Emission Sources - Maximum Allowable Emission Rates

Permit Number 124241

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)
TK-101	Tank TK-101	VOC	5.65	8.62
		H_2S	0.02	0.03
TK-102	Tank TK-102	VOC	5.65	8.62
		H_2S	0.02	0.03
TK-103	Tank TK-103	VOC	5.65	8.62
		H_2S	0.02	0.03
TK-104	Tank TK-104	VOC	5.65	8.62
		H_2S	0.02	0.03
TK-105	Tank TK-105	VOC	5.65	8.62
		H_2S	0.02	0.03
TK-106	Tank TK-106	VOC	5.65	8.62
		H_2S	0.02	0.03
TK-107	Tank TK-107	VOC	6.22	7.48
		H_2S	0.02	0.03
TK-108	Tank TK-108	VOC	6.22	7.48
		H_2S	0.02	0.03
TK-109	Tank TK-109	VOC	6.22	7.48
		H_2S	0.02	0.03
TK-DSI	Tank TK-DS1	VOC	0.07	<0.01
TK-DS2	Tank TK-DS2	VOC	0.07	<0.01
TANKCAP	Tank Cap	VOC	-	37.08
		H_2S	-	0.13

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PVCU-1	Portable Routine Tank Landing Emissions Control	VOC	95.01	6.23
		NOx	17.69	1.95
		CO	35.32	3.88
		H_2S	0.13	0.01
		SO_2	0.08	0.01
		PM	1.05	0.29
		PM_{10}	1.05	0.29
		$PM_{2.5}$	1.05	0.29
DOCK-A	Uncollected Loading Dock No. A	VOC	30.84	-
		H_2S	0.11	-
DOCK-B	Uncollected Loading Dock No. B	VOC	30.84	-
		H_2S	0.11	-
DOCK-A & DOCK-B	Uncollected Loading Dock No. A & B	VOC	-	31.85
		H_2S	-	0.11
MVCS-A	Collected and Controlled Marine Loading	VOC	6.11	-
		NOx	22.50	-
		CO	30.00	-
		H_2S	0.02	-
		SO_2	0.09	-
		PM	1.12	-
		PM_{10}	1.12	-
		$PM_{2.5}$	1.12	-
MVCS-B	Collected and Controlled Marine Loading	VOC	6.11	-
		NOx	22.50	-
		CO	30.00	-
		H_2S	0.02	-
		SO_2	0.09	-
		PM	1.12	-
		PM_{10}	1.12	-

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		$PM_{2.5}$	1.12	-
MVCS-A & MVCS-B	Collected and Controlled Marine Loading	VOC	-	11.61
		NOx	-	41.48
		CO	-	55.31
		H_2S	-	0.04
		SO_2	-	0.16
		PM	-	2.06
		PM_{10}	-	2.06
		$PM_{2.5}$	-	2.06
FUG (5)	Equipment Fugitives	VOC	1.23	5.40
		H_2S	0.00	0.02
EFWP-1	Emergency Firewater Pump No. 1	VOC	0.14	0.01
		NOx	3.54	0.35
		CO	0.68	0.07
		SO_2	1.26	0.13
		PM	0.12	0.01
		PM_{10}	0.12	0.01
		$PM_{2.5}$	0.12	0.01
EGEN-1	Emergency Generator No. 1	VOC	0.70	0.07
		NOx	0.04	<0.01
		CO	0.26	0.03
		SO_2	0.33	0.03
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
EGEN-2	Emergency Generator No. 2	VOC	0.70	0.07
		NOx	0.04	<0.01
		CO	0.26	0.03
		SO_2	0.33	0.03

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		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
EGEN-3	Emergency Generator No. 3	VOC	0.46	0.05
		NOx	0.09	<0.01
		CO	0.14	0.01
		SO_2	0.38	0.04
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
SUMP-1	Sump No. 1	VOC	15.95	0.10
		H_2S	0.06	<0.01
SUMP-2	Sump No. 2	VOC	15.95	0.10
		H_2S	0.06	<0.01
MSS-CONT	Controlled MSS Cap	VOC	32.34	0.65
		NOx	13.17	0.46
		CO	26.30	0.93
		H_2S	0.11	<0.01
		SO_2	0.06	<0.01
		PM	3.67	0.13
		PM_{10}	3.67	0.13
		$PM_{2.5}$	3.67	0.13
MSS-ATM	Uncontrolled MSS Cap	VOC	201.39	2.99
		H_2S	0.71	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

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$PM_{2.5}$ - 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 13, 2015