

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 41500 and PSD-TX-943

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	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	Lb/hr.	TPY
<u>Turbine and Duct Burner</u>				
CU 1	Turbine/HRSG No. 1 (GE 7241 FA Turbine with 700 MMBtu/hr Duct Burner)	NO _x	164.75	
		CO	116.90	
		PM/PM ₁₀	35.90	
		VOC	19.72	
		SO ₂	48.35	
		H ₂ SO ₄	7.40	
CU 2	Turbine/HRSG No. 2 (GE 7241 FA Turbine with 700 MMBtu/hr Duct Burner)	NO _x	164.75	
		CO	116.90	
		PM/PM ₁₀	35.90	
		VOC	19.72	
		SO ₂	48.35	
		H ₂ SO ₄	7.40	
CU 3	Turbine/HRSG No. 3 (GE 7241 FA Turbine with 700 MMBtu/hr Duct Burner)	NO _x	164.75	
		CO	116.90	
		PM/PM ₁₀	35.90	
		VOC	19.72	
		SO ₂	48.35	
		H ₂ SO ₄	7.40	
<u>Fugitives</u>				
FUG	Piping Fugitives	VOC	2.02	2.38
		H ₂ S	0.002	0.004

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			Lb/hr.	TPY

Auxiliary Boilers

AB 1	Auxiliary Boiler 1 315 MMBtu/hr	NO _x	18.84	
		CO	28.11	
		PM/PM ₁₀	1.57	
		VOC	2.81	
		SO ₂	9.40	

AB 2	Auxiliary Boiler 2 315 MMBtu/hr	NO _x	18.84	
		CO	28.11	
		PM/PM ₁₀	1.57	
		VOC	2.81	
		SO ₂	9.40	

AB 3	Auxiliary Boiler 3 315 MMBtu/hr	NO _x	18.84	
		CO	28.11	
		PM/PM ₁₀	1.57	
		VOC	2.81	
		SO ₂	9.40	

Turbines, Duct Burners, and Auxiliary Boilers (tons per year)

CU 1, 2, and 3 AB 1, 2, and 3	Annual Total for Three Turbines/ Duct Burner and Three Auxiliary Boilers	NO _x		1230.1
		CO		1028.1
		PM/PM ₁₀		340.4
		VOC		112.1
		SO ₂		189.3
		H ₂ SO ₄		29.0

Cooling Towers

CT	Cooling Towers	PM/PM ₁₀	11.15	48.85
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- (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)
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 - PM₁₀ - particulate matter (PM) 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.
 - VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1.
 - SO₂ - sulfur dioxide
 - H₂SO₄ - sulfuric acid

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:
8,760 Hrs/year

* The combined annual heat input for the three duct burners based on any consecutive 12-month period shall not exceed 10,117,800 MMBtu/yr (Higher Heating Value).

* Steam augmentation for 1,000 hours per year per turbines.

Dated _____