

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)
BOILERCAP	Boiler 1A to 1C Cap	CO ₂ (5)	119,074
		CH ₄ (5)	2.21
		N ₂ O (5)	0.22
		CO ₂ e	119,195
2A	Small Boiler	CO ₂ (5)	6,843
		CH ₄ (5)	0.13
		N ₂ O (5)	0.01
		CO ₂ e	6,850
HTR1	Hot Oil Heater 1	CO ₂ (5)	20,737
		CH ₄ (5)	0.39
		N ₂ O (5)	0.04
		CO ₂ e	20,758
SHIP FUG	Ship Dock Fugitives	CH ₄ (5)	75.59
		CO ₂ e	1,890
VAPCOMBCAP	Emissions Cap for Vapor Combustors 1-3	CO ₂ (5)	207,528
		CH ₄ (5)	0.34
		N ₂ O (5)	3.35
		CO ₂ e	208,535
TCOMBCAP	Temporary Control Units Caps	CO ₂ (5)	10,852
		CH ₄ (5)	0.94
		N ₂ O (5)	0.19
		CO ₂ e	10,932

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FRCAP	Emissions Cap for Floating Roof Tanks	CH ₄ (5)	28.91
		CO ₂ e	723
FWP1	Fire Water Pump 1	CO ₂ (5)	171
		CH ₄ (5)	<0.01
		N ₂ O (5)	<0.01
		CO ₂ e	171
FWP2	Fire Water Pump 2	CO ₂ (5)	171
		CH ₄ (5)	<0.01
		N ₂ O (5)	<0.01
		CO ₂ e	171
FUG	Fugitive Emissions	CO ₂ (5)	1.01
		CH ₄ (5)	21.07
		CO ₂ e (6)	528
MSS	MSS Activities	CH ₄ (5)	0.20
		CO ₂ e	5

- (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 (11/2014):
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.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: November 6, 2015