Emission Sources - Maximum Allowable Emission Rates

Permit Number 98999

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 (11)	Hazardous Air Pollutant Cap	HAPs		<25(total HAPS) <10 (individual HAP)
T50A-1	Storage Tank T50A-1	VOC	4.99	(6)
		H_2S	<0.01	(6)
T50A-2	Storage Tank T50-A2	VOC	4.99	(6)
		H_2S	<0.01	(6)
T50A-3	Storage Tank T50A-3	VOC	4.99	(6)
		H_2S	<0.01	(6)
T50A-4	Storage Tank T50A-4	VOC	4.99	(6)
		H_2S	<0.01	(6)
T50A-5	Storage Tank T50A-5	VOC	4.99	(6)
		H_2S	<0.01	(6)
T50C-1	Storage Tank T50C-1	VOC	4.99	(6)
		H_2S	<0.01	(6)
T50C-2	Storage Tank T50C-2	VOC	4.99	(6)
		H_2S	<0.01	(6)
T80-1	Storage Tank T80-1	VOC	4.45	(6)
		H_2S	<0.01	(6)
T80-2	Storage Tank T80-2	VOC	4.45	(6)
		H_2S	<0.01	(6)
T80-3	Storage Tank T80-3	VOC	4.45	(6)
		H_2S	<0.01	(6)
T80-4	Storage Tank T80-4	VOC	4.45	(6)
		H_2S	<0.01	(6)
T100-1	Storage Tank T100-1	VOC	4.06	(6)

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		H_2S	<0.01	(6)
T100-2	Storage Tank T100-2	VOC	4.06	(6)
		H_2S	<0.01	(6)
T100-3	Storage Tank T100-3	VOC	4.06	(6)
		H_2S	<0.01	(6)
T100-4	Storage Tank T100-4	VOC	4.06	(6)
		H_2S	<0.01	(6)
T150A-1	Storage Tank T150A-1	VOC	3.53	(6)
		H_2S	<0.01	(6)
T150A-2	Storage Tank T150A-2	VOC	3.53	(6)
		H_2S	<0.01	(6)
T150A-3	Storage Tank T150A-3	VOC	3.53	(6)
		H_2S	<0.01	(6)
T150C-1	Storage Tank T150C-1	VOC	3.53	(6)
		H_2S	<0.01	(6)
T150C-2	Storage Tank T150C-2	VOC	3.53	(6)
		H_2S	<0.01	(6)
T150C-3	Storage Tank T150C-3	VOC	3.53	(6)
		H_2S	<0.01	(6)
T150C-4	Storage Tank T150C-4	VOC	3.53	(6)
		H_2S	<0.01	(6)
T150C-5	Storage Tank T150C-5	VOC	3.53	(6)
		H_2S	<0.01	(6)
T400-1	Storage Tank T400-1	VOC	3.78	(6)
		H_2S	<0.01	(6)
T400-2	Storage Tank T400-2	VOC	3.78	(6)
		H_2S	<0.01	(6)
T400-3	Storage Tank T400-3	VOC	3.78	(6)
		H_2S	<0.01	(6)

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T-101	Storage Tank T-101	VOC	22.99	(6)
		H_2S	<0.01	(6)
T-102	Storage Tank T-102	VOC	22.99	(6)
		H_2S	<0.01	(6)
T-103	Storage Tank T-103	VOC	22.99	(6)
		H_2S	<0.01	(6)
T-104	Storage Tank T-104	VOC	22.99	(6)
		H_2S	<0.01	(6)
TKCAP (6)	Storage Tank Emissions Cap	VOC	-	44.48
		H_2S	-	0.01
TKLAND	Routine Controlled Tank Landings	VOC	8.24	(7)
		NO_x	15.00	(7)
		CO	20.00	(7)
		$PM/PM_{10}/PM_{2.5}$	0.75	(7)
		H_2S	0.01	(7)
		SO_2	8.30	(7)
TKLAND	Routine Tank Landings Fugitive Emissions	VOC	21.01	(7)
		H_2S	<0.01	(7)
TKLAND (7)	Routine Tank Landing Cap	VOC	-	1.04
		NO_x	-	4.99
		CO	-	6.65
		$PM/PM_{10}/PM_{2.5}$	-	0.25
		H_2S	-	<0.01
		SO_2	-	0.25
LDCAP	Loading VCU	VOC	8.92	(8)
		NO_x	15.75	(8)
		CO	21.00	(8)
		$PM/PM_{10}/PM_{2.5}$	0.78	(8)
		H_2S	0.05	(8)

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		SO_2	34.62	(8)
LDCAP	Loading Fugitive Emissions	VOC	25.00	(8)
		H_2S	<.01	(8)
LDCAP (8)	Loading Emissions Cap	VOC	-	9.34
		NO_x	-	16.60
		CO	-	22.14
		$PM/PM_{10}/PM_{2.5}$	-	0.82
		H_2S	-	<0.01
		SO_2	-	0.48
FUG	Fugitives	VOC	7.30	31.99
		H_2S	<0.01	0.04
TKMSS	Controlled MSS Tank Landing	VOC	9.70	(9)
		NO_x	15.00	(9)
		CO	20.00	(9)
		$PM/PM_{10}/PM_{2.5}$	0.75	(9)
		H_2S	0.02	(9)
		SO_2	14.65	(9)
TKMSS	MSS Tank Landing Fugitive Emissions	VOC	180.52	(9)
		H_2S	0.21	(9)
TKMSS (9)	MSS Tank Landing Cap	VOC	-	2.22
		NO_x	-	1.32
		CO	-	1.77
		$PM/PM_{10}/PM_{2.5}$	-	0.07
		H_2S	-	<0.01
		SO_2	-	0.04
LDMSS	Temporary Product Transfer	VOC	1.27	0.01
		NO_x	2.25	0.69
		CO	3.00	0.92
		$PM/PM_{10}/PM_{2.5}$	0.11	0.03

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		H_2S	1.08	0.01
		SO_2	3.06	0.03
VPMSS	Controlled Vessel & Piping MSS	VOC	.58	(10)
		NO_x	1.50	(10)
		CO	2.00	(10)
		$PM/PM_{10}/PM_{2.5}$	0.07	(10)
		H_2S	<0.01	(10)
		SO_2	3.00	(10)
VPMSS	Vessel & Piping MSS Fugitive Emissions	VOC	8.23	(10)
		H_2S	0.27	(10)
VPMSS (10)	Vessel & Piping MSS Cap	VOC	-	0.49
		NO_x	-	0.32
		CO	-	0.43
		$PM/PM_{10}/PM_{2.5}$	-	0.02
		H_2S	-	<0.01
		SO_2	-	1.02

(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
SO_2 - sulfur dioxide
H_2S - hydrogen sulfide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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 Storage Tank Emission Cap EPN: TKCAP.
(7) Combined annual emissions shall not exceed the Tank Landing Emission Cap EPN: TKLAND.
(8) Combined annual emissions shall not exceed the Loading Cap EPN: LDCAP.
(9) Combined annual emissions shall not exceed the MSS Tank Landing Emission Cap EPN: TKMSS.
(10) Combined annual emissions shall not exceed the Vessel and Piping Maintenance Cap EPN: VPMSS.
(11) Combined annual hazardous air pollutant (HAP) emission rates for all EPNs authorized by this permit shall not exceed the Hazardous Air Pollutant Emission Caps EPN: HAPCAP.

Emission Sources - Maximum Allowable Emission Rates

Date: January 10, 2022