Emission Sources - Maximum Allowable Emission Rates

Permit Number 56304

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)
LR1	Main Tank Farm Railcar Loading	VOC	0.53	0.15
LR2	Main Tank Farm Truck Loading	VOC	0.53	0.03
F1	Talc Silo	PM	0.50	0.13
		PM_{10}	0.33	0.08
		$PM_{2.5}$	0.17	0.04
F2	Talc Conveyors	PM	0.06	0.08
		PM_{10}	0.04	0.05
		$PM_{2.5}$	0.02	0.03
T001	Storage Tank 1	VOC	1.34	3.18
T002	Storage Tank 2	VOC	1.32	1.77
T003	Storage Tank 3	VOC	1.32	1.77
T004	Storage Tank 4	VOC	1.34	3.18
T005	Storage Tank 5	VOC	1.34	3.18
T006	Storage Tank 6	VOC	1.34	3.18
T010	Storage Tank 10	VOC	0.51	3.18
T011	Storage Tank 11	VOC	0.51	3.18
T012	Storage Tank 12	VOC	0.51	3.18
T013	Storage Tank 13	VOC	0.51	3.18
T014	Storage Tank 14	VOC	0.51	3.18
T015	Storage Tank 15	VOC	0.51	3.18
T016	Storage Tank 16	VOC	0.51	3.18
T017	Storage Tank 17	VOC	0.51	3.18

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T018	Storage Tank 18	VOC	0.51	3.18
T019	Storage Tank 19	VOC	0.51	3.18
T020	Storage Tank 20	VOC	0.51	3.18
T021	Storage Tank 21	VOC	0.83	3.18
T045	Storage Tank 45	VOC	0.29	3.18
T060	Storage Tank 60	VOC	1.10	3.18
T070	Storage Tank 70	VOC	1.34	3.18
T071	Storage Tank 71	VOC	1.34	3.18
T072	Storage Tank 72	VOC	1.34	3.18
T073	Storage Tank 73	VOC	1.34	3.18
T074	Storage Tank 74	VOC	1.34	3.18
T075	Storage Tank 75	VOC	1.34	3.18
T076	Storage Tank 76	VOC	1.34	3.18
EVAP	Storage Tank EVAP	VOC	0.46	3.18
TFARM (T001 thru EVAP)	Storage Tank Farm Annual Cap (6)	VOC		3.18
T049	Pitch Emulsion Tank	VOC	2.22	0.58
T051	Venturi Scrubber/Vapor Knockout Tank System Stack (Product Cooling Tank, Coal Tar Pitch Railcar and Truck Loading Rack, Still Collecting Pan, and Coal Tar Enamel Drumming)	VOC	20.00	8.65
TADJ	Adjusting Oil Tank	VOC	0.04	0.03
T005E	Enamel Mix Tank	VOC	0.34	0.10
SH1	Still No. 1 Heater Vent	VOC	0.06	0.14
		NO_x	1.12	2.61
		CO	0.94	2.19
		SO_2	0.01	0.01

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		PM	0.09	0.27
		PM_{10}	0.06	0.18
		$PM_{2.5}$	0.03	0.09
SH2	Still No. 2 Heater Vent	VOC	0.06	0.14
		NO_x	1.12	2.61
		CO	0.94	2.19
		SO_2	0.01	0.01
		PM	0.09	0.27
		PM_{10}	0.06	0.18
		$PM_{2.5}$	0.03	0.09
SH3	Still No. 3 Heater Vent	VOC	0.06	0.14
		NO_x	1.12	2.61
		CO	0.94	2.19
		SO_2	0.01	0.01
		PM	0.09	0.27
		PM_{10}	0.06	0.18
		$PM_{2.5}$	0.03	0.09
SH4	Still No. 4 Heater Vent	VOC	0.06	0.14
		NO_x	1.12	2.61
		CO	0.94	2.19
		SO_2	0.01	0.01
		PM	0.09	0.27
		PM_{10}	0.06	0.18
		$PM_{2.5}$	0.03	0.09
FUG1	Plant Fugitives (5)	VOC	0.08	0.38

(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
CO - carbon monoxide
NO_x - total oxides of nitrogen

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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) The combined annual emissions of the Tank Farm (Tanks T001 thru EVAP) are limited to the Emission Cap of 3.18 tons per year (TPY) of VOC.

Date: June 24, 2016