

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

18999/PSD-TX-755

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.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u>	
			lbs/hr	TPY
1-104BC	Furnace No. 5 (104 MMBTU/HR, LHV)	VOC	0.27	1.2
		NOx (5)	12.5	54.7
		NOx (6)	8.3	36.4
		SO2	0.12	0.5
		PM10	1.0	4.4
		CO	7.8	34.2
1-104BC	Furnace No. 6 (104 MMBTU/HR, LHV)	VOC	0.27	1.2
		NOx (5)	12.5	54.7
		NOx (6)	8.3	36.4
		SO2	0.12	0.5
		PM10	1.0	4.4
		CO	7.8	34.2
1-104BD	Boiler (227.5 MMBTU/HR, LHV)	VOC	0.68	1.9
		NOx	30.0	107.5
		SO2	0.29	0.8
		PM10	2.4	6.8
		CO	19.3	55.5
1-105B	Acid Gas Flare	SO2	58.3	242.4
		H2S	0.6	2.5
V-1	Decoking Vent	SO2	1.6	0.07
		PM10	7.9	0.35
		CO	54.0	2.4
FUG	Fugitives (4)	VOC	8.48	37.1
		Benzene	0.06	0.26

(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 General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM<sub>10</sub> - particulate matter less than 10 microns  
CO - carbon monoxide  
H<sub>2</sub>S - hydrogen sulfide

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- (4) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.
- (5) NOx emission rates represent conditions when firing plant gas fuels containing hydrogen.
- (6) NOx emission rates represent conditions when firing straight natural gas.

\* 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 8,760

Revised\_\_\_\_\_