

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 32263/PSD-TX-866

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
CG-1	Turbine/HRSG	NO _x	56.51	247.49
		CO (4)	36.00	105.12
		CO (5)	317.00	319.74
		VOC	5.80	22.25
		SO ₂	1.25	5.49
		PM ₁₀	9.00	39.42
		NH ₃	21.55	94.40
B-1	Auxiliary Boilers (three auxiliary gas boilers 22.65 venting through a common stack) 2.55	NO _x	42.47	37.21
		CO		25.85
		VOC		5.83
		SO ₂	0.23	0.05
		PM ₁₀	4.67	2.12
F-1	Fugitives (6)	VOC	0.04	0.19
(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			
	SO ₂ - sulfur dioxide			
	CO - carbon monoxide			
	PM ₁₀ - particulate matter less than 10 microns in diameter			
	NH ₃ - ammonia			

- (4) Maximum allowable CO emission rate at loads greater than 70 percent of the gas turbine's baseload.
- (5) Maximum allowable CO emission rate at turndown load (which is 40 to 70 percent of the gas turbine's baseload). The sum of both CO TPY emission rates is the yearly CO TPY limit.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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- * Gas turbine emission rates are based on and the gas turbine is limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Hours/year 8,760

- * If the Gas Turbine (EPN CG-1) and any of the auxiliary boilers are fired (above 13 MMBtu/Hr) at the same time, then the combined emissions of the Gas Turbine (EPN CG-1), the auxiliary boilers being fired, and the auxiliary boilers not being fired (above 13 MMBtu/Hr) will not exceed the sum of the maximum allowable emissions from EPN CG-1 and B-1 on a lb/hr or ton/year basis.

Dated _____