

Emission Sources - Maximum Allowable Emission Rates

Permit Number 5680

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)
FUG-1	Process Fugitives (5)	VOC	0.53	2.31
TK2301	Gasoline Tank	VOC	5.91	-
TK2302	Gasoline Tank	VOC	5.82	-
TK2303	Gasoline Tank	VOC	5.82	-
TK2304	Gasoline Tank	VOC	5.82	-
TK2301, TK2302, TK2303, TK2304	Combined Gasoline Tanks	VOC	-	39.09
TK1301	Gasoline Tank	VOC	6.17	8.94
TK1701	Gasoline Tank	VOC	5.99	10.63
TK801	Gasoline Tank	VOC	2.75	9.74
TK802	Gasoline Tank	VOC	3.04	9.16
TK1201	Gasoline Tank	VOC	5.06	5.34
TK1202	Gasoline Tank	VOC	6.62	9.58
TK1501	Gasoline Tank	VOC	6.31	9.52
TK2101	Gasoline Tank	VOC	3.70	9.96
TK2305	Distillate Tank	VOC	13.51	-
TK3002	Distillate Tank	VOC	13.51	-
TK2305, TK3002	Combined Distillate Tanks	VOC	-	21.28
TK3001	Distillate Tank	VOC	13.51	10.20
TK1502	Distillate Tank	VOC	17.78	5.68
TK1503	Distillate Tank	VOC	17.78	5.69
TK201	Transmix Tank	VOC	1.27	3.50
TK202	Transmix Tank	VOC	1.27	3.50
TK101	Oily WasteWater Tank	VOC	0.98	2.91
TK-10, TK-20, TK-30,	Additive Tanks	VOC	27.49	1.42

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TK-40, TK-102, Red Dye,				
PROVE	Loading Rack Meter Prover	VOC	0.06	0.01
OWS-1	Oil Water Separator	VOC	0.05	0.21
SUMP	Rack Sump	VOC	0.05	0.21
VC1	Vapor Combustor Unit 1	VOC	20.75	-
		NO _x	13.86	-
		CO	17.31	-
		PM	0.13	-
		PM ₁₀	0.13	-
		PM _{2.5}	0.13	-
		SO ₂	0.08	-
VC2	Vapor Combustor Unit 2	VOC	20.75	-
		NO _x	13.86	-
		CO	17.31	-
		PM ₁₀	0.13	-
		PM _{2.5}	0.13	-
		PM	0.13	-
		SO ₂	0.08	-
VC1 and VC2	Vapor Combustor Cap	VOC	-	46.80
		NO _x	-	31.30
		CO	-	39.08
		PM ₁₀	-	0.28
		PM _{2.5}	-	0.28
		PM	-	0.28
		SO ₂	-	0.15
BAY-1	Loading Bay No. 1	VOC	7.09	5.93

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BAY-2	Loading Bay No. 2	VOC	7.09	7.55
BAY-3	Loading Bay No. 3	VOC	8.24	19.29
BAY-4	Loading Bay No. 4	VOC	8.26	19.30
BAY-5	Loading Bay No. 5	VOC	8.27	19.33
TKVCU-1	C5+ Storage Tank VCU No. 1	VOC	14.12	-
		NO _x	1.82	-
		CO	1.82	-
		H ₂ S	<0.01	-
		SO ₂	0.65	-
		PM	0.68	-
		PM ₁₀	0.68	-
		PM _{2.5}	0.68	-
TKVCU-2	C5+ Storage Tank VCU No. 2	VOC	14.12	-
		NO _x	1.82	-
		CO	1.82	-
		H ₂ S	<0.01	-
		SO ₂	0.65	-
		PM	0.68	-
		PM ₁₀	0.68	-
		PM _{2.5}	0.68	-
TKVCU-3	C5+ Storage Tank VCU No. 3	VOC	14.12	-
		NO _x	1.82	-
		CO	1.82	-

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		H ₂ S	<0.01	-
		SO ₂	0.65	-
		PM	0.68	-
		PM ₁₀	0.68	-
		PM _{2.5}	0.68	-
TKVCU-4	C5+ Storage Tank VCU No. 4	VOC	14.12	-
		NO _x	1.82	-
		CO	1.82	-
		H ₂ S	<0.01	-
		SO ₂	0.65	-
		PM	0.68	-
		PM ₁₀	0.68	-
		PM _{2.5}	0.68	-
TKVCU-1, TKVCU-2, TKVCU-3, TKVCU-4	C5+ Storage Tank VCU No. 1,2,3,4 Annual Emission Cap	VOC	-	9.50
		NO _x	-	12.10
		CO	-	12.10
		H ₂ S	-	<0.01
		SO ₂	-	0.23
		PM	-	4.51
		PM ₁₀	-	4.51
		PM _{2.5}	-	4.51
MSS	MSS Cap (C5+ Tanks)	VOC	210.71	1.09
		NO _x	51.43	0.90
		CO	68.57	1.20
		H ₂ S	0.02	<0.01
		SO ₂	7.58	0.01

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		PM	2.55	0.04
		PM ₁₀	2.55	0.04
		PM _{2.5}	2.55	0.04
FUG	Piping Fugitives (C5+ Tanks) (5)	VOC	0.60	2.64
		H ₂ S	<0.01	<0.01
T-E	Ethanol Day Tank	VOC	<0.01	0.01
T-G	Gasoline Sampling Tank	VOC	0.17	0.06
TK501	Ethanol Tank	VOC	0.18	0.68
TK301	BioDiesel Tank	VOC	1.18	2.87
TEMP-COMB	Temporary Combustion Control Device	VOC	2.36	0.07
		NO _x	2.69	2.06
		CO	3.63	2.76
		PM	0.34	0.26
		PM ₁₀	0.34	0.26
		PM _{2.5}	0.34	0.26
		SO ₂	0.04	0.03
PVCU-2	Initial Filling of Butane Bullet Tanks	VOC	7.82	0.10
		NO _x	2.22	0.03
		CO	4.43	0.06
LD/UNLD/-FUG	Loading and Unloading Fugitives	VOC	0.20	0.08

- (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
- (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.

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Date: July 24, 2019