

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 46426 and PSD-TX-999

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
Turbine and Duct Burner (Hourly Limits)				
GT-1	CTG1 and HRSG1 (General Electric 7FA Turbine with Duct Burner firing of up to 775 MMBtu/hr)	NO _x	49.44	
		CO	151.20	
		PM ₁₀	14.78	
		VOC	29.51	
		SO ₂	37.06	
		NH ₃	25.70	
		H ₂ SO ₄	5.67	
GT-2	CTG2 and HRSG2 (General Electric 7FA Turbine with Duct Burner firing of up to 775 MMBtu/hr)	NO _x	49.44	
		CO	151.20	
		PM ₁₀	14.78	
		VOC	29.51	
		SO ₂	37.06	
		NH ₃	25.70	
		H ₂ SO ₄	5.67	
GT-3	CTG3 and HRSG3 (General Electric 7FA Turbine with Duct Burner firing of up to 775 MMBtu/hr)	NO _x	49.44	
		CO	151.20	
		PM ₁₀	14.78	
		VOC	29.51	
		SO ₂	37.06	
		NH ₃	25.70	
		H ₂ SO ₄	5.67	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
AUXBOIL1	Auxiliary Steam Boiler 1	NO _x	12.10	
		CO	25.70	
		PM ₁₀	2.65	
		VOC	1.92	
		SO ₂	4.99	
		H ₂ SO ₄	0.76	
AUXBOIL2	Auxiliary Steam Boiler 2	NO _x	12.10	
		CO	25.70	
		PM ₁₀	2.65	
		VOC	1.92	
		SO ₂	4.99	
		H ₂ SO ₄	0.76	
Turbines and Duct Burners (Combined Annual Limits)				
GT-1, GT-2 GT-3, AUXBOIL1, and AUXBOIL2	CTG1, 2, and 3/HRSG1, 2 and 3 and Auxiliary Steam Boilers 1 and 2	NO _x		504.0
		CO**		1955.3
		PM ₁₀ **		203.5
		VOC		367.1
		SO ₂		28.2
		NH ₃		294.1
		H ₂ SO ₄		4.3
CT-CG	Cooling Tower	PM ₁₀	0.98	3.68
COGENFUG	Cogeneration Unit Fugitives	VOC	1.60	6.99
		NH ₃	0.02	0.08
LUBEOILTK	Lube Oil Tanks	VOC	0.03	0.13

- (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 area name or fugitive source name.
 - (3)
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. This includes both front and back half collected. This also includes (NH₄)₂SO₄ emissions.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - SO₂ - sulfur dioxide
 - NH₃ - ammonia
 - H₂SO₄ - sulfuric acid mist
 - (NH₄)₂SO₄ - ammonium sulfate
- * The maximum lb/hr NO_x emissions rate is based upon a rolling three-hour average concentration. The lb/hr NO_x emissions rate listed above represents a maximum three-hour average lb/hr emissions rate.
- ** The CO and PM₁₀ emissions are regulated under PSD-TX-999 permit authorization.

Dated _____