Emission Sources - Maximum Allowable Emission Rates

Permit Number 81194

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)
SRH	Stabilizer Reboiler Heater	NO_x	0.71	3.11
		CO	0.39	1.73
		VOC	0.04	0.16
		PM	0.05	0.22
		PM_{10}	0.05	0.22
		$PM_{2.5}$	0.05	0.22
		SO_2	0.18	0.77
		H_2S	<0.01	0.04
FL1	Main Emergency Flare Pilot	NO_x	<0.01	0.04
		CO	0.02	0.09
		VOC	0.03	0.13
		SO_2	<0.01	<0.01
LRF	Loading Rack Flare	NO_x	0.25	0.33
		CO	1.26	1.67
		VOC	3.11	4.07
		SO_2	0.09	0.12
GRLL	AGO/Resid Liquid Loading	VOC	0.03	0.03
LOAD-FUG	Tank Truck Loading Fugitives	VOC	3.37	3.76
FE	Fugitive Emissions (5)	VOC	8.91	39.01
		H_2S	<0.01	0.01
TK44	Gas Oil/Residual Oil Tank	VOC	<0.01	0.04
TK45	Gas Oil/Residual Oil Tank	VOC	<0.01	<0.01
TK46	Gas Oil/Residual Oil Tank	VOC	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
TK50	Crude Oil Tank	VOC	0.68	2.89
		H_2S	<0.01	<0.01
TK51	Oil Water Tank	VOC	0.69	2.99
		H_2S	<0.01	<0.01
TK53	Crude Oil Tank	VOC	0.74	2.67
		H_2S	<0.01	<0.01
TK54	Crude Oil Tank	VOC	0.72	2.74
		H_2S	<0.01	<0.01
TK61	Naphtha Tank	VOC	0.24	0.40
TK62	Gasoline Tank	VOC	0.23	1.67
TK63	Gasoline Tank	VOC	0.23	1.67
TK64	Diesel Tank	VOC	0.15	0.85
TK71	Kero/Jet Fuel/Diesel Tank	VOC	0.09	0.43
TK72	Kero/Jet Fuel/Diesel Tank	VOC	0.09	0.43
TK73	Kero/Jet Fuel/Diesel Tank	VOC	0.05	0.21
TK74	Kero/Jet Fuel/Diesel Tank	VOC	0.07	0.21
TK75	Kero/Jet Fuel/Diesel Tank	VOC	0.07	0.21
TK76	Kero/Jet Fuel/Diesel/Naphtha Tank	VOC	1.07	3.91
TK77	Kero/Jet Fuel/Diesel Tank	VOC	0.14	0.05
TK78	Kero/Jet Fuel/Diesel Tank	VOC	0.14	0.05
TK79	Kero/Jet Fuel/Diesel/Naphtha Tank	VOC	0.96	3.82

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(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
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_2S - hydrogen sulfide
(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: March 13, 2020