

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 21429

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>

### CASE I: TURBINE WITH DUCT BURNER FIRED

EPN-1	GE Frame 6 Turbine and 128 MMBtu/hr Duct Burner	NO <sub>x</sub>	20.8	75.0
		CO	24.52	103.0
		SO <sub>2</sub>	8.0	32.0
		PM	6.82	26.9
		VOC	7.84	30.0
		SO <sub>3</sub>	0.24	1.1
		NH <sub>3</sub>	8.40	30.5

### CASE II: TURBINE ONLY - DUCT BURNER UNFIRED

EPN-1	GE Frame 6 Turbine and 128 MMBtu/hr Duct Burner	NO <sub>x</sub>	16.2	56.0
		CO	16.0	66.0
		SO <sub>2</sub>	6.0	26.3
		PM	5.5	26.0
		VOC	7.0	17.5
		SO <sub>3</sub>	50.2	0.9
		NH <sub>3</sub>	6.6	22.7

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) PM - particulate matter
- VOC - volatile organic compounds as defined in General Rule 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- CO - carbon monoxide
- SO<sub>3</sub> - sulfur trioxide
- NH<sub>3</sub> - ammonia

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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u> <u>lb/hr</u> <u>TPY</u>	
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24 Hrs/day    7 Days/week    52 Weeks/year or    8,760 Hrs/year

Dated \_\_\_\_\_