

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 7238 and PSDTX1548

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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
7 th Street Tank Farm				
TK01590	Tank 1590	VOC	1.45	4.05
TK01851	Tank 1851	VOC	7.26	0.19
TK01852	Tank 1852	VOC	0.03	0.01
TK29745	Tank 29745	VOC	15.23	4.25
TK02150	Tank 2150	VOC	21.32	--
TK02136	Tank 2136	VOC	21.32	--
TK01521	Tank 1521	VOC	21.32	--
TK02150, TK02136, TK01521	Diesel Tank Cap	VOC	--	11.50
TK38659	Tank 38659	VOC	28.12	--
TK38654	Tank 38654	VOC	21.32	--
TK38659, TK38654	Diesel Tank Cap	VOC	--	6.06
883TK001X	Benzene Tank 1	VOC	1.31	--
883TK002X	Benzene Tank 2	VOC	1.31	--
883TK001X, 883TK002X	Benzene Tank Cap	VOC	--	5.73
FSSTFPHPMT	7 th Street Tank Farm Fugitives (5)	VOC	0.12	0.52
FSSTFPHVHP	7 th Street Tank Farm Fugitives (5)	VOC	1.14	5.01
TK01593	Tank 1593	Lube Oil (6)	--	--
TK01594	Tank 1594	Lube Oil (6)	--	--
TK01595	Tank 1595	Lube Oil (6)	--	--
TK01889	Tank 1889	Lube Oil (6)	--	--
TK02142	Tank 2142	Lube Oil (6)	--	--
TK02143	Tank 2143	Lube Oil (6)	--	--

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Texaco Island				
TK01445	Tank 1445	Lube Oil (6)	--	--
TK01547	Tank 1547	Lube Oil (6)	--	--
TK01548	Tank 1548	Lube Oil (6)	--	--
TK01608	Tank 1608	Lube Oil (6)	--	--
TK38655	Tank 38655	VOC	0.36	0.01
TK38656	Tank 38656	VOC	6.59	0.08
502TK004X	Paraxylene Tank 1	VOC	1.33	--
502TK005X	Paraxylene Tank 2	VOC	1.33	--
502TK006X	Paraxylene Tank 3	VOC	1.33	--
502TK007X	Paraxylene Tank 4	VOC	1.33	--
502TK004X, 502TK005X, 502TK006X, 502TK007X	Paraxylene Tank Cap	VOC	--	2.07
883TK008X	Aromatics Import Tank	VOC	1.72	1.59
883TK009X	Reformate Import Tank	VOC	3.56	7.17
TK038651	Tank 38651	VOC	0.03	0.01
TK38653	Tank 38653	VOC	1.05	3.01
ENGINE6	Engine 6	VOC	0.14	0.01
		NO _x	3.54	0.18
		CO	0.68	0.03
		SO ₂	0.01	<0.01
		PM	0.12	0.01
		PM ₁₀	0.12	0.01
		PM _{2.5}	0.12	0.01

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35.94				
		NO _x	36.21	11.73
		CO	72.28	23.41
		SO ₂	1.46	0.15
		PM	1.95	0.63
		PM ₁₀	1.95	0.63
		PM _{2.5}	1.95	0.63
EPAT2 (8) (9)	Vapor Combustor 2 - Berth 1	VOC	69.08	35.94
		NO _x	36.21	11.73
		CO	72.28	23.41
		SO ₂	1.46	0.15
		PM	1.95	0.63
		PM ₁₀	1.95	0.63
		PM _{2.5}	1.95	0.63
FBTH6 (10)	Ship Loading Losses Controlled Products Only	VOC	27.63	14.38
FBTH6 (10)	Barge Loading Losses Controlled Products Only	VOC (7)	--	--
FBTH6 (10)	Barge Loading Losses Non-Controlled Products	VOC	14.84	18.51
FBTH6 (10)	Ship Loading Losses Non-Controlled Products	VOC	12.25	7.40
FBTH6 (10)	Pressurized Loading Disconnect Losses	VOC	11.66	2.91
FBTH7 (10)	Ship Loading Losses Controlled Products Only	VOC	27.63	14.38
FBTH7 (10)	Barge Loading Losses Controlled Products Only	VOC (7)	--	--
FBTH7 (10)	Barge Loading Losses Non-Controlled Products	VOC	14.84	18.51
FBTH7 (10)	Ship Loading Losses Non-Controlled	VOC	12.25	7.40

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	Products			
FBTH7 (10)	Pressurized Loading Disconnect Losses	VOC	11.66	2.91
FBTH1 (9)	Ship Loading Losses Controlled Products Only	VOC	27.63	14.49
FBTH1 (9)	Barge Loading Losses Controlled Products Only	VOC (8)	--	--
FBTH1 (9)	Pressurized Loading Disconnect Losses	VOC	11.66	2.91
FBTH2 (10)	Ship Loading Losses Controlled Products Only	VOC	27.63	14.38
FBTH2 (10)	Barge Loading Losses Controlled Products Only	VOC (7)	--	--
FBTH2 (10)	Barge Loading Losses Non-Controlled Products	VOC	14.84	18.51
FBTH2 (10)	Ship Loading Losses Non-Controlled Products	VOC	12.25	7.40
FBTH6, FBTH7, FBTH1, FBTH2, EPAT, EPAT2 (9)(10)	Overall Marine Loading Cap	VOC	--	57.36
FPATDOCK	Process Fugitives (5)	VOC	8.51	37.30

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MSSCS	MSSCS	VOC	26.93	0.69
		NO _x	3.78	0.97
		CO	7.55	1.93
		SO ₂	0.01	0.07
		PM	0.20	0.05
		PM ₁₀	0.20	0.05
		PM _{2.5}	0.20	0.05
TK MSS	Tank MSS	VOC	142.74	2.60
MSS-CONT	Controlled MSS Cap	VOC	0.07	0.01
MSS-UNCONT	Uncontrolled MSS Cap	VOC	21.81	4.88
		PM	1.28	2.47
		PM ₁₀	0.27	0.71
		PM _{2.5}	0.09	0.27
		Exempt Solvent	0.02	0.02

- (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
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - 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
- 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.
- (6) The material stored in this tank has a vapor pressure less than 0.0002 psia at 104°F and is therefore not considered an air contaminant.
- (7) 100% collection efficiency is applied for barge loading of controlled products. Emissions are reported under EPN EPAT.
- (8) 100% collection efficiency is applied for barge loading of controlled products. Emissions are reported under EPN EPAT2.
- (9) Total annual emissions of VOC from EPNs FBTH1 and EPAT2 shall not exceed these values.
- (10) Total annual emissions of VOC and Benzene from EPNs FBTH6, FBTH7, FBTH2, and EPAT shall not exceed these values.

Date: June 26, 2023