

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 157206

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-501	500,000 BBL External Floating Roof Tank	VOC	6.77	--
		H <sub>2</sub> S	0.04	--
T-502	500,000 BBL External Floating Roof Tank	VOC	6.77	--
		H <sub>2</sub> S	0.04	--
T-503	500,000 BBL External Floating Roof Tank	VOC	6.77	--
		H <sub>2</sub> S	0.04	--
T-501, T-502, T-503	500,000 BBL External Floating Roof Tanks Cap	VOC	--	29.92
		H <sub>2</sub> S	--	0.16
T-504	500,000 BBL External Floating Roof Tank	VOC	6.77	9.40
		H <sub>2</sub> S	0.04	0.05
T-251	250,000 BBL External Floating Roof Tank	VOC	8.08	7.02
		H <sub>2</sub> S	0.04	0.04
FUG	Fugitives (5)	VOC	0.11	0.50
		H <sub>2</sub> S	<0.01	<0.01
SUMP-1	Sump-1	VOC	19.76	0.04
		H <sub>2</sub> S	0.11	<0.01
SUMP-2	Sump-2	VOC	19.76	0.04
		H <sub>2</sub> S	0.11	<0.01
T-101	Firewater Pump Diesel Tank	VOC	0.04	<0.01
MSS-CTRL	Controlled Tank MSS	VOC	7.84	0.79
		NO <sub>x</sub>	2.01	0.22
		CO	4.02	0.44
		SO <sub>2</sub>	7.76	0.78
		PM	0.26	0.03

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		PM <sub>10</sub>	0.26	0.03
		PM <sub>2.5</sub>	0.26	0.03
		H <sub>2</sub> S	0.04	<0.01
		HAPs	0.20	0.02
EMER-GEN	Emergency Generator	VOC	0.06	<0.01
		NO <sub>x</sub>	0.19	0.01
		CO	0.21	0.01
		SO <sub>2</sub>	<0.01	<0.01
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		HAPs	<0.01	<0.01
FIRE-ENG	Firewater Pump	VOC	0.37	0.02
		NO <sub>x</sub>	0.99	0.05
		CO	1.23	0.06
		SO <sub>2</sub>	<0.01	<0.01
		PM	0.07	<0.01
		PM <sub>10</sub>	0.07	<0.01
		PM <sub>2.5</sub>	0.07	<0.01
		HAPs	<0.01	<0.01
MSS-SR	Sludge Removal Frac Tank	VOC	0.16	0.01
		H <sub>2</sub> S	<0.01	<0.01
	Sludge Removal Vacuum Truck	VOC	0.14	0.02
		H <sub>2</sub> S	<0.01	<0.01
MSS-DRN	Equipment Draining	VOC	6.53	0.01
		H <sub>2</sub> S	0.03	<0.01
MSS-LB	Line Breaks	VOC	14.43	0.05
		H <sub>2</sub> S	0.08	<0.01
	Site-Wide HAP	Total HAPs		1.19

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- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
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|-------------------|---|
| 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   |
| 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 |
| 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: November 20, 2019