

# Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX118

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

## Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
CT-1	Combustion Turbine 1	CO <sub>2</sub> (5)	336,960
		CH <sub>4</sub> (5)	6
		N <sub>2</sub> O (5)	1
		CO <sub>2</sub> e	337,408
CT-2	Combustion Turbine 2	CO <sub>2</sub> (5)	336,960
		CH <sub>4</sub> (5)	6
		N <sub>2</sub> O (5)	1
		CO <sub>2</sub> e	337,408
CT-3	Combustion Turbine 3	CO <sub>2</sub> (5)	336,960
		CH <sub>4</sub> (5)	6
		N <sub>2</sub> O (5)	1
		CO <sub>2</sub> e	337,408
CT-4	Combustion Turbine 4	CO <sub>2</sub> (5)	336,960
		CH <sub>4</sub> (5)	6
		N <sub>2</sub> O (5)	1
		CO <sub>2</sub> e	337,408
FGH-1	Fuel Gas Heater 1	CO <sub>2</sub> (5)	2,816
		CH <sub>4</sub> (5)	0.05
		N <sub>2</sub> O (5)	0.005
		CO <sub>2</sub> e	2818.74

## Emission Sources - Maximum Allowable Emission Rates

FGH-2	Fuel Gas Heater 2	CO <sub>2</sub> (5)	380
		CH <sub>4</sub> (5)	0.007
		N <sub>2</sub> O (5)	0.0007
		CO <sub>2</sub> e	380
FGH-3	Fuel Gas Heater 3	CO <sub>2</sub> (5)	380
		CH <sub>4</sub> (5)	0.007
		N <sub>2</sub> O (5)	0.0007
		CO <sub>2</sub> e	380
FGH-4	Fuel Gas Heater 4	CO <sub>2</sub> (5)	380
		CH <sub>4</sub> (5)	0.007
		N <sub>2</sub> O (5)	0.0007
		CO <sub>2</sub> e	380
FGH-5	Fuel Gas Heater 5	CO <sub>2</sub> (5)	380
		CH <sub>4</sub> (5)	0.007
		N <sub>2</sub> O (5)	0.0007
		CO <sub>2</sub> e	380
FP-1	Fire Water Pump	CO <sub>2</sub> (5)	13
		CH <sub>4</sub> (5)	0.0005
		N <sub>2</sub> O (5)	0.0001
		CO <sub>2</sub> e	13.043
SF6-FUG	Circuit Breaker 1	SF <sub>6</sub> (5)	0.000375
		CO <sub>2</sub> e	8.6
SF6-FUG	Circuit Breaker 2	SF <sub>6</sub> (5)	0.000375
		CO <sub>2</sub> e	8.6
SF6-FUG	Circuit Breaker 3	SF <sub>6</sub> (5)	0.000375
		CO <sub>2</sub> e	8.6

## Emission Sources - Maximum Allowable Emission Rates

SF6-FUG	Circuit Breaker 4	SF <sub>6</sub> (5)	0.000375
		CO <sub>2</sub> e	8.6
VOC-FUG	VOC Fugitives (6)	CO <sub>2</sub> (5)	0.8
		CH <sub>4</sub> (5)	27.7
		CO <sub>2</sub> e	693.3
MSS-FUG	ILE Maintenance Fugitives (6)	CO <sub>2</sub> (5)	0.0020
		CH <sub>4</sub> (5)	0.13
		CO <sub>2</sub> e	3.4

- (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) CO<sub>2</sub> - carbon dioxide  
N<sub>2</sub>O - nitrous oxide  
CH<sub>4</sub> - methane  
SF<sub>6</sub> - sulfur hexafluoride  
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), SF<sub>6</sub> (22,800)
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Date: June 30, 2017