

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 41941 and PSD-TX-948

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**
Turbine Only (Hourly Limits)				
CTG-1A	GE-7FA Turbine	NO _x	64.00	
		CO	32.00	
		VOC	3.00	
		PM ₁₀	13.20	
		SO ₂	27.17	
CTG-1B	GE-7FA Turbine	NO _x	64.00	
		CO	32.00	
		VOC	3.00	
		PM ₁₀	13.20	
		SO ₂	27.17	
Turbine and Duct Burner (Hourly Limits)				
CTG-1A	GE-7FA Turbine with 300 MMBtu/hr Duct Burner	NO _x	88.00	
		CO	62.00	
		VOC	4.65	
		PM ₁₀	16.20	
		SO ₂	31.46	
CTG-1B	GE-7FA Turbine with 300 MMBtu/hr Duct Burner	NO _x	88.00	
		CO	62.00	
		VOC	4.65	
		PM ₁₀	16.20	
		SO ₂	31.46	

Turbine and Duct Burner (Annual Limits)

CTG-1A	GE-7FA Turbine with 300 MMBtu/hr Duct Burner	NO _x		302.04
		CO		182.64
		VOC		15.56
		PM ₁₀		63.82
		SO ₂		18.69
CTG-1B	GE-7FA Turbine with 300 MMBtu/hr Duct Burner	NO _x		302.04
		CO		182.64
		VOC		15.56
		PM ₁₀		63.82
		SO ₂		18.69
TG1A-OV	Turbine Oil Mist Vent (4)	VOC	0.03	0.13
TG1B-OV	Turbine Oil Mist Vent (4)	VOC	0.03	0.13
STG-1	Steam Turbine No. 1 Oil Vent (4)	VOC	0.03	0.13
FWP-1	Firewater Pump Engine (5)	NO _x	9.30	0.56
		CO	2.00	0.12
		VOC	0.75	0.05
		PM ₁₀	0.66	0.04
		SO ₂	0.62	0.04
TANK-1	Diesel Tank	VOC	0.025	<0.01
FUG-1	Fugitive Emissions (6)	VOC	0.67	2.92
CTOWER-1	Cooling Tower (7)	PM ₁₀	2.45	10.72

EMISSIONS FROM SOURCE SUMMATION TABLE OF EMISSION RATES

AIR CONTAMINANTS DATA

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

- (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 30 Texas Administrative Code Section 101.1
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter, 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.
- (4) Turbine oil mist vent emissions are an estimate only based on estimates from mist vent eliminator manufacturer data.
- (5) Emissions are based on normal operation of 120 operating hours per year.
- (6) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.
- (7) Cooling tower PM₁₀ emissions are an estimate only based on manufacturers test data.

* Emission rates are based on an operating schedule of 8,760 hours/year.

** Compliance with the annual emission limits is based on a rolling 12-month year rather than the calendar year.

Dated January 30, 2001