

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX108

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)
1-A, 1-B, 1-C	Boiler 1A to 1C Cap	CO ₂ (5)	113,619
		CH ₄ (5)	2.14
		N ₂ O (5)	0.21
		CO ₂ e	113,737
2A	Small Boiler	CO ₂ (5)	6,456
		CH ₄ (5)	0.12
		N ₂ O (5)	0.01
		CO ₂ e	6,462
HTR1	Hot Oil Heater 1	CO ₂ (5)	20,494
		CH ₄ (5)	0.39
		N ₂ O (5)	0.04
		CO ₂ e	20,515
MVCU-1, MVCU-2, MVCU-3, MVCU-4, MVCU-5, & RAILVCU	Controlled Loading VCU Cap	CO ₂ (5)	124,465
		CH ₄ (5)	4.87
		N ₂ O (5)	0.94
		CO ₂ e	124,867
T-COMB CAP	Temporary Portable Combustion Units	CO ₂ (5)	29,142
		CH ₄ (5)	1.37
		N ₂ O (5)	0.27
		CO ₂ e	29,258
FWP1	Fire Water Pump 1	CO ₂ (5)	1,958
		CH ₄ (5)	0.08
		N ₂ O (5)	0.02
		CO ₂ e	1,964
FWP2	Fire Water Pump 2	CO ₂ (5)	1,958
		CH ₄ (5)	0.08
		N ₂ O (5)	0.02

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		CO ₂ e	1,964
FWP3	Fire Water Pump 3	CO ₂ (5)	1,958
		CH ₄ (5)	0.08
		N ₂ O (5)	0.02
		CO ₂ e	1,964
FWP4	Fire Water Pump 4	CO ₂ (5)	1,958
		CH ₄ (5)	0.08
		N ₂ O (5)	0.02
		CO ₂ e	1,964
FUG	Piping Fugitive Components	CH ₄ (5)	27
		CO ₂ e	665
MSS-C	MSS Emissions Cap - Controlled	CO ₂ (5)	12,857
		CH ₄ (5)	0.60
		N ₂ O (5)	0.12
		CO ₂ e	12,908
TRKFLR	Controlled Truck Loading VCU	CO ₂ (5)	607
		CH ₄ (5)	0.01
		N ₂ O (5)	<0.01
		CO ₂ e	608

- (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
CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):
CO₂ (1), N₂O (298), CH₄(25)
- (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: September 10, 2021