

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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)	Emission Rates	
			lb/hr	TPY
1-104BC	Furnace No. 5 (104 MMBTU/HR, LHV)	VOC	0.27	1.2
		NO _x (5)	12.5	54.7
		NO _x (6)	8.3	36.4
		SO ₂	0.12	0.5
		PM ₁₀	1.0	4.4
		CO	7.8	34.2
1-104BC	Furnace No. 6 (104 MMBTU/HR, LHV)	VOC	0.27	1.2
		NO _x (5)	12.5	54.7
		NO _x (6)	8.3	36.4
		SO ₂	0.12	0.5
		PM ₁₀	1.0	4.4
		CO	7.8	34.2
1-104BD	Boiler (227.5 MMBTU/HR, LHV)	VOC	0.68	1.9
		NO _x	30.0	107.5
		SO ₂	0.29	0.8
		PM ₁₀	2.4	6.8
		CO	19.3	55.5
1-105B	Acid Gas Flare	VOC	1.4	6.0
		NO _x	0.4	1.9
		SO ₂	36.9	161.6
		CO	2.2	9.6
		H ₂ S	0.4	1.8
V-1	Decoking Vent	SO ₂	1.6	0.07
		PM ₁₀	7.9	0.35
		CO	54.0	2.4

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FUG	Fugitives (4)	VOC	3.38	14.82
		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_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM₁₀ - particulate matter less than 10 microns
CO - carbon monoxide
H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.
- (5) NO_x emission rates represent conditions when firing plant gas fuels containing hydrogen.
- (6) NO_x 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

Dated _____