Emission Sources - Maximum Allowable Emission Rates

Permit Number 122362 and 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	9.94	5.52
		H_2S	0.01	<0.01
T-102	Tank T-102	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-103	Tank T-103	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-104	Tank T-104	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-105	Tank T-105	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-106	Tank T-106	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-107	Tank T-107	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-108	Tank T-108	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-109	Tank T-109	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-110	Tank T-110	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-111	Tank T-111	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-112	Tank T-112	VOC	9.11	6.54
		H_2S	0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

T-113	Tank T-113	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-114	Tank T-114	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-115	Tank T-115	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-116	Tank T-116	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-117	Tank T-117	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-118	Tank T-118	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-119	Tank T-119	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-120	Tank T-120	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-121	Tank T-121	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 122	Tank T- 122	VOC	9.91	6.02
		H_2S	0.01	<0.01
T- 123	Tank T- 123	VOC	9.91	6.02
		H_2S	0.01	<0.01
T- 124	Tank T- 124	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 125	Tank T- 125	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 126	Tank T- 126	VOC	8.86	4.00
		H_2S	0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

T- 127	Tank T- 127	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 128	Tank T- 128	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-129	Tank T-129	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-130	Tank T-130	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-131	Tank T-131	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-132	Tank T-132	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-133	Tank T-133	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-134	Tank T-134	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-135	Tank T-135	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-136	Tank T-136	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-137	Tank T-137	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-138	Tank T-138	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-139	Tank T-139	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 140	Tank T- 140	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 141	Tank T- 141	VOC	9.11	6.54
		H_2S	0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

T- 142	Tank T- 142	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 143	Tank T- 143	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 144	Tank T- 144	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-201	Tank T-201	VOC	2.03	0.52
		H_2S	<0.01	<0.01
T-202	Tank T-202	VOC	2.03	0.52
		H_2S	<0.01	<0.01
EMERTK1	Emergency Relief Tank 1	VOC	11.36	0.36
		H_2S	0.01	<0.01
EMERTK2	Emergency Relief Tank 2	VOC	11.36	0.36
		H_2S	0.01	<0.01
TANKCAP	Tank Cap	VOC	-	193.22
		H_2S	-	0.16
DOCK-2	Uncollected Loading Dock No. 2	VOC	11.87	-
		H_2S	0.01	-
DOCK-4	Uncollected Loading Dock No. 4	VOC	11.87	-
		H_2S	0.01	-
DOCK-5	Uncollected Loading Dock No. 5	VOC	11.87	-
		H_2S	0.01	-
DOCK CAP	Uncollected Dock Emissions Cap	VOC	-	35.54
		H_2S	-	0.04
VCU-1	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCU-2	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCU-3	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCU-5	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-

Emission Sources - Maximum Allowable Emission Rates

VCU-6	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCU-7	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCUCAP	Collected and Controlled Marine Loading Annual Emissions Cap	VOC	-	36.53
		NO_x	-	9.06
		CO	-	4.16
		PM	-	5.12
		PM_{10}	-	5.12
		$PM_{2.5}$	-	5.12
		SO_2	-	63.25
		H_2S	-	0.03
TRUCKLOAD	Uncollected Truck Loading	VOC	2.91	0.04
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

VCU-4	Controlled Truck Loading / Routine Tank Floating Roof Landing Emissions	VOC	3.51	0.28
		NO_x	2.28	0.46
		CO	1.53	0.34
		PM	0.17	0.03
		PM_{10}	0.17	0.03
		$PM_{2.5}$	0.17	0.03
		SO_2	4.90	0.27
		H_2S	<0.01	<0.01
PORTVC	Portable VCU for Controlled Roof Landings & Degas	VOC	1.57	0.46
		NO_x	1.61	1.11
		CO	1.07	0.73
		PM	0.12	0.06
		PM_{10}	0.12	0.06
		$PM_{2.5}$	0.12	0.06
		SO_2	4.33	1.20
		H_2S	<0.01	0.01
FUG	Equipment Fugitives (5)	VOC	2.16	9.48
		H_2S	<0.01	0.01
MSS-CONT	Equipment MSS Vapors Vented	VOC	0.52	0.01
		NO_x	0.98	0.02
		CO	0.66	0.01
		PM	0.07	<0.01
		PM_{10}	0.07	<0.01
		$PM_{2.5}$	0.07	<0.01
		SO_2	0.82	0.02
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

MSS-CONT	Equipment MSS Refilling	VOC	0.31	0.01
		NO_x	0.59	0.01
		CO	0.39	0.01
		PM	0.04	<0.01
		PM_{10}	0.04	<0.01
		$PM_{2.5}$	0.04	<0.01
		SO_2	0.49	0.01
		H_2S	<0.01	<0.01
MSS-CONT	Air Mover and Vacuum Truck MSS	VOC	0.17	0.01
		NO_x	0.31	0.01
		CO	0.21	0.01
		PM	0.02	<0.01
		PM_{10}	0.02	<0.01
		$PM_{2.5}$	0.02	<0.01
		SO_2	0.26	0.01
		H_2S	<0.01	<0.01
MSS-CONT	Frac Tank Emissions	VOC	0.20	0.03
		NO_x	0.38	0.06
		CO	0.25	0.04
		PM	0.03	<0.01
		PM_{10}	0.03	<0.01
		$PM_{2.5}$	0.03	<0.01
		SO_2	0.32	0.06
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

MSS-CONT	Pilot Emissions	VOC	<0.01	0.01
		NO_x	0.04	0.17
		CO	0.02	0.10
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		SO_2	<0.01	<0.01
MSS-CONT	Controlled MSS Cap	VOC	-	0.07
		NO_x	-	0.27
		CO	-	0.17
		PM	-	0.02
		PM_{10}	-	0.02
		$PM_{2.5}$	-	0.02
		SO_2	-	0.10
		H_2S	-	<0.01
MSS-ATM	Equipment MSS Vapors Vented	VOC	102.11	1.09
		H_2S	0.09	<0.01
MSS-ATM	Equipment Draining	VOC	20.12	0.30
		H_2S	0.02	<0.01
MSS-ATM	Equip Vapor Space Emission (to Atm Post Control)	VOC	8.94	0.18
		H_2S	0.01	<0.01
MSS-ATM	Equipment MSS Refilling	VOC	61.27	0.66
		H_2S	0.05	<0.01
MSS-ATM	Uncontrolled Venting from Storage Tank Degassing	VOC	257.41	5.45
		H_2S	0.27	<0.01
MSS-ATM	Misc Inherently Low Emitting Maint Activities	VOC	21.36	0.21
		H_2S	0.02	<0.01
MSS-ATM	Uncontrolled MSS Emission Cap	VOC	471.20	7.90
		H_2S	0.45	<0.01

Emission Sources - Maximum Allowable Emission Rates

BLAST	MSS Abrasive Blasting	PM	4.29	4.86
		PM_{10}	0.51	0.58
		$PM_{2.5}$	0.08	0.09
HOPPER	MSS Hopper Loading	PM	0.14	0.01
		PM_{10}	0.08	0.01
		$PM_{2.5}$	0.01	0.01
BLASTLOAD	MSS Blast Pot Loading	PM	0.09	0.01
		PM_{10}	0.03	0.01
		$PM_{2.5}$	0.01	0.01
ROLLOFF	MSS Roll-off Box Loading	PM	0.09	0.01
		PM_{10}	0.03	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
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
(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: November 30, 2020