

Emission Sources - Maximum Allowable Emission Rates

Permit Number 56508

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)
FLARE	Marine Dock Loading Flare	NO _x	30.61	--
		CO	61.12	--
		SO ₂	56.07	--
		VOC	142.76	--
		H ₂ S	0.60	--
MVCU2	Marine Vapor Combustion Unit 2	NO _x	30.61	--
		CO	61.12	--
		SO ₂	56.07	--
		VOC	71.38	--
		H ₂ S	0.30	--
COMBUSTCAP	Flare and Marine Vapor Combustion Unit 2 Emissions Cap	CO	--	20.52
		H ₂ S	--	0.03
		NO _x	--	10.28
		SO ₂	--	2.64
		VOC	--	24.50
FLAREFUG	Flare Component Fugitives (5)	VOC	0.54	2.37
		H ₂ S	<0.01	<0.01
MVCU2-FUG	Marine Vapor Combustion Unit 2 Component Fugitives (5)	VOC	0.54	2.37
		H ₂ S	<0.01	<0.01

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	Loading Fugitive	H ₂ S	0.32	--
LOADBDB	Barge Dock B Loading Fugitive	VOC	118.75	--
		H ₂ S	0.32	--
LOADSD1	Ship Dock 1 Loading Fugitive	VOC	233.18	--
		H ₂ S	1.57	--
LOADSD2	Ship Dock 2 Loading Fugitive	VOC	233.18	--
		H ₂ S	1.57	--
LOADCAP	Docks A, B, 1 & 2 Loading Fugitives Emission Cap	VOC	--	64.46
		H ₂ S	--	0.08
LOADBDC	Barge Dock C Loading Fugitive	VOC	990.39	4.94
		H ₂ S	4.17	<0.01
LBDAFUG	Barge Dock A Component Fugitives (5)	VOC	0.28	0.59
		H ₂ S	<0.01	<0.01
LBDBFUG	Barge Dock B Component Fugitives (5)	VOC	0.28	0.59
		H ₂ S	<0.01	<0.01
LBDCFUG	Barge Dock C Component Fugitives (5)	VOC	0.28	0.59
		H ₂ S	<0.01	<0.01
LSD1FUG	Ship Dock 1 Component Fugitives (5)	VOC	0.26	0.51
		H ₂ S	<0.01	<0.01
LSD2FUG	Ship Dock 2 Component Fugitives (5)	VOC	0.26	0.51
		H ₂ S	<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
SO₂ - sulfur dioxide
CO - carbon monoxide

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H₂S - 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: June 11, 2014