

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9559 and PSDTX648

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA	
			<u>Emission Rates</u> *	
			lb/hr	TPY**
501	3.5 MW Turbine 80 MMBtu/hr Boiler (Cogeneration Unit)	NO <sub>x</sub> ***	15.0	14.1
		NO <sub>x</sub> (MSS) (6) ***	25.0	---
		CO	9.40	42.6
		VOC	1.60	7.25
		PM	3.60	16.3
		SO <sub>2</sub>	2.04	8.77
		NH <sub>3</sub>	0.72	3.28
504	Ammonia Fugitives (4)	NH <sub>3</sub>	0.06	0.25
		NH <sub>3</sub> (MSS) (6)	0.01	0.01
INS	Insignificant Activities (5)	VOC	0.65	0.01

- (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) 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 - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub>, equal to or less than 10 microns in diameter, and PM<sub>2.5</sub>, equal to or less than 2.5 microns in diameter  
 CO - carbon monoxide  
 NH<sub>3</sub> - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Planned maintenance, startup and shutdown emissions and insignificant activities are described in the special conditions.

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(6) MSS lb/hr limits apply only during each clock hour that include one or more minutes of MSS activities. During all other hours, the normal lb/hr limits apply.

\* 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 8760 Hrs/year

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

\*\*\* Emissions are regulated under PSDTX648 permit authorization.

Date            March 25, 2011  
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