

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 40040 and PSD-TX-923

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 *	
			lb/hr	TPY**
Case I: Natural Gas Firing - Normal Operations, including Partial Load				
STACK1	ABB GT24	NO <sub>x</sub>	34.0	--
STACK2		CO	254.0	--
STACK3		VOC	17.6	--
STACK4		SO <sub>2</sub>	4.2	--
		PM <sub>10</sub>	20.0	--
		NH <sub>3</sub>	25.2	--
Case II: Natural Gas Firing - Evaporative Cooling and Steam Injection Mode				
STACK1	ABB GT24	NO <sub>x</sub>	34.0	--
STACK2		CO	105.0	--
STACK3		VOC	10.0	--
STACK4		SO <sub>2</sub>	5.2	--
		PM <sub>10</sub>	24.3	--
		NH <sub>3</sub>	24.7	--
Case III: Fuel Oil Firing				
STACK1	ABB GT24	NO <sub>x</sub>	77.0	--
STACK2		CO	310.0	--
STACK3		VOC	18.0	--
STACK4		SO <sub>2</sub>	111.0	--
		PM <sub>10</sub>	112.0	--
		NH <sub>3</sub>	31.1	--
Annual Emission Limits For All Four Turbines Combined				
STACK1	ABB GT24	NO <sub>x</sub>	--	611.2
STACK2		CO	--	865.9
STACK3		VOC	--	132.4
STACK4		SO <sub>2</sub>	--	213.2
		PM <sub>10</sub>	--	478.4
		NH <sub>3</sub>	--	418.8
FUG	Site Fugitives	VOC	0.29	1.27
		NH <sub>4</sub> OH	0.15	0.65

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - NH<sub>3</sub> - ammonia
  - NH<sub>4</sub>OH - ammonium hydroxide
  - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated April 6, 2009