Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX126

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 air contaminants on the applicant's property 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)
Combustion Gas Turbines: Option 1			
1	Siemens SGT6-5000F	N_2O (5)	1
		CH_4 (5)	94
		CO_2 (5)	491,358
		CO_2e	494,006
2	Siemens SGT6-5000F	N_2O (5)	1
		CH_4 (5)	94
		CO_2 (5)	491,358
		CO_2e	494,006
3	Siemens SGT6-5000F	N_2O (5)	1
		CH_4 (5)	94
		CO_2 (5)	491,358
		CO_2e	494,006
4	Siemens SGT6-5000F	N_2O (5)	1
		CH_4 (5)	94
		CO_2 (5)	491,358
		CO_2e	494,006

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
Combustion Gas Turbines: Option 2			
1	General Electric GE7FA.05TP	N_2O (5)	1
		CH_4 (5)	134
		CO_2 (5)	428,697
		CO_2e	432,345
2	General Electric GE7FA.05TP	N_2O (5)	1
		CH_4 (5)	134
		CO_2 (5)	428,697
		CO_2e	432, 345
3	General Electric GE7FA.05TP	N_2O (5)	1
		CH_4 (5)	134
		CO_2 (5)	428,697
		CO_2e	432, 345
4	General Electric GE7FA.05TP	N_2O (5)	1
		CH_4 (5)	134
		CO_2 (5)	428,697
		CO_2e	432, 345
Ancillary Emissions			
5	Dew Point Heater 1	N_2O (5)	1
		CH_4 (5)	1
		CO_2 (5)	1030
		CO_2e	1353
6	Dew Point Heater 2	N_2O (5)	1

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		CH_4 (5)	1
		CO_2 (5)	1030
		CO_2e	1353
7	Dew Point Heater 3	N_2O (5)	1
		CH_4 (5)	1
		CO_2 (5)	1030
		CO_2e	1353
8	Dew Point Heater 4	N_2O (5)	1
		CH_4 (5)	1
		CO_2 (5)	1030
		CO_2e	1353
9	Emergency Generator	N_2O (5)	1
		CH_4 (5)	1
		CO_2 (5)	229
		CO_2e	552
10	Fire Pump Engine	N_2O (5)	1
		CH_4 (5)	1
		CO_2 (5)	43
		CO_2e	366
13	Fugitive Emissions – Natural Gas	CH_4 (5)	1
		CO_2e	25
14	Fugitive Emissions - SF_6	SF_6 (5)	1
		CO_2e	22,800

(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) CH_4 - methane

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CO_2 - carbon dioxide
N_2O - nitrous oxide
SF_6 - sulfur hexafluoride
CO_2e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015): CO_2 (1), N_2O (298), CH_4 (25), and SF_6 (22,800).

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. These emission rates include maintenance, startup, and shutdown.
(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date: November 10, 2015