

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 166374

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)
TNK0501	Tank 501	VOC	-	5.17
		H <sub>2</sub> S	-	<0.01
TNK0502	Tank 502	VOC	-	6.41
		H <sub>2</sub> S	-	<0.01
TNK0503	Tank 503	VOC	-	3.73
		H <sub>2</sub> S	-	<0.01
TNK0504	Tank 504	VOC	-	4.47
		H <sub>2</sub> S	-	<0.01
TNK0505	Tank 505	VOC	-	5.31
		H <sub>2</sub> S	-	<0.01
TNK0506	Tank 506	VOC	-	6.09
		H <sub>2</sub> S	-	<0.01
EFRTNKCAP	EFR Tanks Emissions Cap	VOC	21.49	-
		H <sub>2</sub> S	<0.01	-
TNK05412	Surge Vessel/Tank	VOC	0.47	0.01
SUMP05430	Sump 5430	VOC	3.63	0.19
		H <sub>2</sub> S	<0.01	<0.01
SUMP05432	Sump 5432	VOC	3.63	0.19
		H <sub>2</sub> S	<0.01	<0.01
SUMP05434	Sump 5434	VOC	3.63	0.19
		H <sub>2</sub> S	<0.01	<0.01
SUMP05444	Sump 5444	VOC	3.63	0.67
		H <sub>2</sub> S	<0.01	<0.01

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LF-1	Crude Loading Spots 1, 2, and 3	VOC	11.37	11.71
		H <sub>2</sub> S	<0.01	<0.01
VCU	Vapor Combustor Unit (Pilot and Sweep)	VOC	2.16	9.47
		CO	1.31	5.73
		NO <sub>x</sub>	0.65	2.87
		PM	0.04	0.16
		PM <sub>10</sub>	0.04	0.16
		PM <sub>2.5</sub>	0.04	0.16
		SO <sub>2</sub>	<0.01	0.01
		H <sub>2</sub> S	<0.01	<0.01
VCU	Vapor Combustor Unit (Loading Spots 1, 2, and 3)	VOC	8.63	8.89
		CO	4.75	4.90
		NO <sub>x</sub>	2.38	2.46
		PM	0.13	0.13
		PM <sub>10</sub>	0.13	0.13
		PM <sub>2.5</sub>	0.13	0.13
		SO <sub>2</sub>	0.84	0.86
		H <sub>2</sub> S	<0.01	<0.01
FUG	Fugitive Emissions (5)	VOC	0.32	1.41
		H <sub>2</sub> S	<0.01	<0.01
	Site Wide HAPs	HAP (Individual)	-	< 10
		HAP (Total)	-	< 25

- (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  
CO - carbon monoxide  
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  
SO<sub>2</sub> - sulfur dioxide  
H<sub>2</sub>S - hydrogen sulfide

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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.

Date: October 13, 2022