

## EMISSION SOURCES - EMISSION CAPS AND RATES

Permit No. 292

This table lists the maximum allowable emission caps or 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

<u>Emission</u> *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
Emission CAP EPNs	Emission CAP Sources			
E-DF137	Tank - cyclohexane			
E-DF138	Tank - hexane			
E-DF139	Tank - styrene			
E-DF140	Tank - styrene			
E-DF142	Tank - TNPP			
E-DHV	A Common Stack for all Drum Dryer Hood Vents			
T0-113	Thermal Oxidizer			
E-DM801	West Flare			
E-M600	South Flare			
F-DK801	DK801 Cooling Tower			
FLEX-FUG	Total Piping Fugitives			
E-PDN500	Transfer Losses to Crumb Sumps			
E-P200	Total Water Drawdowns to 200 area			
E-P500	Total Water Drawdowns to 500 area			
E-PBIO	Total Water Drawdowns to BIO			
E-PSTF	Water Drawdowns to STF			
E-P951	Water Drawdowns to NEPS			
	Emission Cap	VOC	565.20	657.62
	Emission Cap	Butadiene	2.69	10.89
	Emission Cap	Styrene	18.99	17.49
T0-113	Thermal Oxidizer (5)	NO <sub>x</sub>	8.95	39.19
		CO	16.74	73.34
		PM <sub>10</sub>	1.23	5.40
		SO <sub>2</sub>	0.05	0.22

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E-DM801/EM600	West and South Flares (5) 0.10	NO <sub>x</sub>		0.51
		CO	1.01	0.20

- (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) NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where particulate matter is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
 VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) VOC emissions for these sources are included in the Emissions Cap.

\* 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 \_\_\_\_\_