EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 6308 and PSD-TX-137M1

EMISSION CAP TABLE

This table lists the maximum allowable emission caps 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.

NO_x EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units	2000 through 2005	425.24	921.00
Fired Units, Boilers	2006	448.84	1024.00

CO EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units	2000 through 2005	272.15	479.12
Fired Units, Boilers	2006	300.45	603.02

SO_2 EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units	2000 through 2005	277.09	160.20
Fired Units, Boilers	2006	289.08	191.80

PM EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units	2000 through 2005	50.30	190.58
Fired Units, Boilers	2006	53.20	203.38

VOC EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units, Cooling Towers, Tanks, Fugitives, Wastewater, Miscellaneous (4)	2000 through 2005	653.73	606.16
Fired Units, Cooling Towers, Tanks, Fugitives, Wastewater, Miscellaneous, Boilers (4)	2006	647.33	578.26

Toluene EMISSION CAP

Source Name	Year	lb/hr	TPY
Tanks E11TKS23, E11TKR17, and E11TKR18	2000	0.96	2.53

Xylene EMISSION CAP

Source Name	Year	lb/hr	TPY
Tanks E11TKS32, E11TKR9, and E11TKR11	2000	11.92	13.06

Benzene EMISSION CAP

Source Name	Year	lb/hr	TPY
Tanks E11TKS22, E11TKR5, E11TKR7, and Tank E11TKS21	2000	1.34	2.77

Cyclohexane EMISSION CAP

Source Name	Year	lb/hr	TPY
Tanks E11TKS21, E11TKR34, and E11TKR40	2000	0.78	2.67

MTBE EMISSION CAP

Source Name	Year	lb/hr	TPY
Tanks E12TK146 and E18TK125	2000	2.11	4.28

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
FL-27	East Flare	VOC	23.51	71.49
		NO_x	2.34	7.15
		CO	12.10	36.82
		SO_2	0.59	1.79
		H_2S	0.01	0.02
22	Boiler No. HA-5 (5)	VOC	0.65	2.84
		NO_x	33.0	145.0
		CO	9.90	43.40
		SO_2	3.68	9.67
		PM_{10}	0.90	3.92
23	Boiler No. HA-6 (5)	VOC	0.65	2.84
		NO_x	33.0	145.0
		CO	9.90	43.40
		SO_2	3.68	9.67
		PM_{10}	0.90	3.92
24	Boiler No. HA-7 (5)	VOC	0.65	2.84
		NO_x	33.0	145.0
		CO	9.90	43.40
		SO_2	3.68	9.67
		PM_{10}	0.90	3.92
Sulfur Recovery Unit No. 1				
S-84	Tail Gas Incinerator (TGI) Stack	VOC	0.13	0.58
		NO_x		2.41
				10.60
		CO	5.75	25.20

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code Section 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter 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.
CO - carbon monoxide
MTBE - methyl-tert-butyl ether
H_2S - hydrogen sulfide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Boilers HA-5, HA-6, and HA-7 emission rates are valid through 2005 or until Low-NO_x burners have been installed. After 2005, the boilers are in the emission caps.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____Hrs/day _____Days/week _____Weeks/year or 8,760 Hrs/year

Dated February 8, 2002