

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19168

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)	<u>Emission Rates</u>	
			<u>lb/hr</u>	<u>TPY</u>
8001B	Regeneration Heater	NO <sub>x</sub>	0.66	0.14
		CO	0.32	0.07
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.07	0.02
8001B	Catalyst Regeneration 0.42		VOC	83.62
		CO	4.11	0.75
8002B	Second Stage Feed Heater	NO <sub>x</sub>	0.24	0.05
		CO	0.05	0.01
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.01
		PM	0.02	0.01
8003B	GHU Flare	VOC	0.99	4.23
		Nox	1.74	4.92
		CO	3.48	9.82
		SO <sub>2</sub>	0.01	0.02
8801U	GHU Cooling Tower	VOC	1.08	4.72
8801F	GHU Fugitive (4)	VOC	1.08	4.72
1052	Olefins Plant WW	VOC	0.298	1.30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

(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

IOC-U - inorganic compounds (unspeciated)

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

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

PM - particulate matter

CO - carbon monoxide

HCl - hydrogen chloride

HF - hydrogen fluoride

HBr - hydrogen bromide

HI - hydrogen iodide

NaOH - sodium hydroxide

(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 8760 Hrs/year