Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX196M1

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered 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 covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
40-36-1013	Unit 40 Catalyst Activator Heater	N_2O (5)	—	0.01
		CH_4 (5)	—	0.06
		CO_2 (5)	—	3061.02
		CO_{2e}	—	3064.19
41-36-1113	Unit 41 Catalyst Activator Heater	N_2O (5)	—	0.01
		CH_4 (5)	—	0.06
		CO_2 (5)	—	3061.02
		CO_{2e}	—	3064.19
42-97-9610	Flare	N_2O (5)	—	1.18
		CH_4 (5)	—	355.63
		CO_2 (5)	—	124768.91
		CO_{2e}	—	134011.79
VDU	Vapor Destruction Unit	N_2O (5)	—	0.02
		CH_4 (5)	—	0.53
		CO_2 (5)	—	31,539.58
		CO_{2e}	—	31,558.19
TOX	Thermal Oxidizer	N_2O (5)	—	0.01
		CH_4 (5)	—	0.12
		CO_2 (5)	—	5271.27
		CO_{2e}	—	5278.42

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MSS-TKCONT	Temporary Control for Tank Roof Landing	N_2O (5)	—	<0.01
		CH_4 (5)	—	0.03
		CO_2 (5)	—	1,509.16
		CO_{2e}	—	1,510.73
FUG-01	Fugitives	CH_4 (5)	—	309.36
		CO_{2e}	—	7734.05
PVOC-CAP	Pellet VOC - Cap	CH_4 (5)	—	2.76
		CO_{2e}	—	68.94
EMG-ENG 1, 2, 3	Emergency Generator Engines 1, 2, 3	N_2O (5)	—	<0.01
		CH_4 (5)	—	<0.01
		CO_2 (5)	—	38.68
		CO_{2e}	—	38.82
87-97-1510	Fire Water Pump Engine	N_2O (5)	—	<0.01
		CH_4 (5)	—	<0.01
		CO_2 (5)	—	12.33
		CO_{2e}	—	12.37
42-05-9201	Cooling Tower	CH_4 (5)	—	0.05
		CO_{2e}	—	1.30
47-97-9820	Wastewater	CH_4(5)	—	<0.01
		CO_{2e}	—	0.02
MSS-EQUIP	Equipment Opening MSS	CH_4 (5)	—	0.03
		CO_{2e}	—	0.65
MSS-MISC	Miscellaneous MSS	CH_4 (5)	—	0.02
		CO_{2e}	—	0.55
MSS-LOAD	Waste Loading to Trucks	CH_4(5)	—	<0.01
		CO_{2e}	—	0.01
MSS-FRAC CC	Frac Tanks Carbon Control	CH_4 (5)	—	<0.01
		CO_{2e}	—	<0.01

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

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(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) N_2O- nitrous oxide.
CH_4- methane.
CO_2 - carbon dioxide.
CO_{2e} - carbon dioxide equivalents based on the following Global Warming Potentials (Effective January 1, 2015): CO_2 (1), N_2O (298), CH_4 (25).
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Emissions updated to be consistent with the records required by 30 TAC §116.164(b).

Date: October 15, 2021