

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 31914 and PSD-TX-857

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
1	Gas turbine/HRSG 1	NO <sub>x</sub>	229.1	-
		CO (5)	79.6	-
		VOC	4.0	-
		SO <sub>2</sub>	119.9	-
		PM	33.2	-
		PM <sub>10</sub>	22.7	-
		H <sub>2</sub> SO <sub>4</sub>	9.2	-
		NH <sub>3</sub>	18.9	73.4
2	Gas turbine/HRSG 2	NO <sub>x</sub>	229.1	-
		CO (5)	79.6	-
		VOC	4.0	-
		SO <sub>2</sub>	119.9	-
		PM	33.2	-
		PM <sub>10</sub>	22.7	-
		H <sub>2</sub> SO <sub>4</sub>	9.2	-
		NH <sub>3</sub>	18.9	73.4
3	Gas turbine/HRSG 3	NO <sub>x</sub>	229.1	-
		CO (5)	79.6	-
		VOC	4.0	-
		SO <sub>2</sub>	119.9	-
		PM	33.2	-
		PM <sub>10</sub>	22.7	-
		H <sub>2</sub> SO <sub>4</sub>	9.2	-
		NH <sub>3</sub>	18.9	73.4
4	Gas turbine/HRSG 4	NO <sub>x</sub>	229.1	-
		CO (5)	79.6	-
		VOC	4.0	-
		SO <sub>2</sub>	119.9	-
		PM	33.2	-
		PM <sub>10</sub>	22.7	-
		H <sub>2</sub> SO <sub>4</sub>	9.2	-

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		NH <sub>3</sub>	18.9	73.4
	Emissions Cap (6)	NO <sub>x</sub>	-	2430.8
		CO	-	1080.4
		VOC	-	18.3
		SO <sub>2</sub>	-	146.4
		PM/PM <sub>10</sub>	-	368.2
5	Fugitives(4)	VOC	0.3	1.5
6	Piping Fugitives(4)	NH <sub>3</sub>	0.1	0.5

- (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) 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  
 CO - carbon monoxide  
 H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
 NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Short-term emission rates of CO are based on a 30-day rolling average. **(2/07)**
- (6) Emissions Cap represents the maximum allowable emissions from EPNs 1-4 of this permit and EPNs 51-7-5, 51-7-6, 51-7-8, and 51-7-9 of Permit Number 56216. The holder of this permit is responsible for obtaining an accurate report of the monthly emissions from the EPNs in Permit Number 56216 no later than the 25th day of the current month to create a total for the previous 12 months of emissions data. Refusal of the holder of Permit Number 56216 to provide the data is not a defense. If necessary, an alteration of this permit to remove the EPNs in Permit Number 56216 cap shall be required if the necessary data is not consistently available.

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

\_ Hrs/day \_ Days/week \_Weeks/year or 8,760 Hrs/year

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

Dated December 22, 2008