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

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * 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-FCRUMB3	Crumb Unit 3 Product Fugitives			
E-TO-113	Direct-Fired Thermal Oxidizer			
E-RGTO	Regenerative Thermal Oxidizer			
E-DM801	West Flare			
E-M600R/E-M600	South Flares			
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 September 30, 1999 **(7/99)**		VOC (6)	831.86	1286.69
Emission Cap From 9/30/1999 through 12/31/2000 **(7/99)**		VOC (7)	507.58	804.09
Emission Cap From 1/1/2001 through 6/30/2001		VOC (8)	516.75	835.61
Emission Cap After June 30, 2001		VOC (9)	428.34	614.32

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
E-TO-113	Direct-Fired Thermal Oxidizer (4)	NO_X	7.00	17.83
		CO	16.74	73.34
		PM_{10}	0.70	3.07
		SO_2	0.05	0.22
E-RGTO	Regenerative Thermal Oxidizer (4)	NO_X	1.69	7.40
		CO	1.01	3.62
		PM_{10}	0.09	0.37
		SO_2	0.01	0.02
E-DM801/E-M600R/ E-M600	West and South Flares (4)	NO_X	18.38	2.58
		CO	36.68	5.16
		BF_3	0.0013	0.000048
E-DM801/E-M600R/ E-M600	West and South Flares (5) Pump Maintenance	VOC	2.06	0.01
F-DK801	DK801 Cooling Tower	VOC	1.47	6.44
F-DK1801	DK1801 Cooling Tower	VOC	1.05	4.60
E-PMAINT	Pump Maintenance To Atm.	VOC	50.02	0.23

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources use area name or fugitive source name.
(3) NO_X - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1 and measured as hexane.
BF_3 - boron trifluoride
(4) VOC emissions for these sources are included in the Emissions Cap.

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(5) Additional VOC emissions from the flare related to pump maintenance activities; excluded from the Emissions Cap.
(6) Emission Cap prior to September 30, 1999 is before installation of Regenerative Thermal Oxidizer (E-RGTO) **(7/99)**
(7) Emission Cap from September 30, 1999 through December 31, 2000 is based on installation of the RGTO without the emissions from the spiral conveyors being routed to the RGTO for control. **(7/99)**
(8) Emission Cap from January 31, 2001 through June 30, 2001 is based on the emissions from one spiral conveyor being routed to the RGTO for control.
(9) Emission Cap after June 30, 2001 is based on the emissions from both spiral conveyors being routed to the RGTO for control.
(10) The common stack for all Drum Dryer Hood Vents (EPN E-DHV) will be routed to the RGTO for control not later than September 30, 1999. **(7/99)**

* 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 _____