

# Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX148

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)
RGPBOILER1 RGPBOILER2	RGP Boiler 1 RGP Boiler 2	CO <sub>2</sub> (5)	63,523
		CH <sub>4</sub> (5)	3
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	63,796
POLP2FL/PO002FL	Low-Pressure Flares	CO <sub>2</sub> (5)	4,520
		CH <sub>4</sub> (5)	1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	4,536
PO001FL	High-Pressure Polyolefin Flare	CO <sub>2</sub> (5)	10,800
		CH <sub>4</sub> (5)	<1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	10,840
PP2001FE	Line 2 Process Fugitives (6)	CH <sub>4</sub> (5)	1
		CO <sub>2</sub> e	23
PP3001FE	Line 3 Process Fugitives (6)	CH <sub>4</sub> (5)	1
		CO <sub>2</sub> e	33
PP4001FE	Line 4 Process Fugitives (6)	CH <sub>4</sub> (5)	1
		CO <sub>2</sub> e	21
LOADFUG	Transfer Operations Emissions	CO <sub>2</sub> (5)	<1
		CH <sub>4</sub> (5)	<1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	<1

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EY001CT	RGP Cooling Tower	CH <sub>4</sub> (5)	<1
		CO <sub>2</sub> e	<1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	<1
EYPRCSFL	Air Assist Flare	CO <sub>2</sub> (5)	40,070
		CH <sub>4</sub> (5)	<1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	4,085
EY901FE	Fract Area Fugitives (6)	CO <sub>2</sub> (5)	<1
		CH <sub>4</sub> (5)	<1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	<1
UP011FE	Flare Area Fugitives (6)	CO <sub>2</sub> (5)	<1
		CH <sub>4</sub> (5)	<1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	<1
UTILFE	Utility Area Fugitives (6)	CO <sub>2</sub> (5)	<1
		CH <sub>4</sub> (5)	<1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	<1
PPRTO	Regenerative Thermal Oxidizer	CO <sub>2</sub> (5)	2,201,257
		CH <sub>4</sub> (5)	112
		N <sub>2</sub> O (5)	22
		CO <sub>2</sub> e	2,210,726
BOILERST3	Second 300 psi Boiler	CO <sub>2</sub> (5)	22,731
		CH <sub>4</sub> (5)	1
		N <sub>2</sub> O (5)	<1

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EYPRCSFL	MSSWEST Depressure Vessels to Flare	CO <sub>2</sub> e	22,829
		CO <sub>2</sub> (5)	209
		CH <sub>4</sub> (5)	1
		N <sub>2</sub> O (5)	<1
		CO <sub>2</sub> e	210

- (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  
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) Fugitive emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: November 22, 2016