Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 165103 and PSDTX1596

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)
TO_PROCESS	Process Thermal Oxidizer	VOC	9.55	41.66
		NO_X	16.51	72.28
		CO	20.63	22.89
		PM	2.50	10.91
		PM_{10}	2.50	10.91
		$PM_{2.5}$	2.50	10.91
		SO_2	1.80	7.87
		NH_3	2.51	5.55
FLR	Plant Flare System	VOC	44.51	55.63
		NO_X	33.64	42.05
		CO	173.26	216.58
		SO_2	6.62	8.28
TK_LOAD1	Truck Loading Rack 1 (loading fugitives)	VOC	0.43	0.10
RL_LOAD1	Rail Loading Rack (loading fugitives)	VOC	0.01	0.01
TK_VCU	Tank Farm and Loading Flare	VOC	15.54	0.64
		NO_X	5.20	0.89
		CO	6.50	1.11
		SO_2	0.37	0.19
		PM	0.65	0.12
		PM_{10}	0.65	0.12
		$PM_{2.5}$	0.65	0.12
S-0120	Tank S-0120	VOC	15.57	0.09
S-0150	Tank S-0150	IOC-U	0.01	0.01
S-0160	Tank S-0160	H_2SO_4	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

CTW	Cooling Tower	VOC	50.41	22.08
		PM	3.01	13.16
		PM_{10}	0.47	2.02
		$PM_{2.5}$	0.01	0.02
EGEN1	Emergency Generator 1	VOC	35.28	1.77
		NO_X	35.28	1.77
		CO	19.30	0.97
		SO_2	0.04	0.01
		PM	1.11	0.06
		PM_{10}	1.11	0.06
		$PM_{2.5}$	1.11	0.06
FUG	Equipment Leak Fugitives	VOC	1.55	6.76
		NH_3	0.05	0.19
MSS1	Maintenance, Startup, Shutdown Activities	VOC	4.02	0.08
		H_2SO_4	0.02	0.01
		PM	0.37	0.01
		PM_{10}	0.18	0.01
		$PM_{2.5}$	0.03	0.01

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
IOC-U - inorganic compounds (unspeciated)
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2SO_4 - sulfuric acid
NH_3 - ammonia
(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.

Date: TBD

Emission Sources - Maximum Allowable Emission Rates

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX208

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)
TO_PROCESS	Process Thermal Oxidizer	CO_2e	189,265.07
FLR	Plant Flare System	CO_2e	92,031.98

(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_2e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015): CO_2 (1), N_2O (298), CH_4(25), SF_6 (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.

Date: TBD