

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 25034

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)	Name (3)	lb/hr	Air Contaminant TPY	<u>Emission Rates *</u>	
<u>TURBINE-ONLY EMISSIONS</u>						
E02B026	Gas Turbine, PT-2405			NO _x	28.0	109.5
				CO	28.0	109.5
				VOC	5.0	17.5
				SO ₂	5.8	22.3
				PM ₁₀	5.0	21.9
<u>DUCT BURNER CONTRIBUTION</u>						
E02B026	Heat Recovery Steam Generator, F-2507			NO _x (5)	29.1	110.8
				CO	23.3	88.5
				VOC	8.4	32.0
				SO ₂	4.9	12.7
				PM ₁₀	2.9	11.0
<u>COMBINED-CYCLE FIRING EMISSIONS</u>						
E02B026	GTG PT-2405 and HRSG F-2507			NO _x (5)	57.1	220.3
				CO	51.3	198.0
				VOC	13.4	49.5
				SO ₂	10.7	35.0
				PM ₁₀	7.9	32.9
F02BGF3-01	Process Fugitives			VOC	<0.1	0.1

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (2) Specific point source name. For fugitive sources use area name or fugitive source name.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) PM - particulate matter
PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These NO_x emission rates are applicable while the HRSG is firing mixed fuel gas. When the HRSG is firing natural gas, the hourly emission rates from the duct burner contribution shall be 23.3 lb/hr. Accordingly, the combined-cycle emissions will be 51.3 lb/hr.

* 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 _____