

Emission Sources - Maximum Allowable Emission Rates

Permit Number 110945

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)
185-301	Tank 185-301	VOC	1.37	(7)
185-302	Tank 185-302	VOC	1.37	(7)
185-303	Tank 185-303	VOC	1.37	(7)
185-304	Tank 185-304	VOC	1.37	(7)
185-305	Tank 185-305	VOC	1.37	(7)
185-306	Tank 185-306	VOC	1.37	(7)
85-301	Tank 85-301	VOC	1.74	(7)
85-302	Tank 85-302	VOC	1.74	(7)
85-303	Tank 85-303	VOC	1.74	(7)
85-304	Tank 85-304	VOC	1.74	(7)
15-301	Tank 15-301	VOC	2.00	(7)
5-301	Tank 5-301	VOC	0.58	(7)
1-1	Tank 1-1	VOC	0.07	(7)
1-2	Tank 1-2	VOC	0.07	(7)
1-3	Tank 1-3	VOC	0.07	(7)
TKLAND	TKLAND	VOC	15.04	(7)
TankCap (7)	Tank Cap	VOC	----	13.80

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TKVCU-1 (6)	TKVCU-1	VOC	5.85	----
		NO _x	13.50	----
		CO	18.00	----
		SO ₂	0.05	----
		PM	0.67	----
		PM ₁₀	0.67	----
		PM _{2.5}	0.67	----
VCU-1 (6)	Marine loading VCU-1	VOC	3.53	----
		NO _x	13.50	----
		CO	18.00	----
		SO ₂	0.05	----
		PM	0.67	----
		PM ₁₀	0.67	----
		PM _{2.5}	0.67	----
VCU-2 (6)	Marine loading VCU-2	VOC	3.53	----
		NO _x	13.50	----
		CO	18.00	----
		SO ₂	0.05	----
		PM	0.67	----
		PM ₁₀	0.67	----
		PM _{2.5}	0.67	----

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VCU-3 (6)	Marine loading VCU-3	VOC	3.53	----
		NO _x	13.50	----
		CO	18.00	----
		SO ₂	0.05	----
		PM	0.67	----
		PM ₁₀	0.67	----
		PM _{2.5}	0.67	----
FUG (5)	Fugitives	VOC	0.40	1.77
LOADFUG (5)	Uncontrolled Marine Loading Cap	VOC	27.28	4.97
CON-1(6)	Marine Loading and Tank landing VCU Emissions Cap	VOC	16.44	2.61
		NO _x	54.00	6.75
		CO	72.00	16.12
		SO ₂	0.21	0.05
		PM	2.68	0.60
		PM ₁₀	2.68	0.60
		PM _{2.5}	2.68	0.60
MSS	MSS Emissions	VOC	95.08	2.01
		NO _x	19.47	0.27
		CO	26.92	0.36
		SO ₂	0.06	< 0.01
		PM	1.50	0.01
		PM ₁₀	1.50	0.01
		PM _{2.5}	1.50	0.01
FIRE1	Fire Water Pump No. 1	VOC	0.03	<0.01
		NO _x	14.56	0.36

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		CO	0.38	0.01
		SO ₂	2.75	0.07
		PM	0.05	<0.01
		PM ₁₀	0.05	<0.01
		PM _{2.5}	0.05	<0.01
FIRE2	Fire Water Pump No. 2	VOC	0.03	<0.01
		NO _x	14.56	0.36
		CO	0.38	0.01
		SO ₂	2.75	0.07
		PM	0.05	<0.01
		PM ₁₀	0.05	<0.01
		PM _{2.5}	0.05	<0.01
SUMP-1-2-3	Sump No. 1, 2 and 3	VOC	2.02	1.25
BENCAP (8)	Permit Benzene Emission Cap	Benzene	2.10	0.27

- (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.
- (6) Combined allowable emission rates for EPNs TKVCU-1, VCU-1, VCU-2, and VCU-3 shall not exceed the Marine Loading and Tank landing VCU Emission Caps (EPN CON-1).
- (7) Combined annual emission rates for these facilities shall not exceed the Tank Emission Cap (EPN TankCap).

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- (8) Combined allowable emission rates for all EPNs authorized by this permit shall not exceed the Benzene Emission Cap (EPN BENCAP).

Date: May 12, 2017