

Emission Sources - Maximum Allowable Emission Rates

Permit Number 7238

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)
TK01480	Tank 1480	VOC	2.15	0.13
TK01512	Tank 1512	VOC	18.83	3.70
TK01546	Tank 1546	VOC	0.63	1.71
		Benzene	0.01	0.04
TK01564	Tank 1564	VOC	1.88	10.91
TK01590	Tank 1590	VOC	3.10	4.30
		Benzene	0.01	0.02
TK01848	Tank 1848	VOC	0.08	0.01
		Benzene	0.01	0.01
TK01851	Tank 1851	VOC	19.94	0.29
		Benzene	0.08	0.01
TK01852	Tank 1852	VOC	0.08	0.01
		Benzene	0.01	0.01
TK14820	Tank 14820	VOC	18.17	3.40
TK29745	Tank 29745	VOC	15.23	4.25
TK32277	Tank 32277	VOC	0.08	0.01
		Benzene	0.01	0.01
AddTK1	Additive Tank 1	VOC	0.36	<0.01
AddTK2	Additive Tank 2	VOC	6.59	0.09

Emission Sources - Maximum Allowable Emission Rates

TK021X1	Tank 21X1	VOC	2.39	(7)
		Benzene	0.01	(7)
TK021X2	Tank 21X2	VOC	2.39	(7)
		Benzene	0.01	(7)
TK021X3	Tank 21X3	VOC	2.39	(7)
		Benzene	0.01	(7)
TK021X1, TK021X2, TK021X3 (7)	Gasoline Tank Cap	VOC	--	9.42
		Benzene	--	0.04
TK02150	Tank 2150	VOC	27.89	(8)
		Benzene	0.04	(8)
TK02136	Tank 2136	VOC	27.89	(8)
		Benzene	0.04	(8)
TK01521	Tank 1521	VOC	27.89	(8)
		Benzene	0.04	(8)
TK02150, TK02136, TK01521 (8)	Diesel Tank Cap	VOC	--	11.57
		Benzene	--	0.02
TK021X4	Tank 21X4	VOC	27.89	(9)
		Benzene	0.04	(9)
TK021X5	Tank 21X5	VOC	27.89	(9)
		Benzene	0.04	(9)
TK021X4, TK021X5 (9)	Diesel Tank Cap	VOC	--	6.14
		Benzene	--	0.01
FSSTFPH (5)	7th Street Tank Farm Fugitives	VOC	0.12	0.50
		Benzene	0.01	0.01
TK01445	Tank 1445	Lube Oil (6)	-	-
TK01547	Tank 1547	Lube Oil (6)	-	-

Emission Sources - Maximum Allowable Emission Rates

TK01548	Tank 1548	Lube Oil (6)	-	-
TK01589	Tank 1589	Lube Oil (6)	-	-
TK01593	Tank 1593	Lube Oil (6)	-	-
TK01594	Tank 1594	Lube Oil (6)	-	-
TK01595	Tank 1595	Lube Oil (6)	-	-
TK01608	Tank 1608	Lube Oil (6)	-	-
TK01889	Tank 1889	Lube Oil (6)	-	-
TK02142	Tank 2142	Lube Oil (6)	-	-
TK02143	Tank 2143	Lube Oil (6)	-	-
MSSCS	MSSCS	VOC	22.53	0.29
		Benzene	0.10	0.01
		NO _x	3.17	0.30
		CO	6.34	0.60
		SO ₂	<0.01	<0.01
		PM	0.17	0.02
		PM ₁₀	0.17	0.02
		PM _{2.5}	0.17	0.02
TKMSS	Tank MSS	VOC	200.69	3.15
		Benzene	0.92	0.01
MSS-CONT	Controlled MSS Emissions Cap	NO _x	2.13	0.26
		SO ₂	<0.01	<0.01
		CO	1.33	0.16
		VOC	217.99	1.35
		PM	0.13	0.02
		PM ₁₀	0.13	0.02
		PM _{2.5}	0.13	0.02
		Benzene	0.92	≤0.01
MSS-UNCONT	Uncontrolled MSS Emissions Cap	PM	1.28	2.47

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	0.27	0.71
		PM _{2.5}	0.09	0.27
		VOC	11.39	4.58
		Exempt Solvent	0.02	0.02
		Benzene	0.01	≤0.01
EPAT (10) (11)	Vapor Combustor	CO	72.28	19.02
		NO _x	36.21	9.53
		SO ₂	1.46	0.15
		VOC	69.08	27.98
		PM	1.96	0.51
		PM ₁₀	1.96	0.51
		PM _{2.5}	1.96	0.51
Dock No. 1- Berth Nos. 6 and 7				
FBTH6 (10)	Ship Loading Losses Controlled Products Only	VOC	27.63	11.19
		Benzene	0.13	0.05
FBTH6 (10)	Barge Loading Losses Controlled Products Only	VOC (11)	-	-
		Benzene (11)	-	-
FBTH6 (10)	Barge Loading Losses Non-Controlled Products	VOC	10.11	10.30
		Benzene	0.02	0.02
FBTH6 (10)	Ship Loading Losses Non-Controlled Products	VOC	4.04	4.12
		Benzene	0.01	0.01
FBTH7 (10)	Ship Loading Losses Controlled Products Only	VOC	27.63	11.19
		Benzene	0.13	0.05
FBTH7 (10)	Barge Loading Losses Controlled Products Only	VOC (11)	-	-
		Benzene (11)	-	-
FBTH7 (10)	Barge Loading Losses Non-Controlled Products	VOC	10.11	10.30
		Benzene	0.02	0.02

Emission Sources - Maximum Allowable Emission Rates

FBTH7 (10)	Ship Loading Losses Non-Controlled Products	VOC	4.04	4.12
		Benzene	0.01	0.01
Dock Number 2 - Berth Number 2				
FBTH2 (10)	Ship Loading Losses Controlled Products Only	VOC	27.63	11.19
		Benzene	0.13	0.05
FBTH2 (10)	Barge Loading Losses Controlled Products Only	VOC (11)	-	-
		Benzene (11)	-	-
FBTH2 (10)	Barge Loading Losses Non-Controlled Products	VOC	10.11	10.30
		Benzene	0.02	0.02
FBTH2 (10)	Ship Loading Losses Non-Controlled Products	VOC	4.04	4.12
		Benzene	0.01	0.01
FBTH6, FBTH7, FBTH2, EPAT (10)	Overall Marine Loading Cap	VOC	--	38.27
		Benzene	--	0.14
FPATDOCK	Process Fugitives (5)	VOC	1.68	7.34

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - 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
- (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) Collective annual emission limits for Gasoline Tank EPNs TK021X1, TK021X2, and TK021X3.
- (8) Collective annual emission limits for Diesel Tank EPNs TK02150, TK02136, and TK01521.
- (9) Collective annual emission limits for Diesel Tank EPNs TK021X4 and TK021X5.
- (10) Total annual emissions of VOC and Benzene from EPNs FBTH6, FBTH7, FBTH2, and EPAT shall not exceed these values.
- (11) 100% collection efficiency is applied for barge loading of controlled products. Emissions are reported under EPN EPAT.

Emission Sources - Maximum Allowable Emission Rates

Date: June 9, 2017