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)
TK-0220	Oil Storage Tank (100,000 bbl)	VOC	2.89	6.90
		H_2S	0.06	0.14
TK-0200	Oil Storage Tank (100,000 bbl)	VOC	2.89	6.90
		H_2S	0.06	0.14
TK-0210	Oil Storage Tank (50,000 bbl)	VOC	3.06	4.96
		H_2S	0.06	0.10
TK-0230	Oil Storage Tank (2,000 bbl)	VOC	0.88	1.47
		H_2S	0.02	0.03
TK-0240	Oil Storage Tank (2,000 bbl)	VOC	0.88	1.47
		H_2S	0.02	0.03
TK-0250	Oil Storage Tank (2,000 bbl)	VOC	0.88	1.47
		H_2S	0.02	0.03
TK-0260	Oil Storage Tank (2,000 bbl)	VOC	0.88	1.47
		H_2S	0.02	0.03
T-101B	Oil Storage Tank (250,000 bbl)	VOC	6.29	--
		H_2S	0.13	--
T-101A	Oil Storage Tank (250,000 bbl)	VOC	6.29	--
		H_2S	0.13	--
T-101C	Oil Storage Tank (250,000 bbl)	VOC	15.10	--
		H_2S	0.32	--
T-101D	Oil Storage Tank (250,000 bbl)	VOC	15.10	--
		H_2S	0.32	--

Emission Sources - Maximum Allowable Emission Rate

T-101A, T-101B, T-101C, T-101D Tank Cap	Annual Cap for Oil Storage Tanks (250,000 bbl)	VOC	--	46.04
		H_2S	--	0.97
T-501	Oil Storage Tank (500,000 bbl)	VOC	12.79	--
		H_2S	0.27	--
T-502	Oil Storage Tank (500,000 bbl)	VOC	12.79	--
		H_2S	0.27	--
T-503	Oil Storage Tank (500,000 bbl)	VOC	12.79	--
		H_2S	0.27	--
T-504	Oil Storage Tank (500,000 bbl)	VOC	12.79	--
		H_2S	0.27	--
T-501, T-502, T-503, T-504 Tank Cap	Annual Cap for Oil Storage Tanks (500,000 bbl)	VOC	--	55.76
		H_2S	--	1.17
T-201	Delaware Connector Sump Tank	VOC	0.62	0.02
		H_2S	0.01	<0.01
TK-2900	XTO/Patriot Sump Tank	VOC	17.91	0.01
		H_2S	0.38	<0.01
TK-2000	Enterprise Sump Tank	VOC	17.91	0.01
		H_2S	0.38	<0.01
T-0500	Original Sump Tank	VOC	1.07	0.54
		H_2S	0.02	0.01
S-400	Meter Skid Sump Tank	VOC	21.00	0.04
		H_2S	0.44	<0.01
T-505	Booster Pump Sump Tank	VOC	9.88	0.09
		H_2S	0.21	<0.01
FF-1	Facility Fugitives (5)	VOC	0.75	3.22
		H_2S	0.02	0.07
TC-DC-MSS	Controlled Tank MSS (7)	VOC	13.38	1.34
		NO_X	3.43	0.36

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		CO	6.84	0.72
		SO_2	13.08	1.31
		PM	0.44	0.04
		PM_{10}	0.44	0.04
		$PM_{2.5}$	0.44	0.04
		H_2S	0.07	<0.01
Other MSS	MSS	VOC	20.62	0.27
		H_2S	0.43	0.01
FENG-1	Fire Engine	VOC	0.10	<0.01
		NO_X	0.21	0.01
		CO	1.84	0.09
		SO_2	<0.01	<0.01
		PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
FENG-2	Fire Engine	VOC	0.10	<0.01
		NO_X	0.21	0.01
		CO	1.84	0.09
		SO_2	<0.01	<0.01
		PM	0.01	<0.01
		PM_{10}	0.01	<0.01
		$PM_{2.5}$	0.01	<0.01
EENG-1	Emergency Engine	VOC	2.03	0.10
		NO_X	2.03	0.10
		CO	1.77	0.09
		SO_2	<0.01	<0.01

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		PM	0.10	<0.01
		PM_{10}	0.10	<0.01
		$PM_{2.5}$	0.10	<0.01
SUMP-6	Sump Tank	VOC	24.68	0.23
		H2S	0.52	<0.01
	Site-Wide	HAPs	--	3.17

(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
HAPs - hazardous air pollutants
(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 routed to a temporary third-party control device such as a thermal oxidizer, vapor combustor, or portable flare.

Date: April 7, 2020