

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 6308 and PSD-TX-137M1

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.

## NO<sub>x</sub> EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units	2000 through 2005	426.75	927.60
Fired Units, Boilers	2006	450.35	1030.60

## CO EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units	2000 through 2005	273.66	485.72
Fired Units, Boilers	2006	301.96	609.62

## SO<sub>2</sub> EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units	2000 through 2005	277.98	269.31
Fired Units, Boilers	2006	289.98	300.91

## PM EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units	2000 through 2005	50.73	192.48
Fired Units, Boilers	2006	53.63	205.28

## VOC EMISSION CAP

Source Name	Year	lb/hr	TPY
Fired Units, Cooling Towers, Tanks, Fugitives, Wastewater, Miscellaneous (4)	2000 through 2005	655.37	614.95
Fired Units, Cooling Towers, Tanks, Fugitives,	2006	648.97	587.05

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Wastewater, Miscellaneous, Boilers (4)

Toluene EMISSION CAP

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

Xylene EMISSION CAP

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

Benzene EMISSION CAP

<u>Source Name</u>	<u>Year</u>	<u>lb/hr</u>	<u>TPY</u>
Tanks E11TKS22, E11TKR5, and E11TKR7	2000	1.34	2.77

Cyclohexane EMISSION CAP

<u>Source Name</u>	<u>Year</u>	<u>lb/hr</u>	<u>TPY</u>
Tanks E11TKS21, E11TKR34, and E11TKR40	2000	0.86	2.94

Cyclohexane EMISSION CAP

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

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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA			Emission Rates *
		Air Contaminant Name (3)		lb/hr	TPY
FL-27	East Flare	VOC		23.51	71.49
		NO <sub>x</sub>	2.34	7.15	
		CO	12.10	36.82	
		SO <sub>2</sub>	0.59	1.79	
		H <sub>2</sub> S	0.01	0.02	
22	Boiler No. HA-5 (5)	VOC		0.65	2.84
		NO <sub>x</sub>	33.00	145.00	
		CO	9.90	43.40	
		SO <sub>2</sub>	3.68	9.67	
		PM <sub>10</sub>	0.90	3.92	
23	Boiler No. HA-6 (5)	VOC		0.65	2.84
		NO <sub>x</sub>	33.00	145.00	
		CO	9.90	43.40	
		SO <sub>2</sub>	3.68	9.67	
		PM <sub>10</sub>	0.90	3.92	
24	Boiler No. HA-7 (5)	VOC		0.65	2.84
		NO <sub>x</sub>	33.00	145.00	
		CO	9.90	43.40	
		SO <sub>2</sub>	3.68	9.67	
		PM <sub>10</sub>	0.90	3.92	

(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 an area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

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

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

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be

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assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

H<sub>2</sub>S - 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<sub>x</sub> 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 \_\_\_\_\_Hrs/year

Dated January 19, 2001