

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 106011 and PSDTX1310

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.

## Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (5)
CTG-7	Simple Cycle CTG (4,6,7) Model GE 7FA.05	NO <sub>x</sub>	70.8	86.0
		NO <sub>x</sub> (MSS)	108	-
		CO	30.4	99.0
		CO (MSS)	1,182	-
		VOC	7.4	13.0
		VOC (MSS)	126	-
		PM	9.3	11.7
		PM <sub>10</sub>	9.3	11.7
		PM <sub>2.5</sub>	9.3	11.7
		SO <sub>2</sub>	2.9	3.4
		H <sub>2</sub> SO <sub>4</sub>	0.2	0.3
CTG-8	Simple Cycle CTG (4,6,7) Model GE 7FA.05	NO <sub>x</sub>	70.8	86.0
		NO <sub>x</sub> (MSS)	108	-
		CO	30.4	99.0
		CO (MSS)	1,182	-
		VOC	7.4	13.0
		VOC (MSS)	126	-
		PM	9.3	11.7
		PM <sub>10</sub>	9.3	11.7
		PM <sub>2.5</sub>	9.3	11.7
		SO <sub>2</sub>	2.9	3.4
		H <sub>2</sub> SO <sub>4</sub>	0.2	0.3

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FP-3	Firewater Pump Normal and MSS Operations	NO <sub>x</sub>	2.0	0.50
		CO	1.7	0.43
		VOC	0.23	0.06
		PM	0.10	0.02
		PM <sub>10</sub>	0.10	0.02
		PM <sub>2.5</sub>	0.10	0.02
		SO <sub>2</sub>	0.03	0.01
NG1	Natural Gas Piping Fugitives (8)	VOC	0.11	0.46
DE1	Diesel Fuel Storage Tank	VOC	0.03	<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) NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
SO<sub>2</sub> - sulfur dioxide  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
MSS - maintenance, startup, and shutdown emissions
- (4) Compliance with the pound per hour CTG emission limits for NO<sub>x</sub> and CO is based on a three-hour rolling average for normal operations and a block one-hour average for MSS operations.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates include normal and planned MSS emissions.
- (6) Planned maintenance, startup and shutdown (MSS) for all pollutants are authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (7) PM/PM<sub>10</sub>/PM<sub>2.5</sub> emission rates include H<sub>2</sub>SO<sub>4</sub>.
- (8) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: May 13, 2015