

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX116

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)
CTG1-STK	Combustion Turbine Unit 1 (Siemens F5)	CO ₂ (5)	318,834
		CH ₄ (5)	5.9
		N ₂ O (5)	0.6
		CO ₂ e	319,160
HTR1	Fuel Gas Heater	CO ₂ (5)	402
		CH ₄ (5)	0.01
		N ₂ O (5)	<0.01
		CO ₂ e	403
VOC-FUG	VOC Fugitives (6)	CO ₂ (5)	0.15
		CH ₄ (5)	10.15
		CO ₂ e	254
MSS-FUG	ILE Maintenance Fugitives (6)	CO ₂ (5)	<0.01
		CH ₄ (5)	0.13
		CO ₂ e	3.4
FUG-SF6	Circuit Breaker Insulation (6)	SF ₆ (5)	<0.01
		CO ₂ e	9

(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.

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- (3) CO₂ - carbon dioxide
- N₂O - nitrous oxide
- CH₄ - methane
- SF₆ - sulfur hexafluoride
- CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):
CO₂ (1), N₂O (298), CH₄(25), SF₆ (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: March 1, 2016