

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 25384 and PSD-TX-839

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**
E-CT/HRSG	250 MW East Combustion Turbine and 375 MMBtu/hr Heat Recovery Steam Generator (4)	NO _x	115.7	272.8
		CO	348.5	462.6
		VOC	30.0	42.3
		SO ₂	87.22	72.50
		PM	57.8	65.2
		PM ₁₀	57.0	61.9
		NH ₃	32.5	130.5
		Pb	0.1	<0.1
FP-1	Fire Pump (5) 182 Hp	NO _x	1.87	0.02
		CO	0.41	<0.01
		VOC	0.15	<0.01
		SO ₂	0.12	<0.01
		PM	0.13	<0.01
SO ₄ -TK	Sulfuric Acid Tank	VOC	<0.1	<0.1
OIL-TK1	Fuel Oil Tank	VOC	0.6	0.3
OIL-TK2	Fuel Oil Tank	VOC	0.6	0.3

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- (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 an area name or fugitive source name.
- (3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀.
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. Note that the PM₁₀ emissions limit represents a subset of the PM emissions limit. Therefore, the PM₁₀ and PM emissions rates are not additive.
- NH₃ - ammonia
Pb - lead
- (4) The allowable emissions shown represent worse-case emissions for 8,040 hours and 720 hours of natural gas and fuel oil firing, respectively, in the CT. The HRSG fires natural gas only and supplies steam to a 104 MW steam turbine.
- (5) Source qualifies for Permit by Rule 30 TAC § 106.511.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____Hrs/day _____Days/week _____Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated October 5, 2004