

Emission Sources - Maximum Allowable Emission Rates

Permit Number 158399

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.¹

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
T-2186	Tank 2186	VOC	0.18	0.62
T-82	Tank 82	VOC	0.62	0.15
T-283	Tank 283	VOC	6.62	3.05
T-284	Tank 284	VOC	6.62	3.05
T-285	Tank 285	VOC	6.62	3.05
T-106	Tank 106	VOC	8.99	2.70
T-107	Tank 107	VOC	9.01	2.73
T-100	Tank 100	VOC	42.70	2.98
T-103	Tank 103	VOC	31.80	2.98
T-110	Tank 110	VOC	7.26	2.48
T-926	Tank 926	VOC	2.98	6.89
T-1848	Tank 1848	VOC	1.26	0.30
T-2164	Tank 2164	VOC	34.28	10.97
T-2163	Tank 2163	VOC	34.28	10.97
T-2105	Tank 2105	VOC	36.04	7.55
T-99	Tank 99	VOC	26.97	2.98
T-111	Tank 111	VOC	7.26	2.48
T-2162	Tank 2162	VOC	2.06	1.11
T-896	Tank 896	VOC	2.75	7.26

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T-1849	Tank 1849	VOC	1.68	2.30
2900	Tank 2900	VOC	0.33	1.44
T-2133	Tank 2133	VOC	4.53	11.15
CAP-REFFUG	Refinery Fugitives VOC Subcap (4)	VOC	5.61	24.55
		H ₂ S	0.11	0.49
CAP-Tanks	Refinery Tank Subcap (6)	VOC	214.76	149.30
E-06-843	Two Tank Heaters for Charge Tanks	NO _x	1.18	5.15
		VOC	0.06	0.28
		SO ₂	0.31	0.51
		CO	1.02	4.47
		PM	0.09	0.39
CAP-MSSNT	Non-Tank-Related Plant-Wide Planned Maintenance, Startup, and Shutdown Emissions (5)	VOC	45.60	3.10
		NO _x	0.46	<0.01
		CO	3.32	<0.01
		PM	9.98	4.02
		PM ₁₀	2.90	0.97
		PM _{2.5}	2.90	0.97
		Exempt Solvents	0.36	0.80
CAP-MSSTK	Tank Related Plant- Wide Planned Maintenance, Startup, and Shutdown Emissions (5)	VOC	2,539.24	18.97
		NO _x	1.17	0.32
		CO	1.31	0.36
		SO ₂	0.01	<0.01
		PM	0.12	0.03
		PM ₁₀	0.12	0.03
		PM _{2.5}	0.12	0.03

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- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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
H ₂ S	- hydrogen sulfide
- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (5) The plant-wide MSS emissions subcaps do not include any COKER 844 Project MSS emissions.
- (6) All tanks listed on this MAERT are included in EPN CAP-Tanks with the exception of T-2186 and 2900. Tanks included in EPN CAP-Tanks not list on this MAERT are Tanks 5, 77, 82, 133, 151, 889, 925, 1850, 2106, 2110, 2111, 2112, 2113, 2117, 2132, 2133, 2137, 3145, 2148, 2159, 2160, 2161, 2182, 2183, and 2106.

Date: December 13, 2019