

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit 20535

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
17A	Solar Taurus Gas Turbine (GT No. 4) WHB No. 8 and 12.75 MMBtu/hr Davis Duct Burner	CO	9.09	20.10
		NO _x	7.43	31.89
		SO ₂	1.00	4.04
		PM ₁₀	0.27	1.05
		VOC	0.14	0.56
17B	Solar Taurus Gas Turbine (GT No. 5) WHB No. 9 and 12.75 MMBtu/hr Davis Duct Burner	CO	9.09	20.10
		NO _x	7.43	31.89
		SO ₂	1.00	4.04
		PM ₁₀	0.27	1.05
		VOC	0.14	0.56
17C	Solar Taurus Gas Turbine (GT No. 6) WHB No. 10 and 12.75 MMBtu/hr Davis Duct Burner	CO	9.09	20.10
		NO _x	7.43	31.89
		SO ₂	1.00	4.04
		PM ₁₀	0.97	1.05
		VOC	0.14	0.56
17A, 17B, 17C	Maximum Combined Annual Emissions from all Turbines and Duct Burners	CO		56.90
		NO _x		83.96
		SO ₂		9.79
		PM ₁₀		3.15
		VOC		1.47

Total annual emission rates for the Cogeneration Facility Expansion Project will be less than the sum of the individual emission point emissions since the duct burners will be fired only while one or more turbines are down.

Standard Exemption Numbers 34964 and 38174, authorized in 1997 and 1998 under Title 30 Texas Administrative Code § 106.512 (30 TAC § 106.512) regarding the replacement of Gas Turbine No. 6 (Solar T-6500) and Gas Turbine No. 4 (Solar T-6200), respectively, are included in this permit by reference only.

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- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) VOC - volatile organic compounds as defined in 30 TAC § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM₁₀ - particulate matter (PM) <10 microns in aerodynamic diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns in diameter is emitted.
 - CO - carbon monoxide

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

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

Dated April 11, 2006