

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 20862 and PSD-TX-799

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 (5)	
<u>TPY(6)</u>				
55STK_001	40 MW GE Frame 6 Gas-Fired Turbine and 270 MMBtu/hr Duct Burner Equipped With Selective Catalytic Reduction (SCR) NH ₃	NO _x	39.0	136.7
		CO *	32.6	126.1
		PM ₁₀ *	7.9	31.5
		VOC	13.1	48.4
		SO ₂	27.5	86.6
		SO ₃	2.0	4.4
		H ₂ SO ₄	2.0	4.4
			11.4	44.5
55FUG_001	Cogeneration Unit Area Fugitives (4)	VOC	0.2	0.86
		NH ₃	0.03	0.14
		H ₂ S	<0.001	<0.002

- (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) PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not 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
 SO₃ - sulfur trioxide
 H₂SO₄ - sulfuric acid mist
 CO - carbon monoxide
 NH₃ - ammonia
 H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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- (5) The hourly emission rates are based on 20°F ambient temperature using the worst-case (short-term) fuel, high hydrogen fuel.
- (6) The annual emission rates are based on 69°F ambient temperature using the worst-case (long-term) fuel, rated refinery fuel gas.

* PSD regulated contaminant

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

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

Dated April 10, 2003