Emission Sources - Maximum Allowable Emission Rates

Permit Number 124341

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) (6)	Emission Rates	
			lbs/hour	TPY (4)
12-FL	Flare	SO_2	0.11	0.13
		NO_X	2.27	2.74
		CO	4.55	5.57
		VOC	19.95	23.96
		H_2S	<0.01	<0.01
		Benzene	0.04	0.04
12-OST-1	Oil Storage Tank (100,000 bbl)	VOC	1.15	4.57
		H_2S	<0.01	<0.01
		Benzene	<0.01	0.01
13-OST-2	Oil Storage Tank (100,000 bbl)	VOC	1.15	4.57
		H_2S	<0.01	<0.01
		Benzene	<0.01	0.01
13-OST-3	Oil Storage Tank (50,000 bbl)	VOC	0.85	3.26
		H_2S	<0.01	<0.01
		Benzene	<0.01	0.01
13-OST-4	Oil Storage Tank (2,000 bbl)	VOC	0.25	1.04
		H_2S	<0.01	<0.01
		Benzene	<0.01	<0.01

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13-OST-5	Oil Storage Tank (2,000 bbl)	VOC	0.25	1.04
		H_2S	<0.01	<0.01
		Benzene	<0.01	<0.01
13-OST-6	Oil Storage Tank (2,000 bbl)	VOC	0.25	1.04
		H_2S	<0.01	<0.01
		Benzene	<0.01	<0.01
13-OST-7	Oil Storage Tank (2,000 bbl)	VOC	0.25	1.04
		H_2S	<0.01	<0.01
		Benzene	<0.01	<0.01
FF-1	Facility Fugitives (5)	VOC	1.55	6.77
		H_2S	<0.01	0.01
		Benzene	<0.01	<0.01
TLO-1	Uncontrolled Tank Landing	VOC	475.04	2.01
		H_2S	15.92	<0.01
		Benzene	0.85	<0.01
TCO-1	Uncontrolled Tank MSS	VOC	6.41	0.68
		H_2S	0.22	0.02
		Benzene	0.02	<0.01
TC-DC-MSS	Controlled Tank MSS (7)	PM	0.11	0.01
		PM_{10}	0.11	0.01
		$PM_{2.5}$	0.11	0.01
		SO_2	0.71	0.04
		NO_X	0.98	0.08

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		CO	5.35	0.45
		VOC	0.22	0.01
		H_2S	<0.01	<0.01
		Benzene	<0.01	<0.01
Other MSS	Pump, line, valve and vessel repair and maintenance, shop work sampling procedures, tank gauging	VOC	12.67	1.14
		H_2S	0.43	0.04
		Benzene	0.02	<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
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.
(6) VOC emissions include Hazardous Air Pollutants (HAPs).
(7) MSS Tank degassing emissions are either routed to plant flare at the site or to a temporary third party control device such as a thermal oxidizer, vapor combustor, or portable flare. The plant flare and the third party control device will not simultaneously handle MSS emissions.

Date: August 31, 2018