Emission Sources - Maximum Allowable Emission Rates

Permit Number 56508 and PSDTX1444

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)
MVCU1	Marine Vapor Combustion Unit 1	NO_x	23.09	--
		CO	46.10	--
		SO_2	20.10	--
		VOC	58.32	--
		PM	1.25	--
		PM_{10}	1.25	--
		$PM_{2.5}$	1.25	--
		H_2S	0.28	--
MVCU2	Marine Vapor Combustion Unit 2	NO_x	21.15	--
		CO	42.23	--
		SO_2	12.05	--
		VOC	49.63	--
		PM	1.14	--
		PM_{10}	1.14	--
		$PM_{2.5}$	1.14	--
		H_2S	0.33	--
MVCU3	Marine Vapor Combustion Unit 3	NO_x	23.79	--
		CO	47.50	--
		SO_2	34.40	--
		VOC	68.24	--
		PM	1.28	--
		PM_{10}	1.28	--
		$PM_{2.5}$	1.28	--

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		H_2S	0.18	--
MVCU4	Marine Vapor Combustion Unit 4	NO_x	21.15	--
		CO	42.23	--
		SO_2	12.05	--
		VOC	49.63	--
		PM	1.14	--
		PM_{10}	1.14	--
		$PM_{2.5}$	1.14	--
		H_2S	0.33	--
MVCU5	Marine Vapor Combustion Unit 5	NO_x	21.15	--
		CO	42.23	--
		SO_2	12.05	--
		VOC	49.63	--
		PM	1.14	--
		PM_{10}	1.14	--
		$PM_{2.5}$	1.14	--
		H_2S	0.33	--
MVCU6	Marine Vapor Combustion Unit 6	NO_x	21.15	--
		CO	42.23	--
		SO_2	12.05	--
		VOC	49.63	--
		PM	1.14	--
		PM_{10}	1.14	--
		$PM_{2.5}$	1.14	--
		H_2S	0.33	--
COMBUSTCAP	Marine Vapor Combustion Unit 1, 2, 3, 4, 5, and 6 Emissions Cap	NO_x	--	6.09
		CO	--	24.26
		SO_2	--	3.16

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		VOC	--	14.76
		PM	--	0.33
		PM_{10}	--	0.33
		$PM_{2.5}$	--	0.33
		H_2S	--	0.02
MVCU1-FUG	Marine Vapor Combustion Unit 1 Fugitives (5)	VOC	0.27	1.19
		H_2S	<0.01	<0.01
MVCU2-FUG	Marine Vapor Combustion Unit 2 Fugitives (5)	VOC	0.27	1.19
		H_2S	<0.01	<0.01
MVCU3-FUG	Marine Vapor Combustion Unit 3 Fugitives (5)	VOC	0.27	1.19
		H_2S	<0.01	<0.01
MVCU4-FUG	Marine Vapor Combustion Unit 4 Fugitives (5)	VOC	0.27	1.19
		H_2S	<0.01	<0.01
MVCU5-FUG	Marine Vapor Combustion Unit 5 Fugitives (5)	VOC	0.27	1.19
		H_2S	<0.01	<0.01
MVCU6-FUG	Marine Vapor Combustion Unit 6 Fugitives (5)	VOC	0.27	1.19
		H_2S	<0.01	<0.01
LOADBDA	Barge Dock A Loading	VOC	119.73	--
		H_2S	0.32	--
LOADBDB	Barge Dock B Loading	VOC	119.73	--
		H_2S	0.32	--
LOADBDD	Barge Dock D Loading	VOC	119.73	--
		H_2S	0.32	--
LOADSD1	Ship Dock 1 Loading	VOC	235.10	--
		H_2S	1.57	--
LOADSD2	Ship Dock 2 Loading	VOC	261.22	--
		H_2S	1.75	--

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LOADSD4	Ship Dock 4 Loading	VOC	261.22	--
		H_2S	1.75	--
LOADSD6	Ship Dock 6 Loading	VOC	261.22	--
		H_2S	1.75	--
LOADSD7	Ship Dock 7 Loading	VOC	261.22	--
		H_2S	1.75	--
LOADCAP	Docks A, B, D, 1, 2, 4, 6, and 7 Loading Emission Cap	VOC	--	77.69
		H_2S	--	0.09
LOADBDC	Barge Dock C Loading	VOC	4.51	4.91
		H_2S	0.02	<0.01
LBDAFUG	Barge Dock A Fugitives (5)	VOC	0.18	0.36
		H_2S	<0.01	<0.01
LBDBFUG	Barge Dock B Fugitives (5)	VOC	0.18	0.36
		H_2S	<0.01	<0.01
LBDCFUG	Barge Dock C Fugitives (5)	VOC	0.18	0.36
		H_2S	<0.01	<0.01
LBDDFUG	Barge Dock D Fugitives (5)	VOC	0.18	0.36
		H_2S	<0.01	<0.01
LSD1FUG	Ship Dock 1 Fugitives (5)	VOC	0.17	0.31
		H_2S	<0.01	<0.01
LSD2FUG	Ship Dock 2 Fugitives (5)	VOC	0.17	0.31
		H_2S	<0.01	<0.01
LSD4FUG	Ship Dock 4 Fugitives (5)	VOC	0.17	0.31
		H_2S	<0.01	<0.01
LSD6FUG	Ship Dock 6 Fugitives (5)	VOC	0.17	0.31
		H_2S	<0.01	<0.01
LSD7FUG	Ship Dock 7	VOC	0.17	0.31

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		H_2S	<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
CO - carbon monoxide
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
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: September 18, 2015