

Emission Sources - Maximum Allowable Emission Rates

Permit Number 149313

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)
MLOAD	Marine Loading	VOC	15.62	0.88
TLOAD	Truck Loading	VOC	0.05	<0.01
		H ₂ S	<0.01	<0.01
CAPCAUS	Sulfidic Caustic cap for TK003 and TK004	VOC	<0.01	<0.01
		NaOH	<0.01	<0.01
		H ₂ S	<0.01	<0.01
CAPMEG	MEG Tank Cap	VOC	0.79	1.37
DSLTK1	Diesel Tank 1	VOC	0.09	<0.01
DSLTK2	Diesel Tank 2	VOC	0.09	<0.01
VCU	Marine Vapor Combustor	VOC	19.43	7.62
		NO _x	8.01	4.10
		CO	8.01	4.10
		SO ₂	0.25	0.09
		PM	<0.01	0.04
		PM ₁₀	<0.01	0.04
		PM _{2.5}	<0.01	0.04
		NaOH	0.02	<0.01
		H ₂ S	<0.01	<0.01
VDU	Tank Farm Vapor Combustor	VOC	1.04	0.12
		VOC (6)	5.38	
		NO _x	8.07	3.15
		NO _x (6)	9.64	
		CO	8.07	3.16
		CO (6)	9.64	

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		SO ₂	0.79	0.24
		SO ₂ (6)	0.79	
		PM	0.03	0.11
		PM ₁₀	0.03	0.11
		PM _{2.5}	0.03	0.11
EMERGEN1	Emergency Generator Engine	VOC	1.41	0.07
		NOx	5.65	0.28
		CO	3.86	0.19
		SO ₂	0.01	<0.01
		PM	0.22	0.01
		PM ₁₀	0.22	0.01
		PM _{2.5}	0.22	0.01
EMERGEN2	Firewater Pump Engine	VOC	1.58	0.08
		NOx	6.32	0.32
		CO	4.32	0.22
		SO ₂	0.01	<0.01
		PM	0.25	0.01
		PM ₁₀	0.25	0.01
		PM _{2.5}	0.25	0.01
FUG	Fugitives (5)	VOC	1.25	5.49
		NaOH	0.02	0.09
		H ₂ S	0.01	0.07
MSS	Maintenance, Startup, and Shutdown (6)	VOC	2.00	0.19
		NaOH	<0.01	<0.01
		H ₂ S	<0.01	<0.01
TANKMSS	Tank Maintenance, Startup, and Shutdown	VOC	17.61	1.37
		NaOH	0.01	<0.01
		H ₂ S	0.07	<0.01

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

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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 |
| HRVOC | - highly reactive volatile organic compounds as defined in 30 TAC § 115.10 |
| IOC-U | - inorganic compounds (unspeciated) |
| 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 |
| 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 |
| NaOH | - sodium hydroxide |
| 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.
- (6) Maintenance, Startup and Shutdown emissions include Inherently Low Emitting Activities which are assumed to be VOC emissions of 1 lb /hr and 0.07 tpy when evaluating compliance with the emission limitation

Date: November 15, 2019