

Emission Sources - Maximum Allowable Emission Rates

Permit Number 159423

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)
T-126-1	Tank T-126-1	VOC	10.13	-
		H ₂ S	<0.01	-
T-171-1	Tank T-171-1	VOC	8.70	-
		H ₂ S	<0.01	-
T-1712	Tank T-1712	VOC	8.70	-
		H ₂ S	<0.01	-
T-224-1	Tank T-224-1	VOC	7.39	-
		H ₂ S	<0.01	-
T-224-2	Tank T-224-2	VOC	7.39	-
		H ₂ S	<0.01	-
T-350-1	Tank T-350-1	VOC	6.26	-
		H ₂ S	<0.01	-
T-350-2	Tank T-350-2	VOC	6.26	-
		H ₂ S	<0.01	-
T-350-3	Tank T-350-3	VOC	6.26	-
		H ₂ S	<0.01	-
T-350-4	Tank T-350-4	VOC	6.26	-
		H ₂ S	<0.01	-
T-350-5	Tank T-350-5	VOC	6.26	-
		H ₂ S	<0.01	-
T-350-6	Tank T-350-6	VOC	6.26	-
		H ₂ S	<0.01	-

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
TKCAP	Storage Tank Emissions Cap	VOC	-	33.99
		H ₂ S	-	0.02
TKVCU-1	Tank VCU No. 1	VOC	2.00	-
		NO _x	3.00	-
		CO	4.00	-
		H ₂ S	0.03	-
		SO ₂	5.65	-
		PM	0.15	-
		PM ₁₀	0.15	-
		PM _{2.5}	0.15	-
TKVCU-2	Tank VCU No. 2	VOC	2.00	-
		NO _x	3.00	-
		CO	4.00	-
		H ₂ S	0.03	-
		SO ₂	5.65	-
		PM	0.15	-
		PM ₁₀	0.15	-
		PM _{2.5}	0.15	-
TCOMB	Temporary Portable Combustion Unit (VCU)	VOC	2.00	-
		NO _x	3.00	-
		CO	4.00	-
		H ₂ S	0.03	-
		SO ₂	5.65	-
		PM	0.15	-
		PM ₁₀	0.15	-
		PM _{2.5}	0.15	-

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
TVCUCAP	Tank VCU Cap	VOC	-	2.21
		NOx	-	29.55
		CO	-	39.40
		H ₂ S	-	0.01
		SO ₂	-	1.74
		PM	-	1.47
		PM ₁₀	-	1.47
		PM _{2.5}	-	1.47
RTLANDFUG	Uncontrolled Roof Landing Emissions	VOC	185.96	1.35
SHIP-1	Dock Ship Marine Loading Fugitives	VOC	42.28	-
		H ₂ S	0.02	-
SHIP-2	Dock Ship Marine Loading Fugitives	VOC	42.28	-
		H ₂ S	0.02	-
BARGE-1	Dock Barge Marine Loading Fugitives	VOC	35.23	-
DOCKFUG	Loading Emissions Cap	VOC	-	19.61
		H ₂ S	-	<0.01
MVCU-1	Controlled Loading Marine VCU No. 1	VOC	14.40	-
		NOx	21.60	-
		CO	21.60	-
		H ₂ S	0.22	-
		SO ₂	40.66	-
		PM	1.07	-
		PM ₁₀	1.07	-
		PM _{2.5}	1.07	-

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MVCU-2	Controlled Loading Marine VCU No. 2	VOC	14.40	-
		NOx	21.60	-
		CO	21.60	-
		H ₂ S	0.22	-
		SO ₂	40.66	-
		PM	1.07	-
		PM ₁₀	1.07	-
		PM _{2.5}	1.07	-
MVCU-3	Controlled Loading Marine VCU No. 3	VOC	14.40	-
		NOx	21.60	-
		CO	21.60	-
		H ₂ S	0.22	-
		SO ₂	40.66	-
		PM	1.07	-
		PM ₁₀	1.07	-
		PM _{2.5}	1.07	-
MVCU-4	Controlled Loading Marine VCU No. 4	VOC	14.40	-
		NOx	21.60	-
		CO	21.60	-
		H ₂ S	0.22	-
		SO ₂	40.66	-
		PM	1.07	-
		PM ₁₀	1.07	-
		PM _{2.5}	1.07	-

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MVCU-5	Controlled Loading Marine VCU No. 5	VOC	14.40	-
		NOx	21.60	-
		CO	21.60	-
		H ₂ S	0.22	-
		SO ₂	40.66	-
		PM	1.07	-
		PM ₁₀	1.07	-
		PM _{2.5}	1.07	-
MVCU-6	Controlled Loading Marine VCU No. 6	VOC	14.40	-
		NOx	21.60	-
		CO	21.60	-
		H ₂ S	0.22	-
		SO ₂	40.66	-
		PM	1.07	-
		PM ₁₀	1.07	-
		PM _{2.5}	1.07	-
MARVCU CAP	Controlled Loading VCU Cap	VOC	-	17.74
		NOx	-	37.91
		CO	-	37.91
		H ₂ S	-	0.12
		SO ₂	-	23.35
		PM	-	1.88
		PM ₁₀	-	1.88
		PM _{2.5}	-	1.88

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
FWP-1	Fire Water Pump 1	VOC	2.02	0.10
		NOx	2.02	0.10
		CO	2.04	0.10
		SO ₂	0.63	0.03
		PM	0.10	0.01
		PM ₁₀	0.10	0.01
		PM _{2.5}	0.10	0.01
FWP-2	Fire Water Pump 2	VOC	2.02	0.10
		NOx	2.02	0.10
		CO	2.04	0.10
		SO ₂	0.63	0.03
		PM	0.10	0.01
		PM ₁₀	0.10	0.01
		PM _{2.5}	0.10	0.01
MSS-CONT	Controlled MSS Emissions Cap	VOC	5.65	0.71
		NOx	8.54	13.67
		CO	11.38	18.23
		H ₂ S	0.06	<0.01
		SO ₂	12.44	1.27
		PM	0.42	0.68
		PM ₁₀	0.42	0.68
		PM _{2.5}	0.42	0.68
MSS-ATM	Uncontrolled MSS Emissions Cap	VOC	366.05	3.74
		H ₂ S	0.64	<0.01
FUG	Piping Fugitive Emissions (5)	VOC	2.50	10.93
		H ₂ S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

- (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
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
H ₂ S	- hydrogen sulfide
- (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: July 16, 2020