Emission Sources - Maximum Allowable Emission Rates

Permit Number 28315

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)
TR-03	Filter Pre-Coat Tank	VOC	<0.01	<0.01
TR-04	Filter Feed Tank	VOC	<0.01	<0.01
TR-05	Catalyst Removal Maintenance Drain Tank	VOC	<0.01	<0.01
TR-06	Hot Oil Storage Tank	VOC	<0.01	<0.01
TR-07	T-250 Storage Tank	VOC	0.05	<0.01
TR-08	Blend Tank 1	VOC	<0.01	--
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TR-09	Blend Tank 2	VOC	<0.01	--
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TR-10	Blend Tank 3	VOC	<0.01	--
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TR-08 thru TR-10 Annual Cap	Blend Tank 1, 2, and 3	VOC	--	<0.01
TR-11	Product Storage Tank 1	VOC	<0.01	--
TR-12	Product Storage Tank 2	VOC	<0.01	--
TR-13	Product Storage Tank 3	VOC	<0.01	--
TR-14	Product Storage Tank 4	VOC	<0.01	--
TR-15	Product Storage Tank 5	VOC	<0.01	--
TR-11 thru TR-15 Annual Cap	Product Storage Tanks 1, 2, 3, 4, and 5	VOC	--	<0.01

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TR-16	Truck Loading	VOC	0.52	0.35
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TR-16T	Brine De-inventory Tank	VOC	4.15	0.06
TR-18	Railcar Loading	VOC	0.52	0.35
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TR-30	Filter Aid Addition	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TR-33	North Cooling Tower	VOC	0.40	1.77
		PM	0.73	3.21
		PM_{10}	0.65	2.88
		$PM_{2.5}$	<0.01	0.01
TR-34	Flare Normal Operations	VOC	7.43	10.75
		NO_x	2.05	4.90
		CO	17.55	41.97
		SO_2	0.18	0.77
TR-34 MSS	Flare Maintenance, Startup, and Shutdown (MSS) Activities (6)	VOC	20.54	0.46
		NO_x	1.66	0.04
		CO	14.17	0.29
		SO_2	0.13	<0.01
TR-35	Fugitives (5)	VOC	1.35	5.91
		Methyl Acetate	0.04	0.17
		CO	<0.01	<0.01
TR-36	Degas Vacuum System	VOC	0.01	0.01
TR-37	Evaporator Vacuum System	VOC	0.01	0.01
TR-38	Degasser Ring Pump Water Purge Tank	VOC	<0.01	<0.01
TR-39	BHT Feed Tank	VOC	<0.01	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01

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		$PM_{2.5}$	<0.01	<0.01
TR-40	Hot Oil Expansion Tank	VOC	0.01	<0.01
TR-41	SPD Feed Tank	VOC	0.07	0.03
TR-42	Evaporator Ring Pump Water Purge Tank	VOC	<0.01	<0.01
TR-43	Purge Receiver	VOC	<0.01	<0.01
PTMEG-MSS	PTMEG MSS Emissions (6)	VOC	12.83	0.20
		NO_x	1.49	0.05
		CO	1.09	0.04
		SO_2	0.25	0.01
		PM	1.54	0.02
		PM_{10}	0.84	0.01
		$PM_{2.5}$	0.32	0.01
TR-NAFCAT	Catalyst Addition Tank	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<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
CO - carbon monoxide
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
(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) Includes startup and shutdown emissions from the Terathane II Polymer Unit.

Date: February 27, 2019