28 23.13
		NO <sub>x</sub> (6)	2.64 11.56
		VOC	0.15 0.67
		SO <sub>2</sub>	0.03 0.14
		PM	0.27 1.19
		CO	1.90 8.31
F111	805 Fugitives	VOC	6.23 27.28
		H <sub>2</sub> S	0.55 2.43

(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) 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

PM - particulate matter

CO - carbon monoxide

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

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- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Allowable emission rate prior to the installation of Low-NO<sub>x</sub> burners which will limit NO<sub>x</sub> emissions to 0.06 lbs/MMBtu of heat input. The Low-NO<sub>x</sub> burners shall be installed prior to the commencement of operation of the SRU-I and SRU-II at the higher production rates, as represented on the Form PI-E ("Notification of Changes to Qualified Facilities"), dated June 25, 1996.
- (6) Allowable emission rate after the installation of low NO<sub>x</sub> burners as described above.

\* Emission rates are based on and the facilities are limited by a maximum operating schedule of 8,760 hours per year.

Dated\_\_\_\_\_