

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1467

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
NATURAL GAS FIRING - 8,520 HRS				
S4-1	Westinghouse 69 MW Turbine Model W501-B6 with 124 MMBtu/hr Duct Burner	NO _x	188.1	655.1
		CO	839.7	1619.2
		SO ₂ (7)	17.3	11.5
		VOC	6.8	18.3
		PM/PM ₁₀	17.4	70.7
S4-2	Westinghouse 69 MW Turbine Model W501-B6 with 124 MMBtu/hr Duct Burner	NO _x	188.1	655.1
		CO	839.7	1619.2
		SO ₂ (7)	17.3	11.5
		VOC	6.8	18.3
		PM/PM ₁₀	17.4	70.7
COMBINED FIRING - 7,824 HRS NATURAL GAS AND 696 HRS FUEL OIL (4) (5)				
S4-1	Westinghouse Model W501-B6 Turbine with 124 MMBtu/hr Duct Burner	NO _x	324.8	703.4
		CO	839.7	1599.4
		SO ₂	68.3	34.2
		VOC	45.9	32.7
		PM/PM ₁₀	37.1	77.5
S4-2	Westinghouse Model W501-B6 Turbine with 124 MMBtu/hr Duct Burner	NO _x	324.8	703.4
		CO	839.7	1599.4
		SO ₂	68.3	34.2
		VOC	45.9	32.7
		PM/PM ₁₀	37.1	77.5
F-1	Fugitives (6)	VOC	0.5	2.2
F-2	Cooling Tower Fugitives (6)	Cl ₂	1.2	5.3
		PM/PM ₁₀	0.9	3.7

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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) PM - particulate matter suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is listed, it shall be assumed that no PM greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
Cl₂ - chlorine
- (4) Hourly rate for combined firing based on worst-case fuel.
- (5) Annual limits for combined firing represents 7,824 hours (hrs) of natural gas and 696 hrs of fuel oil firing.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (7) The pounds per hour emission rates for SO₂ are based on 5 grains of sulfur/100 standard cubic feet (scf). The tons per year emissions rates for SO₂ are based on 1 grain of sulfur/100 scf.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated June 16, 2005