

# Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX119

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for sources of air contaminants on the applicant's property authorized by this permit. Any proposed increase in emission rates may require an application for a modification of the facilities authorized by this permit.

## Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
CTG-1	Simple cycle CT Model - GE 7FA.04	N <sub>2</sub> O (5)	0.54
		CH <sub>4</sub> (5)	5
		CO <sub>2</sub> (5)	286,550
		CO <sub>2</sub> e	286,847
CTG-2	Simple cycle CT Model - GE 7FA.04	N <sub>2</sub> O (5)	0.54
		CH <sub>4</sub> (5)	5
		CO <sub>2</sub> (5)	286,550
		CO <sub>2</sub> e	286,847
CTG-3	Simple cycle CT Model - GE 7FA.04	N <sub>2</sub> O (5)	0.54
		CH <sub>4</sub> (5)	5
		CO <sub>2</sub> (5)	286,550
		CO <sub>2</sub> e	286,847
Auxiliary Sources			
FWP	Firewater Pump Engine (Normal and MSS Operation)	N <sub>2</sub> O (5)	0.001
		CH <sub>4</sub> (5)	0.003
		CO <sub>2</sub> (5)	78.3
		CO <sub>2</sub> e	78.5
NG1	Natural Gas Piping Fugitives	CH <sub>4</sub> (5)	3.05
		CO <sub>2</sub> (5)	0.09
		CO <sub>2</sub> e	76.2

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FUG-SF <sub>6</sub>	Circuit Breaker Insulation Fugitives	SF <sub>6</sub> (5)	0.012075
		CO <sub>2</sub> e	275.3

- (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) CH<sub>4</sub> - methane  
CO<sub>2</sub> - carbon dioxide  
CO<sub>2</sub>e - carbon dioxide equivalents based on the following Global Warming Potentials (11/2014): CO<sub>2</sub> (1), N<sub>2</sub>O (298), CH<sub>4</sub> (25), and SF<sub>6</sub> (22,800).  
N<sub>2</sub>O - nitrous oxide  
SF<sub>6</sub> - sulfur hexafluoride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. These emission rates include maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date: January 13, 2016