

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 39842 and PSD-TX-919

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)		
	Lb/hr.      TPY			

### Turbine and Duct Burner (lbs/hr)

GT-HRSG No. 1	Turbine/HRSG No. 1 (GE 7241 FA Turbine with 500 MMBtu/hr Duct Burner)	NO <sub>x</sub>	154.0	
		CO	80.9	
		PM <sub>10</sub>	28.0	
		VOC	1.6	
		SO <sub>2</sub>	34.4	
		H <sub>2</sub> SO <sub>4</sub>	2.6	
GT-HRSG No. 2	Turbine/HRSG No. 2 (GE 7241 FA Turbine with 500 MMBtu/hr Duct Burner)	NO <sub>x</sub>	154.0	
		CO	80.9	
		PM <sub>10</sub>	28.0	
		VOC	1.6	
		SO <sub>2</sub>	34.4	
		H <sub>2</sub> SO <sub>4</sub>	2.6	

### Turbines and Duct Burners (tons per year)

GT-HRSG Nos. 1 and 2	Turbine/HRSG Nos. 1 and 2 (GE 7241 FA Turbine with 500 MMBtu/hr Duct Burner)	NO <sub>x</sub>	767.0	
		CO	597.9	
		PM <sub>10</sub>	233.9	
		VOC	13.6	
		SO <sub>2</sub>	13.6	
		H <sub>2</sub> SO <sub>4</sub>	2.25	
FUG	Piping Fugitives	VOC	0.1	0.42

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- (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)  $\text{NO}_x$  - total oxides of nitrogen  
CO - carbon monoxide  
 $\text{PM}_{10}$  - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1.  
 $\text{SO}_2$  - sulfur dioxide  
 $\text{H}_2\text{SO}_4$  - sulfuric acid
- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

8,760 Hrs/year

Dated November 19, 1999