Emission Sources - Maximum Allowable Emission Rates

Permit Number 6474

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)
T-301	Tank 301	VOC	4.78	--
		H_2S	0.03	--
T-401	Tank 401	VOC	4.78	--
		H_2S	0.03	--
T-301 and T-401 Annual Emission Cap		VOC	--	8.87
		H_2S	--	0.05
TK.1995	Tank 1995	VOC	5.32	--
		H_2S	0.03	--
TK.1996	Tank 1996	VOC	5.32	--
		H_2S	0.03	--
TK.1997	Tank 1997	VOC	5.32	--
		H_2S	0.03	--
TK.1995, TK.1996, and TK.1997 Annual Emission Cap		VOC	--	11.66
		H_2S	--	0.06
T-118	500,000 bbl Domed External Floating Roof Tank	VOC	10.55	--
		H_2S	0.06	--
T-119	500,000 bbl Domed External Floating Roof Tank	VOC	10.55	--
		H_2S	0.06	--
T-120	500,000 bbl Domed External Floating Roof Tank	VOC	10.55	--
		H_2S	0.06	--
T-121	500,000 bbl Domed External Floating Roof Tank	VOC	10.55	--

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		H_2S	0.06	--
T-118, T-119, T-120, and T-121 Annual Emission Cap (7)		VOC	--	32.38
		H_2S	--	0.17
T-114	250,000 bbl Domed External Floating Roof Tank	VOC	14.34	--
		H_2S	0.08	--
T-115	250,000 bbl Domed External Floating Roof Tank	VOC	14.34	--
		H_2S	0.08	--
T-116	250,000 bbl Domed External Floating Roof Tank	VOC	14.34	--
		H_2S	0.08	--
T-117	250,000 bbl Domed External Floating Roof Tank	VOC	14.34	--
		H_2S	0.08	--
T-114, T-115, T-116, and T-117 Annual Emission Cap (7)		VOC	--	15.82
		H_2S	--	0.08
T-114, T-115, T-116, T-117, T-118, T-119, T-120, and T-121 Total Annual Emissions Cap (7)		VOC	--	38.62
		H_2S	---	0.20
FUGITIVES	Project Fugitives (5)	VOC	0.34	1.46
		H_2S	<0.01	0.01
SOL-TK	Solvent Tank	VOC	2.98	<0.01
SUMP-1	Sump Storage Tank	VOC	0.01	0.05
		H_2S	<0.01	<0.01
C1400	Corrosion Inhibitor Tank	VOC	7.23	0.15
C1750	Drag Reducer Storage Tank	VOC	<0.01	<0.01
SUMP-2	Sump-2	VOC	17.01	0.03
		H_2S	0.09	<0.01
SUMP-3	Sump-3	VOC	17.01	0.03
		H_2S	0.09	<0.01

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MSS-CTRL	Controlled Tank MSS	VOC	8.75	0.97
		NO_X	2.24	0.27
		CO	4.48	0.53
		SO_2	8.66	0.95
		PM	0.29	0.03
		PM_{10}	0.29	0.03
		$PM_{2.5}$	0.29	0.03
		H_2S	0.05	0.01
		HAPs	0.22	0.02
MSS-SR	MSS-FT/Sludge Removal Frac Tank	VOC	0.16	0.01
		H_2S	<0.01	<0.01
	MSS-VT/Sludge Removal Vacuum Truck	VOC	0.14	0.02
		H_2S	<0.01	<0.01
MSS-DRN	Equipment Draining	VOC	6.53	0.01
		H_2S	0.03	<0.01
MSS-LB	Line Breaks	VOC	14.43	0.05
		H_2S	0.08	<0.01
	Site Wide (7)	Total HAP	--	1.52

(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
(5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

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(7) The combined annual emissions from the proposed new 250K and 500K bbl tanks will not exceed the annual cap of 38.62 tpy and 0.2 tpy of VOC and H_2S, respectively.
Emission sources that were not constructed shall be removed via an Alteration or Amendment no later than 30 days after construction has been completed or no later than 15 days after 18 months of discontinued construction whichever occurs later.

Date: October 11, 2019