

Emission Sources - Maximum Allowable Emission Rates

Permit Number 154296

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 (5)	
			lbs/hour	TPY (4)
301	Tank 301	VOC	1.42	-
751	Tank 751	VOC	2.21	-
752	Tank 752	VOC	2.21	-
801	Tank 801	VOC	2.07	-
901	Tank 901	VOC	2.06	-
902	Tank 902	VOC	2.06	-
903	Tank 903	VOC	2.06	-
1001	Tank 1001	VOC	1.97	-
1002	Tank 1002	VOC	1.97	-
1003	Tank 1003	VOC	1.97	-
1004	Tank 1004	VOC	1.97	-
1005	Tank 1005	VOC	1.97	-
1006	Tank 1006	VOC	1.97	-
1007	Tank 1007	VOC	1.97	-
1008	Tank 1008	VOC	1.97	-
1009	Tank 1009	VOC	1.97	-
1010	Tank 1010	VOC	1.97	-
1011	Tank 1011	VOC	1.97	-
1012	Tank 1012	VOC	2.28	-
1013	Tank 1013	VOC	2.28	-
1014	Tank 1014	VOC	2.28	-
1015	Tank 1015	VOC	2.32	-
1016	Tank 1016	VOC	2.32	-
1501	Tank 1501	VOC	1.69	-

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1502	Tank 1502	VOC	1.69	-
1503	Tank 1503	VOC	1.69	-
1504	Tank 1504	VOC	1.69	-
1505	Tank 1505	VOC	1.69	-
1506	Tank 1506	VOC	1.69	-
1507	Tank 1507	VOC	1.69	-
1508	Tank 1508	VOC	1.87	-
1509	Tank 1509	VOC	1.87	-
1510	Tank 1510	VOC	1.87	-
1511	Tank 1511	VOC	1.87	-
1512	Tank 1512	VOC	1.87	-
1513	Tank 1513	VOC	1.69	-
1514	Tank 1514	VOC	1.69	-
1516	Tank 1516	VOC	1.87	-
1517	Tank 1517	VOC	1.87	-
	Tank Cap (Tanks 301-1517)	VOC	-	20.0
TRK1	Tank TRK1	VOC	1.42	0.39
TRK2	Tank TRK2	VOC	1.42	0.39
TRK3	Tank TRK3	VOC	1.42	0.39
TRK4	Tank TRK4	VOC	20.73	0.64
TRK5	Tank TRK5	VOC	1.59	0.11
FUG-1	Tract 1 Piping Fugitives	VOC	0.74	3.26
FUG-2	Tract 2 Piping Fugitives	VOC	0.03	0.11
FUG-3	Tract 3 Piping Fugitives	VOC	0.03	0.11
C4FUG	Tract 1 C4 Piping Fugitives	VOC	0.12	0.54
BARGE-FUG	Barge Dock Piping Fugitives	VOC	0.05	0.22

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SHIP1-FUG	Ship Dock 1 Piping Fugitives	VOC	0.05	0.22
SHIP2-FUG	Ship Dock 2 Piping Fugitives	VOC	0.05	0.22
SHIP3-FUG	Ship Dock 3 Piping Fugitives	VOC	0.05	0.22
C4DOCK-FUG	C4 Dock Piping Fugitives	VOC	0.05	0.21
BARGE_LD1	Uncaptured Barge Loading Fugitives – Spot 1	VOC	8.73	-
BARGE_LD2	Uncaptured Barge Loading Fugitives – Spot 2	VOC	8.73	-
BARGE_LD3	Uncaptured Barge Loading Fugitives – Spot 3	VOC	8.73	-
BARGE_LD4	Uncaptured Barge Loading Fugitives – Spot 4	VOC	8.73	-
	Uncaptured Barge Loading Fugitives Cap	VOC	23.29	1.81
SHIP1	Uncaptured Ship Loading Fugitives – Dock 1	VOC	9.32	-
SHIP2	Uncaptured Ship Loading Fugitives – Dock 2	VOC	9.32	-
SHIP3	Uncaptured Ship Loading Fugitives – Dock 3	VOC	9.32	-
	Uncaptured Ship Loading Fugitives Cap	VOC	-	8.5

