

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 Normal Operations	CO ₂ (5)	258,240
		CH ₄ (5)	14
		N ₂ O (5)	3
		CO ₂ e	259,484
4026-U	Waste Heat Boiler/ SCR1 Normal Operations	CO ₂ (5)	775,068
		CH ₄ (5)	27
		N ₂ O (5)	4
		CO ₂ e	777,066
4065-JT	Gas Turbine 4065 MSS	CO ₂ (5)	1,053
		CH ₄ (5)	0.02
		N ₂ O (5)	<0.01
		CO ₂ e	1,054
F-1-101-U	Cooling Tower (8 cell)	CH ₄ (5)	(6)
		CO ₂ e	(6)
PLANT	Plant Fugitives Including 109 Splitter Project (6)	CH ₄ (5)	(6)
		CO ₂ 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) CO₂ - carbon dioxide
N₂O - nitrous oxide
CH₄ - methane
HFCs - hydrofluorocarbons
PFCs - perfluorocarbons
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), HFC (various), PFC (various)

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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.
- (6) There are no enforceable numerical emission limits for these sources. They are subject to the work practices noted in Special Condition Nos. 7 and 8 of this permit.

Date: December 16, 2021