

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 155036

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)
Tank 100	Tank 100	VOC	6.57	1.45
		VOC (5)	0.77	1.38
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 101	Tank 101	VOC	37.98	4.37
		VOC (5)	2.79	2.89
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 102	Tank 102	VOC	2.79	5.47
		H <sub>2</sub> S	<0.01	<0.01
Tank 120	Tank 120	VOC	4.69	0.37
		VOC (5)	0.75	0.07
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 121	Tank 121	VOC	11.76	2.36
		VOC (5)	3.14	2.26
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 131	Tank 131	VOC	4.69	0.58
		VOC (5)	0.64	0.41
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 132	Tank 132	VOC	4.69	0.58
		VOC (5)	0.64	0.41
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 133	Tank 133	VOC	2.86	3.04
		H <sub>2</sub> S	<0.01	<0.01
Tank 140	Tank 140	VOC	11.76	2.36
		VOC (5)	3.14	2.26
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 150	Tank 150	VOC	4.69	0.45

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		VOC (5)	0.67	0.08
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 151	Tank 151	VOC	11.76	4.64
		VOC (5)	2.79	2.89
		H <sub>2</sub> S (5)	<0.01	<0.01
Tank 1001	Tank 1001	VOC	2.84	1.30
		H <sub>2</sub> S	<0.01	<0.01
Tank 1002	Tank 1002	VOC	2.84	1.30
		H <sub>2</sub> S	<0.01	<0.01
Tank 115752	Tank 115752	VOC	0.70	0.50
		H <sub>2</sub> S	<0.01	<0.01
TANKMSSCAP	Uncontrolled Tank MSS CAP	VOC	29.56	5.41
		H <sub>2</sub> S	<0.01	<0.01
MSSVDU	MSS Vapor Destruction Unit	VOC	0.76	0.44
		NO <sub>x</sub>	1.30	0.27
		CO	6.00	1.26
		SO <sub>2</sub>	1.30	0.27
		PM	0.17	0.03
		PM <sub>10</sub>	0.17	0.03
		PM <sub>2.5</sub>	0.17	0.03
TVDU	Truck Loading Vapor Destruction Unit	VOC	1.10	1.01
		NO <sub>x</sub>	0.88	0.96
		CO	4.06	4.40
		SO <sub>2</sub>	0.92	1.00
		PM	0.12	0.13
		PM <sub>10</sub>	0.12	0.13
		PM <sub>2.5</sub>	0.12	0.13
MVDU	Marine Loading Vapor Destruction Unit	VOC	1.45	0.98
		NO <sub>x</sub>	1.63	1.56
		CO	7.50	7.18
		SO <sub>2</sub>	1.68	1.60

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		PM	0.22	0.21
		PM <sub>10</sub>	0.22	0.21
		PM <sub>2.5</sub>	0.22	0.21
H-1	Heater 1	VOC	0.11	0.50
		NO <sub>x</sub>	1.56	6.82
		CO	0.87	3.82
		SO <sub>2</sub>	0.01	0.02
		PM	0.08	0.36
		PM <sub>10</sub>	0.08	0.36
		PM <sub>2.5</sub>	0.08	0.36
IPT-FUG	Terminal Fugitives (6)	VOC	0.69	3.04
		H <sub>2</sub> S	<0.01	<0.01
MAR-FUG	Dock Fugitives (6)	VOC	0.19	0.83
		H <sub>2</sub> S	<0.01	<0.01
TRUCKCAP	Uncontrolled Truck Loading CAP	VOC	15.40	8.09
		H <sub>2</sub> S	<0.01	<0.01
MARINELOAD	Uncontrolled Marine Loading	VOC	5.88	2.27
		H <sub>2</sub> S	<0.01	<0.01
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00
		Total HAPs	---	<25.00

- (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<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- H<sub>2</sub>S - hydrogen sulfide
- 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 limit applies upon retrofitting the tank with an internal floating roof as authorized under Special Condition 13.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: December 16, 2021

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