

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6029 and PSDTX50M2

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**
Pre-burner Tuning				
1-1	Boiler Generator No. 1 5750 MMBtu/hr	NO <sub>x</sub>	4025	13840
		CO (4)	608	2156
		VOC (4)	182	647
		PM <sub>10</sub>	509	1793
		SO <sub>2</sub>	6108	21520
Post-Burner Tuning				
1-1 (5)	Boiler Generator No. 1 5750 MMBtu/hr	NO <sub>x</sub>	2012	5492
		CO (4)	1955	8296
		CO (MSS)	4025	
		VOC (4)	182	647
		PM <sub>10</sub>	509	1793
		SO <sub>2</sub>	6108	21520
GAS-VNT-1	Gas Source Venting	VOC	31	0.42

- (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
  - MSS - maintenance, startup, and shutdown emission
- (4) The CO and VOC emissions rates are calculated based on Environmental Protection Agency, AP-42, Compilation of Air Pollution Factors, Volume 1, Chapter 1.
- (5) NO<sub>x</sub>, VOC, PM<sub>10</sub>, and SO<sub>2</sub> MSS emissions are included in the lb/hr. The annual emission rates include MSS annual emissions.

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- \* 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.

DATE: March 23, 2011