

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> *	<u>Source</u>	<u>Air Contaminant</u>	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
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 (10)			
E-FDRUM	Drum Dryer Product Fugitives			
E-FCRUMB	Crumb Unit Product Fugitives			
E-TO-113	Direct-Fired Thermal Oxidizer			
E-RGTO	Regenerative Thermal Oxidizer			
E-DM801	West Flare			
E-M600R	South Flare (11)			
FLEX-FUG	Total Piping Fugitives			
E-PDN500	Crumb Sump			
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 South Tank Farm			
E-P951	Water Drawdowns to NEPS			
Emission Cap Prior to June 30, 1999	VOC (6)	831.86	1286.69	
Emission Cap From June 30, 1999 through 12/31/2000	VOC (7)	507.58		
	804.09			

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Emission *	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 From 1/1/2001 through 6/30/2001	584.86	VOC (8)	419.72	
Emission Cap After June 30, 2001		VOC (9)	331.87	365.63

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E-T0-113	Direct-Fired Thermal Oxidizer (4)	NO _x	8.95	39.19
		CO	16.74	73.34
		PM ₁₀	1.23	5.40
		SO ₂	0.05	0.22
E-RGT0	Regenerative Thermal Oxidizer (4)	NO _x	0.74	3.22
		CO	0.15	0.68
		PM ₁₀	0.09	0.37
		SO ₂	0.01	0.02
E-DM801/EM600	West and South Flares (4)	NO _x		15.43
	1.27	CO	30.80	2.53
E-DM801/EM600	West and South Flares (5)	VOC		2.06
	0.01 Pump Maintenance			
F-DK801	DK801 Cooling Tower	VOC	0.71	3.13
E-PMaint	Pump Maintenance To Atm.	VOC		50.02
	0.23			

(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_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

PM₁₀ - 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

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emitted.

VOC - volatile organic compounds as defined in General Rule 101.1 and measured as hexane.

- (4) VOC emissions for these sources are included in the Emissions Cap.
- (5) Additional VOC emissions from pump maintenance activities.
- (6) Emission Cap prior to June 30, 1999 is before installation of Regenerative Thermal Oxidizer (E-RGT0)
- (7) Emission Cap from June 30, 1999 through 12/31/2000 is based on installation of the RGT0 without the emissions from the spiral conveyors being routed to the RGT0 for control.
- (8) Emission Cap from 1/31/2001 through 6/30/2001 is based on the emissions from one spiral conveyor being routed to the RGT0 for control.
- (9) Emission Cap after June 30, 2001 is based on the emissions from both spiral conveyors being routed to the RGT0 for control.
- (10) The common stack for all Drum Dryer Hood Vents (EPN E-DHV) will be routed to the RGT0 for control not later than June 30, 1999.
- (11) Flare 600R replaces Flare 600, as required by special condition.

* 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 _____

Dated _____