

# Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX137

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)
4000-B	Charge Gas Heater/ SCR2	CO <sub>2</sub> (5)	232,901
		CH <sub>4</sub> (5)	13
		N <sub>2</sub> O (5)	3
		CO <sub>2</sub> e	233,960
4026-B	Waste Heat Boiler/ SCR1	CO <sub>2</sub> (5)	775,068
		CH <sub>4</sub> (5)	27
		N <sub>2</sub> O (5)	4
		CO <sub>2</sub> e	777,066
4065-JT	Gas Turbine 4065 MSS	CO <sub>2</sub> (5)	1,053
		CH <sub>4</sub> (5)	0.02
		N <sub>2</sub> O (5)	<0.01
		CO <sub>2</sub> e	1,054
F-1-101-U	Cooling Tower (8 cell)	CH <sub>4</sub> (5)	(6)
		CO <sub>2</sub> e	(6)
PLANT	Plant Fugitives (6)	CH <sub>4</sub> (5)	(6)
		CO <sub>2</sub> e	(6)

(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  
 HFCs - hydrofluorocarbons

Emission Sources - Maximum Allowable Emission Rates

- PFCs - perfluorocarbons
- 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), HFC ( various), PFC (various)

- (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) There are no enforceable numerical emission limits for these sources. They are subject to the work practices noted in Special Condition Nos. 6 and 7 of this permit.

Date: June 24, 2016