

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 40619 and PSD-TX-933

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
S-1 (TS-1)	GE Model 7241FA Gas Turbine (Temporary Stack)	NO _x	63.0	254.1
		CO	31.0	122.7
		SO ₂	10.5	5.0
		VOC	3.0	12.3
		PM/PM ₁₀ (4)	18.0	78.9
		H ₂ SO ₄	0.8	0.4
S-2 (TS-2)	GE Model 7241FA Gas Turbine (Temporary Stack)	NO _x	63.0	254.1
		CO	31.0	122.7
		SO ₂	10.5	5.0
		VOC	3.0	12.3
		PM/PM ₁₀ (4)	18.0	78.9
		H ₂ SO ₄	0.8	0.4
S-3	GE Model 7121EA Gas Turbine	NO _x	35.0	140.2
		CO	58.0	232.2
		SO ₂	6.0	2.9
		VOC	2.0	7.9
		PM/PM ₁₀ (4)	10.0	43.8
		H ₂ SO ₄	0.5	0.3
S-4	GE Model 7121EA Gas Turbine	NO _x	35.0	140.2
		CO	58.0	232.2
		SO ₂	6.0	2.9
		VOC	2.0	7.9
		PM/PM ₁₀ (4)	10.0	43.8
		H ₂ SO ₄	0.5	0.3
Fugit EPN-5	Piping Fugitives (5)	VOC	0.44	1.99
C-1	Cooling Tower	PM/PM ₁₀	2.7	12.7

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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) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
NO_x - total oxides of nitrogen
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.
CO - carbon monoxide
H₂SO₄ - sulfuric acid
- (4) Particulate matter includes condensibles (both front-half and back-half of the sample train).
- (5) Fugitive emissions are an estimate only.

* 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_____