

# Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX163

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)
MCPS1-CAP	MCPS Combined Cycle Unit 1 Emission Cap	CO <sub>2</sub> (5)	3,038,717
		CH <sub>4</sub> (5)	56
		N <sub>2</sub> O (5)	5.6
		CO <sub>2</sub> e	3,041,805
MCPS-EMGEN	MCPS Emergency Generator	CO <sub>2</sub> (5)	149
		CH <sub>4</sub> (5)	0.01
		N <sub>2</sub> O (5)	<0.01
		CO <sub>2</sub> e	150
MCPS-FWP	MCPS Emergency Fire Water Pump	CO <sub>2</sub> (5)	16
		CH <sub>4</sub> (5)	<0.01
		N <sub>2</sub> O (5)	<0.01
		CO <sub>2</sub> e	16
MCPS-NGFUG	MCPS Natural Gas Fugitive Emissions	CO <sub>2</sub> (5)	2
		CH <sub>4</sub> (5)	37
		CO <sub>2</sub> e	927
MCPS-CBFUG	MCPS Circuit Breaker Fugitives	SF <sub>6</sub> (5)	0.02
		CO <sub>2</sub> e	342
MCPSMSSFUG	MCPS Maintenance Activities	CO <sub>2</sub> (5)	4
		CH <sub>4</sub> (5)	75
		CO <sub>2</sub> e	1868

(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 (1/2015):  
 CO<sub>2</sub> (1), N<sub>2</sub>O (298), CH<sub>4</sub>(25), SF<sub>6</sub> (22,800)

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- (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.

Date: March 27, 2018