

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3153

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 Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY	
99	HDS Hydrobon Reboiler Heater East Stack	VOC		0.12	0.51
		SO <sub>2</sub>		1.31	5.72
		NO <sub>x</sub>		7.40	32.39
		CO		1.45	6.35
		PM <sub>10</sub>		0.21	0.91
100	HDS Hydrobon Reboiler Heater West Stack	VOC		0.12	0.51
		SO <sub>2</sub>		1.31	5.72
		NO <sub>x</sub>		7.40	32.39
		CO		1.45	6.35
		PM <sub>10</sub>		0.21	0.91
101	HDS Hydrobon Charge Heater East Stack	VOC		0.11	0.50
		SO <sub>2</sub>		1.29	5.65
		NO <sub>x</sub>		7.31	32.02
		CO		1.43	6.28
		PM <sub>10</sub>		0.20	0.90
102	HDS Hydrobon Charge Heater West Stack	VOC		0.11	0.50
		SO <sub>2</sub>		1.29	5.65
		NO <sub>x</sub>		7.31	32.02
		CO		1.43	6.28
		PM <sub>10</sub>		0.20	0.90
F-98	Piping Fugitives (4)	VOC		1.02	4.46

- (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  
SO<sub>2</sub> - sulfur dioxide  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
PM<sub>10</sub> - particulate matter less than 10 microns
- (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 24 Days/week 7 Weeks/year 52 or Hrs/year \_\_\_\_\_