

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	0.65	0.26
TLOAD	Truck Loading	VOC	0.27	<0.01
		H ₂ S	<0.01	<0.01
TK-130-01	Slop Oil Tank 130-01	VOC	0.44	0.76
TK-120-01	Pygas Tank 120-01	VOC	1.10	-
TK-120-02	Pygas Tank 120-02	VOC	1.10	-
CAPPYGAS	Pygas Tanks Emission Cap	VOC	-	3.66
TK-110-01	Spent Caustic Tank 110-01	VOC	<0.01	-
		H ₂ S	<0.01	-
TK-110-02	Spent Caustic Tank 110-02	VOC	<0.01	-
		H ₂ S	<0.01	-
CAPCAUS	Spent Caustic Tanks Emission Cap	VOC	-	<0.01
		H ₂ S	-	<0.01
TK-100-01	MEG Tank 100-01	VOC	0.64	-
TK-100-02	MEG Tank 100-02	VOC	0.64	-
TK-100-03	MEG Tank 100-03	VOC	0.64	-
CAPMEG	MEG Tanks Emission Cap	VOC	-	0.89
DSLTK1	Diesel Tank 1	VOC	0.17	<0.01
DSLTK2	Diesel Tank 2	VOC	0.17	<0.01
DSLTK3	Diesel Tank 3	VOC	0.17	<0.01
VCU	Marine Loading Vapor Combustor	VOC	22.03	6.31
		NO _x	47.60	3.60
		CO	47.60	3.60
		SO ₂	3.33	0.09

Emission Sources - Maximum Allowable Emission Rates

		PM	1.77	0.04
		PM ₁₀	1.77	0.04
		PM _{2.5}	1.77	0.04
		H ₂ S	<0.01	<0.01
VDU	Truck Loading Vapor Combustor	VOC	0.31	<0.01
		NOx	14.00	1.56
		CO	14.00	1.56
		SO ₂	0.98	0.11
		PM	0.52	0.06
		PM ₁₀	0.52	0.06
		PM _{2.5}	0.52	0.06
		H ₂ S	<0.01	<0.01
EMERGEN1	Emergency Generator Engine	VOC	0.90	0.05
		NOx	1.80	0.09
		CO	3.60	0.18
		SO ₂	<0.01	<0.01
		PM	0.02	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	0.02	<0.01
EMERGEN2A	Firewater Pump Engine 1	VOC	0.67	0.03
		NOx	2.70	0.13
		CO	2.92	0.15
		SO ₂	1.05	0.05
		PM	0.17	0.01
		PM ₁₀	0.17	0.01
		PM _{2.5}	0.17	0.01
EMERGEN2B	Firewater Pump Engine 2	VOC	0.67	0.03
		NOx	2.70	0.13
		CO	2.92	0.15

Emission Sources - Maximum Allowable Emission Rates

		SO ₂	1.05	0.05
		PM	0.17	0.01
		PM ₁₀	0.17	0.01
		PM _{2.5}	0.17	0.01
EMERGEN2C	Firewater Pump Engine 3	VOC	0.67	0.03
		NOx	2.70	0.13
		CO	2.92	0.15
		SO ₂	1.05	0.05
		PM	0.17	0.01
		PM ₁₀	0.17	0.01
		PM _{2.5}	0.17	0.01
FUG	Fugitives (5)	VOC	1.38	6.04
		H ₂ S	<0.01	<0.07
MSSATM	Uncontrolled MSS	VOC	1.82	0.23
MSSCONT	Controlled MSS	VOC	104.69	1.51
		NOx	47.60	6.71
		CO	47.60	8.76
		SO ₂	0.17	1.24
		PM	1.77	0.33
		PM ₁₀	1.77	0.33
		PM _{2.5}	1.77	0.33
		H ₂ S	<0.01	0.01

- (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_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - 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
H₂S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Emission Sources - Maximum Allowable Emission Rates

- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: December 10, 2021