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MVCU1	Controlled Barge and Ship Dock 1 Loading	VOC	6.01	-
		NO _x	23.98	-
		CO	39.24	-
		PM	1.64	-
		PM ₁₀	1.64	-
		PM _{2.5}	1.64	-
		SO ₂	0.13	-
MVCU2	Controlled Ship Dock 2 Loading	VOC	2.40	-
		NO _x	23.98	-
		CO	39.24	-
		PM	1.64	-
		PM ₁₀	1.64	-
		PM _{2.5}	1.64	-
		SO ₂	0.13	-
MVCU3	Controlled Ship Dock 3 Loading	VOC	2.40	-
		NO _x	23.98	-
		CO	39.24	-
		PM	1.64	-
		PM ₁₀	1.64	-
		PM _{2.5}	1.64	-
		SO ₂	0.13	-

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	MVCU Cap	VOC	-	-
		NO _x	-	-
		CO	-	72.59
		PM	-	3.02
		PM ₁₀	-	3.02
		PM _{2.5}	-	3.02
		SO ₂	-	0.24
LVCU1	Controlled Truck Loading	VOC	1.08	-
		NO _x	1.76	-
		CO	2.88	1.30
		PM	0.12	0.05
		PM ₁₀	0.12	0.05
		PM _{2.5}	0.12	0.05
		SO ₂	0.01	<0.01
C4VCU1	C4 Marine Vessel Depressure	VOC	6.04	-
		NO _x	2.20	-
		CO	3.60	3.65
		PM	0.15	0.15
		PM ₁₀	0.15	0.15
		PM _{2.5}	0.15	0.15
		SO ₂	0.01	<0.01

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C4VCU2	C4 Railcar Depressure	VOC	3.87	-
		NO _x	1.43	-
		CO	2.34	1.81
		PM	0.10	0.08
		PM ₁₀	0.10	0.08
		PM _{2.5}	0.10	0.08
		SO ₂	0.01	<0.01
	Material Transfer VCU Emissions Cap (MVCU1, MVCU2, MVCU3, LVCU, C4VCU1, C4VCU2)	VOC	-	8.7
		NO _x	-	46.0
FWP1	Firewater Pump Engine 1	VOC	0.38	0.02
		NO _x	0.99	0.05
		CO	1.23	0.07
		PM	0.07	<0.01
		PM ₁₀	0.07	<0.01
		PM _{2.5}	0.07	<0.01
		SO ₂	<0.01	<0.01
FWP2	Firewater Pump Engine 2	VOC	0.38	0.02
		NO _x	0.99	0.05
		CO	1.23	0.06
		PM	0.07	<0.01
		PM ₁₀	0.07	<0.01
		PM _{2.5}	0.07	<0.01
		SO ₂	<0.01	<0.01

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TVCU1	Controlled Floating Roof Landing/Degassing	VOC	1.36	0.23
		NO _x	1.76	2.82
		CO	2.88	4.61
		PM	0.12	0.19
		PM ₁₀	0.12	0.19
		PM _{2.5}	0.12	0.19
		SO ₂	0.01	0.02
MSS-TKS	Atmospheric Venting Degassed Tanks	VOC	7.71	2.62
MSS-MISC	Miscellaneous MSS Activities	VOC	6.89	0.29
MSS-C4	C4 MSS Activities	VOC	3.05	0.02
		NO _x	1.10	0.02
		CO	1.80	0.04
		PM	0.08	<0.01
		PM ₁₀	0.08	<0.01
		PM _{2.5}	0.08	<0.01
		SO ₂	<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
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.

Date: November 26, 2019