

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX115

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)
Option 1			
EM-CT1S	Unit 1 Siemens SGT6-5000 F(5)ee	CO ₂ (5)	1,498,890
		CH ₄ (5)	28
		N ₂ O (5)	3
		CO ₂ e	1,500,414
EM-CT2S	Unit 2 Siemens SGT6-5000 F(5)ee	CO ₂ (5)	1,498,890
		CH ₄ (5)	28
		N ₂ O (5)	3
		CO ₂ e	1,500,414
Option 2			
EM-CT1S	Unit 1 GE 7FA.05	CO ₂ (5)	1,283,747
		CH ₄ (5)	24
		N ₂ O (5)	2
		CO ₂ e	1,285,052
EM-CT2S	Unit 2 GE 7FA.05	CO ₂ (5)	1,283,747
		CH ₄ (5)	24
		N ₂ O (5)	2
		CO ₂ e	1,285,052
Ancillary Emissions			
EM-ABS	Auxiliary Boiler	CO ₂ (5)	37,527

Emission Sources - Maximum Allowable Emission Rates

		CH ₄ (5)	1
		N ₂ O (5)	<1
		CO ₂ e	37,566
EM-EDGV	Emergency Diesel Generator	CO ₂ (5)	77
		CH ₄ (5)	<1
		N ₂ O (5)	<1
		CO ₂ e	77
EM-DFPV	Diesel Firewater Pump	CO ₂ (5)	16
		CH ₄ (5)	<1
		N ₂ O (5)	<1
		CO ₂ e	16
EM-1&2NGF	Natural Gas Component Fugitives	CO ₂ (5)	<1
		CH ₄ (5)	1
		CO ₂ e	33
EM-SF6FUG	Circuit Breaker Insulation Fugitives	SF ₆ (5)	<1
		CO ₂ e	23
EM-MSSFUG	Planned Maintenance Activities Fugitives	CO ₂ (5)	<1
		CH ₄ (5)	6
		CO ₂ e	143

(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

SF₆ - sulfur hexafluoride

CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (01/2015):
CO₂ (1), N₂O (298), CH₄(25), SF₆ (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.

(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Permit Number GHGPSDTX115

Page

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