

Emission Sources - Maximum Allowable Emission Rates

Permit Number 141339

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)
HAPCAP	Hazardous Air Pollutants Cap	Individual HAP	-	< 10.00
		Total HAPs	-	< 25.00
T50A-1	Storage Tank T50A-1	VOC	6.36	(6)
T50A-2	Storage Tank T50A-2	VOC	6.36	(6)
T50A-3	Storage Tank T50A-3	VOC	6.36	(6)
T50A-4	Storage Tank T50A-4	VOC	6.36	(6)
T50A-5	Storage Tank T50A-5	VOC	6.36	(6)
T100-1	Storage Tank T100-1	VOC	4.73	(6)
T100-2	Storage Tank T100-2	VOC	4.73	(6)
T100-3	Storage Tank T100-3	VOC	4.73	(6)
T100-4	Storage Tank T100-4	VOC	4.73	(6)
T150A-1	Storage Tank T150A-1	VOC	3.89	(6)
T150A-2	Storage Tank T150A-2	VOC	3.89	(6)
T150A-3	Storage Tank T150A-3	VOC	3.89	(6)
TKCAP (6)	Storage Tank Emission Cap	VOC	-	14.97
TKLAND	Routine Controlled Tank Landings (VCU)	VOC	6.61	(7)
		NO _x	13.50	(7)
		CO	18.00	(7)
		PM	0.67	(7)
		PM ₁₀	0.67	(7)
		PM _{2.5}	0.67	(7)
		SO ₂	0.05	(7)

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TKLAND	Routine Tank Landings Fugitive Emissions (Routine Uncontrolled Tank Landings)	VOC	16.70	(7)
TKLAND (7)	Routine Tank Landing Cap	VOC	-	0.31
		NO _x	-	1.49
		CO	-	1.99
		PM	-	0.07
		PM ₁₀	-	0.07
		PM _{2.5}	-	0.07
		SO ₂	-	<0.01
LDFUG	Loading Fugitives	VOC	21.01	(8)
LDVCU	Loading VCU	VOC	8.22	(8)
		NO _x	14.25	(8)
		CO	19.00	(8)
		PM	0.71	(8)
		PM ₁₀	0.71	(8)
		PM _{2.5}	0.71	(8)
		SO ₂	0.06	(8)
LDCAP (8)	Annual Loading Cap	VOC	-	10.09
		NO _x	-	20.26
		CO	-	27.01
		PM	-	1.01
		PM ₁₀	-	1.01
		PM _{2.5}	-	1.01
		SO ₂	-	0.08
FUG	Fugitives (5)	VOC	2.28	9.97
TKMSS	Uncontrolled MSS Tank Landing Fugitive Emissions	VOC	49.69	(9)

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TKMSS	Controlled MSS Tank Landings (VCU)	VOC	8.66	(9)
		NO _x	13.50	(9)
		CO	18.00	(9)
		PM	0.67	(9)
		PM ₁₀	0.67	(9)
		PM _{2.5}	0.67	(9)
		SO ₂	0.05	(9)
TKMSS	MSS Tank Landing Fugitive Emissions	VOC	69.36	(9)
TKMSS (9)	MSS Tank Landing Cap	VOC	-	0.41
		NO _x	-	0.42
		CO	-	0.56
		PM	-	0.02
		PM ₁₀	-	0.02
		PM _{2.5}	-	0.02
		SO ₂	-	<0.01
LDMSS	Temporary Product Transfer	VOC	1.27	0.01
		NO _x	2.25	0.69
		CO	3.00	0.92
		PM	0.11	0.03
		PM ₁₀	0.11	0.03
		PM _{2.5}	0.11	0.03
		SO ₂	<0.01	<0.01
VPMSS	Controlled Vessel and Piping MSS (VCU)	VOC	0.58	(10)
		NO _x	1.50	(10)
		CO	2.00	(10)
		PM	0.07	(10)
		PM ₁₀	0.07	(10)
		PM _{2.5}	0.07	(10)
		SO ₂	<0.01	(10)

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VPMS	Uncontrolled Vessel and Piping MSS	VOC	0.81	(10)
VPMS (10)	Vessel and Piping MSS Cap	VOC	-	0.07
		NO _x	-	0.32
		CO	-	0.43
		PM	-	0.02
		PM ₁₀	-	0.02
		PM _{2.5}	-	0.02
		SO ₂	-	<0.01
PIGMSS	Pigging MSS Emissions	VOC	3.03	0.32

- (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
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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 annual emissions shall not exceed the limits specified in Storage Tank Emission Cap, EPN TKCAP.
- (7) Combined annual emissions shall not exceed the limits specified in Routine Tank Landing Cap, EPN TKLAND.
- (8) Combined annual emissions shall not exceed the limits specified in Annual Loading Cap, EPN LDCAP.
- (9) Combined annual emissions shall not exceed the limits specified in MSS Tank Landing Cap, EPN TKMSS.
- (10) Combined annual emissions shall not exceed the limits specified in Vessel and Piping MSS Cap, EPN VPMS.

Date: July 14, 2017