

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

C-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 *	
			#/hr	TPY
17A (GT No. 4 & WHB No. 8)	Solar Taurus Gas Turbine with Deltak 10.0 MMBtu/hr Duct Burner	CO No _x SO ₂ PM ₁₀ VOC	9.27 7.51 1.07 0.97 0.17	36.90 29.86 4.03 3.51 0.66
17B (GT No. 5 & WHB No. 9)	Solar Taurus Gas Turbine with Deltak 10.0 MMBtu/hr Duct Burner	CO No _x SO ₂ PM ₁₀	9.27 7.51 1.07 0.97	36.90 29.86 4.03 3.51
0.66				VOC 0.17
17C (GT No. 6 & WHB No. 10)	Solar Taurus Gas Turbine with Deltak 10.0 MMBtu/hr Duct Burner	CO No _x SO ₂ PM ₁₀ VOC	9.27 7.51 1.07 0.97 0.17	36.90 29.86 4.03 3.51 0.66
17A, 17B, 17C	Maximum Combined Annual Emissions from all Turbines and Duct Burners	CO No _x SO ₂ PM ₁₀		99.00 75.00 10.11 10.11
1.44				VOC

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.

- (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 General Rule 101.1

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* 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 8760

No_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM₁₀ - particulate matter <10 microns in aerodynamic diameter

CO - carbon monoxide