Emission Sources - Maximum Allowable Emission Rates

Permit Number 80833

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)
02CRUDEFLR	Crude Flare	VOC	845.67	3.88
		NO_X	55.32	0.24
		CO	284.26	1.30
		SO_2	2766.16	27.23
		H_2S	30.07	0.29
		NH_3	0.30	0.19
05REFMRFLR	Reformer Flare	VOC	333.93	3.19
		NO_X	28.95	0.29
		CO	267.67	1.76
		SO_2	1237.68	7.49
		H_2S	13.46	0.08
		NH_3	0.60	0.06
14NEASTFLR	North East Flare	VOC	746.96	6.85
		NO_X	65.62	0.70
		CO	377.53	4.56
		SO_2	3899.82	33.86
		H_2S	42.35	0.37
		NH_3	1.40	0.20
16SOUTHFLR	South Flare	VOC	3062.37	18.05
		NO_X	211.29	1.45
		CO	1121.05	48.17
		SO_2	1695.52	14.22
		H_2S	18.42	0.16
		NH_3	0.30	0.38

Emission Sources - Maximum Allowable Emission Rates

MSSFUG01	Process Equipment Uncontrolled MSS Activities	VOC	24.74	1.11
		H_2S	0.09	0.01
		Amine	2.67	0.02
	Floating Roof Tank MSS, Uncontrolled	VOC	141.29	12.24
	Fixed Roof Tank MSS, Uncontrolled	VOC	2.87	0.16
	Other Routine Uncontrolled MSS Activities	VOC	4.36	1.12
		PM	0.21	0.04
		PM_{10}	0.10	0.02
		$PM_{2.5}$	0.02	<0.01
69TGINC	No. 1 SRU Incinerator Vent	SO_2	340.31	5.30
		H_2S	0.32	0.01
71TGINC	No. 2 SRU Incinerator Vent	SO_2	244.73	27.21
		H_2S	0.18	0.02
TANKMSSTO	Floating Roof Tank MSS, Controlled	VOC	79.90	0.07
		NO_X	2.00	0.50
		CO	2.48	0.41
		SO_2	8.18	0.81
		PM	0.19	0.05
		PM_{10}	0.19	0.05
		$PM_{2.5}$	0.19	0.05
		H_2S	0.09	0.01
VACTRKS	Vacuum Trucks	VOC	6.06	1.74
		NO_X	0.45	0.04
		CO	0.37	0.03
		SO_2	0.06	0.01
		PM	0.03	<0.01
		PM_{10}	0.03	<0.01
		$PM_{2.5}$	0.03	<0.01
FRACTNKS	Frac Tanks	VOC	0.84	0.81

Emission Sources - Maximum Allowable Emission Rates

(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
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
NH_3 - ammonia
H_2S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: October 28, 2020