Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX100

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for sources of GHG air contaminants on the applicant's property authorized by this permit. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
FLRL	LNG Storage LP Flare	CO_2 (5)	16,520
		CH_4 (5)	54
		N_2O (5)	0.1
		CO_{2e}	17,861
WDFLR	Wet and Dry Gas Ground Flare	CO_2 (5)	33,381
		CH_4 (5)	119
		N_2O (5)	0.1
		CO_{2e}	36,370
WDFLRMSS	Wet and Dry Gas Ground Flare MSS	CO_2 (5)	45,826
		CH_4 (5)	146
		N_2O (5)	0.1
		CO_{2e}	49,483
AXBL	Auxiliary Boiler	CO_2 (5)	20,348
		CH_4 (5)	0.4
		N_2O (5)	0.1
		CO_{2e}	20,369
GT-HRSG-1	MR Compressor Gas Turbine Driver 1/HRSG	CO_2 (5)	610,037
		CH_4 (5)	36
		N_2O (5)	12.1
		CO_{2e}	614,533
GT-HRSG-2	MR Compressor Gas Turbine Driver 2/HRSG	CO_2 (5)	610,037
		CH_4 (5)	36
		N_2O (5)	12.1
		CO_{2e}	614,533

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GT-HRSG-3	MR Compressor Gas Turbine Driver 3/HRSG	CO_2 (5)	610,037
		CH_4 (5)	36
		N_2O (5)	12.1
		CO_{2e}	614,533
GT-HRSG-4	Propane Compressor Gas Turbine Driver 1/HRSG	CO_2 (5)	610,037
		CH_4 (5)	36
		N_2O (5)	12.1
		CO_{2e}	614,533
GT-HRSG-5	Propane Compressor Gas Turbine Driver 2/HRSG	CO_2 (5)	610,037
		CH_4 (5)	36
		N_2O (5)	12.1
		CO_{2e}	614,533
GT-HRSG-6	Propane Compressor Gas Turbine Driver 3/HRSG	CO_2 (5)	610,037
		CH_4 (5)	36
		N_2O (5)	12.1
		CO_{2e}	614,533
TO1	Thermal Oxidizer 1	CO_2 (5)	373,892
		CH_4 (5)	9
		N_2O (5)	0.1
		CO_{2e}	374,114
TO2	Thermal Oxidizer 2	CO_2 (5)	373,892
		CH_4 (5)	9
		N_2O (5)	0.1
		CO_{2e}	374,114
TO3	Thermal Oxidizer 3	CO_2 (5)	373,892
		CH_4 (5)	9
		N_2O (5)	0.1
		CO_{2e}	374,114
TO4	Thermal Oxidizer 4	CO_2 (5)	2,560

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		CH_4 (5)	0.1
		N_2O (5)	0.1
		CO_{2e}	2,563
GEN1	Essential Diesel Generator 1	CO_2 (5)	123
		CH_4 (5)	0.1
		N_2O (5)	0.1
		CO_{2e}	123
GEN2	Essential Diesel Generator 2	CO_2 (5)	123
		CH_4 (5)	0.1
		N_2O (5)	0.1
		CO_{2e}	123
GEN3	Essential Diesel Generator 3	CO_2 (5)	123
		CH_4 (5)	0.1
		N_2O (5)	0.1
		CO_{2e}	123
GEN4	Essential Diesel Generator 4	CO_2 (5)	123
		CH_4 (5)	0.1
		N_2O (5)	0.1
		CO_{2e}	123
GEN5	Essential Diesel Generator 5	CO_2 (5)	123
		CH_4 (5)	0.1
		N_2O (5)	0.1
		CO_{2e}	123
GEN6	Essential Diesel Generator 6	CO_2 (5)	123
		CH_4 (5)	0.1
		N_2O (5)	0.1
		CO_{2e}	123
GEN7	Essential Diesel Generator 7	CO_2 (5)	92
		CH_4 (5)	0.1

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		N_2O (5)	0.1
		CO_{2e}	93
MP1GEN	MP1 Essential Generator	CO_2 (5)	10
		CH_4 (5)	0.1
		N_2O (5)	0.1
		CO_{2e}	10
BLWDWN	MP1 Blowdown Vent	CO_2 (5)	1
		CH_4 (5)	9
		CO_{2e} (6)	219
FUG	Fugitive Emissions	CO_2 (5)	3
		CH_4 (5)	103
		CO_{2e} (6)	2,569
FUG-SF6	Circuit Breaker Emissions	SF_6 (5)	0.01
		CO_{2e} (6)	220.1
MP1FUG	MP1 Fugitive Emissions	CO_2 (5)	0.1
		CH_4 (5)	2
		CO_{2e} (6)	37

(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_2 - carbon dioxide
N_2O - nitrous oxide
CH_4 - methane
SF_6 - sulfur hexafluoride
CO_2e - carbon dioxide equivalents based on the following Global Warming Potentials (11/2014): CO2 (1), N_2O (298), CH_4(25), SF_6 (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 unless otherwise noted.
(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: September 11, 2015