

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20862/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		Air Contaminant		<u>Emission Rates **</u>	
	Name (2)	Name (3)	lb/hr	TPY		
GTG-1	40 MW GE Frame 6 Gas-Fired Turbine and 270 MMBtu/hr Duct Burner Equipped With Selective Catalytic Reduction (SCR) NH3		NOx		39.0	136.7
			CO *		32.6	126.1
			PM10 *		7.9	31.5
			VOC		13.1	48.4
			SO2		27.5	86.7
			SO3		2.0	4.4
			H2SO4		2.0	4.4
			NH3	11.4	44.5	
FUG-1	Cogeneration Unit Area Fugitives (4)	VOC NH3 H2S		1.8	7.9	
				<0.1	<0.2	
				<0.001	<0.001	

- (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 less than 10 microns  
VOC - volatile organic compounds as defined in General Rule 101.1  
NOx - 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.
- (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

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\*\* 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 \_\_\_\_\_