

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19673

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		
SHTU 4-1	Charge Heater No. 1		VOC		0.16	0.44
			NO <sub>x</sub>		3.28	9.14
			SO <sub>2</sub>		0.71	1.98
			PM <sub>10</sub>		0.13	0.37
			CO		0.94	2.62
SHTU 4-2	Charge Heater No. 2		VOC		0.16	0.44
			NO <sub>x</sub>		3.28	9.14
			SO <sub>2</sub>		0.71	1.98
			PM <sub>10</sub>		0.13	0.37
			CO		0.94	2.62
SHTU 4-3	Reboiler Heater		VOC		0.23	0.81
			NO <sub>x</sub>		4.85	16.99
			SO <sub>2</sub>		1.05	3.69
			PM <sub>10</sub>		0.20	0.70
			CO		1.39	4.88
FHTU 4	HTU No. 4 Fugitives (4)		VOC		0.57	2.52
FK33PH	No. 33PH Cooling Tower(5)		VOC			<0.01
EHTU	Emergency Flare		(Emergency use only)			

- (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<sub>10</sub> - particulate matter less than 10 microns  
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Nominal rate based upon first year rate sampling data.

\* 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

Dated \_\_\_\_\_