Emission Sources - Maximum Allowable Emission Rates

Permit Number 122362/PSDTX1430M1

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-101	Tank T-101	VOC	6.72	13.77
		H_2S	0.01	0.02
T-102	Tank T-102	VOC	6.72	13.77
		H_2S	0.01	0.02
T-103	Tank T-103	VOC	8.39	13.97
		H_2S	0.01	0.02
T-104	Tank T-104	VOC	6.72	13.77
		H_2S	0.01	0.02
T-105	Tank T-105	VOC	6.72	13.77
		H_2S	0.01	0.02
T-106	Tank T-106	VOC	8.39	13.97
		H_2S	0.01	0.02
T-107	Tank T-107	VOC	6.72	13.77
		H_2S	0.01	0.02
T-108	Tank T-108	VOC	6.72	13.77
		H_2S	0.01	0.02
T-109	Tank T-109	VOC	8.39	13.97
		H_2S	0.01	0.02
T-110	Tank T-110	VOC	8.39	13.97
		H_2S	0.01	0.02
T-111	Tank T-111	VOC	8.39	13.97
		H_2S	0.01	0.02
T-112	Tank T-112	VOC	8.39	13.97
		H_2S	0.01	0.02
T-113	Tank T-113	VOC	8.39	13.97

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		H_2S	0.01	0.02
T-114	Tank T-114	VOC	8.39	13.97
		H_2S	0.01	0.02
T-115	Tank T-115	VOC	8.39	13.97
		H_2S	0.01	0.02
T-116	Tank T-116	VOC	8.39	13.97
		H_2S	0.01	0.02
T-117	Tank T-117	VOC	8.39	13.97
		H_2S	0.01	0.02
T-118	Tank T-118	VOC	8.39	13.97
		H_2S	0.01	0.02
T-119	Tank T-119	VOC	8.39	13.97
		H_2S	0.01	0.02
T-120	Tank T-120	VOC	8.39	13.97
		H_2S	0.01	0.02
T-200	Tank T-200	VOC	1.63	1.68
		H_2S	<0.01	<0.01
T-201	Tank T-201	VOC	1.63	1.68
		H_2S	<0.01	<0.01
T-202	Tank T-202	VOC	1.63	1.68
		H_2S	<0.01	<0.01
T-203	Tank T-203	VOC	1.63	1.68
		H_2S	<0.01	<0.01
TANKCAP	Tank Cap	VOC	-	195.67
		H_2S	-	0.35
DOCK-1	Uncollected Loading Dock No. 1	VOC	12.30	-
		H_2S	0.02	-
DOCK-2	Uncollected Loading Dock No. 2	VOC	7.69	-
		H_2S	0.01	-
DOCK-3	Uncollected Loading	VOC	7.69	-

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		H_2S	0.01	-
DOCK CAP	Uncollected Dock Emissions Cap	VOC	-	17.43
		H_2S	-	0.03
VCU-1	Collected and Controlled Marine Loading	VOC	52.43	-
		NO_x	33.81	-
		CO	67.50	-
		H_2S	0.37	-
		SO_2	37.25	-
		PM	1.83	-
		PM_{10}	1.83	-
		$PM_{2.5}$	1.83	-
VCU-2	Collected and Controlled Marine Loading	VOC	52.43	-
		NO_x	33.81	-
		CO	67.50	-
		H_2S	0.37	-
		SO_2	37.25	-
		PM	1.83	-
		PM_{10}	1.83	-
		$PM_{2.5}$	1.83	-
VCU-3	Collected and Controlled Marine Loading	VOC	52.43	-
		NO_x	33.81	-
		CO	67.50	-
		H_2S	0.37	-
		SO_2	37.25	-
		PM	1.83	-
		PM_{10}	1.83	-
		$PM_{2.5}$	1.83	-
VCU-5	Collected and Controlled Marine Loading	VOC	52.43	-
		NO_x	33.81	-

Emission Sources - Maximum Allowable Emission Rates

		CO	67.50	-
		H_2S	0.37	-
		SO_2	37.25	-
		PM	1.83	-
		PM_{10}	1.83	-
		$PM_{2.5}$	1.83	-
VCU-6	Collected and Controlled Marine Loading	VOC	52.43	-
		NO_x	33.81	-
		CO	67.50	-
		H_2S	0.37	-
		SO_2	37.25	-
		PM	1.83	-
		PM_{10}	1.83	-
		$PM_{2.5}$	1.83	-
VCU-7	Collected and Controlled Marine Loading	VOC	52.43	-
		NO_x	33.81	-
		CO	67.50	-
		H_2S	0.37	-
		SO_2	37.25	-
		PM	1.83	-
		PM_{10}	1.83	-
		$PM_{2.5}$	1.83	-
VCUCAP	Collected and Controlled Marine Loading Annual Emissions Cap	VOC	-	79.14
		NO_x	-	76.76
		CO	-	153.25
		H_2S	-	0.56
		SO_2	-	56.38
		PM	-	4.14
		PM_{10}	-	4.14

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		$PM_{2.5}$	-	4.14
TRUCKLOAD	Uncollected Truck Loading	VOC	1.64	0.06
		H_2S	<0.01	<0.01
VCU-4	Controlled Truck Loading / Routine Tank Floating Roof Landing Emissions	VOC	7.70	1.26
		NO_x	14.42	3.53
		CO	28.79	7.05
		H_2S	0.27	0.04
		SO_2	27.32	4.49
		PM	0.78	0.19
		PM_{10}	0.78	0.19
		$PM_{2.5}$	0.78	0.19
FUG	Equipment Fugitives (5)	VOC	3.99	17.48
		H_2S	<0.01	0.03
MSS-CONT	Controlled MSS Cap	VOC	30.05	1.02
		NO_x	6.29	1.21
		CO	12.57	2.41
		H_2S	0.11	<0.01
		SO_2	10.67	0.37
		PM	0.34	0.07
		PM_{10}	0.34	0.07
		$PM_{2.5}$	0.34	0.07
MSS-ATM	Uncontrolled MSS Emission Cap	VOC	337.15	7.69
		H_2S	0.56	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

Emission Sources - Maximum Allowable Emission Rates

(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.

Date: December 12, 2018