

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 106157

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)
TK-3901	Tank No. 3901	VOC	8.79	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
TK-3902	Tank No. 3902	VOC	8.79	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
TK-3903	Tank No. 3903	VOC	8.79	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
TK-3904	Tank No. 3904	VOC	8.79	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
TK-3905	Tank No. 3905	VOC	8.79	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
TK-3906	Tank No. 3906	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
3907	Tank 3907	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-

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3908	Tank 3908	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
3909	Tank 3909	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
3910	Tank 3910	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
3911	Tank 3911	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
3912	Tank 3912	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
3913	Tank 3913	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
3914	Tank3914	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
3915	Tank 3915	VOC	7.08	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
TK-3916	Tank No. 3916	VOC	8.79	-
		H <sub>2</sub> S	0.01	-

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		Mercaptan	<0.01	-
TK-3917	Tank No. 3917	VOC	8.79	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
TK-3918	Tank No. 3918	VOC	8.79	-
		H <sub>2</sub> S	0.01	-
		Mercaptan	<0.01	-
TANKCAP	TANKCAP (All Tanks)	VOC	-	54.56
		H <sub>2</sub> S	-	0.60
		Mercaptan	-	0.05
FUG	Process Fugitive Components (5)	VOC	0.83	3.76
		H <sub>2</sub> S	<0.01	<0.01
		Mercaptan	<0.01	<0.01
MSSCONT	Controlled MSS Emissions	VOC	1.98	0.10
		NO <sub>x</sub>	1.13	0.14
		CO	0.31	0.06
		H <sub>2</sub> S	4.41	0.20
		Mercaptan	0.18	0.02
		SO <sub>2</sub>	56.80	3.87
		PM	1.40	0.07
		PM <sub>10</sub>	1.40	0.07
		PM <sub>2.5</sub>	1.40	0.07
MSSATM	Uncontrolled MSS Emissions	VOC	38.72	1.90
		H <sub>2</sub> S	0.80	0.04
		Mercaptan	0.07	<0.01
VC-1	Vapor Combustor	VOC	2.00	1.74

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		NO <sub>x</sub>	6.66	11.94
		CO	9.81	17.05
		H <sub>2</sub> S	0.80	0.44
		Mercaptan	0.07	0.04
		SO <sub>2</sub>	79.42	44.03
		PM	0.37	0.65
		PM <sub>10</sub>	0.37	0.65
		PM <sub>2.5</sub>	0.37	0.65

- (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
- (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: May 31, 2019