

Emission Sources - Maximum Allowable Emission Rates

Permit Number 83843

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)
MSS-AAFLARE	AA Flare MSS	VOC	13.15	2.03
		MeAc	1.48	0.03
		NO _x	7.82	0.78
		CO	101.72	24.26
		SO ₂	3.69	0.10
MSS-VAFLARE	VAM Flare MSS	VOC	118.05	3.84
		NO _x	32.18	1.45
		CO	165.79	7.48
		SO ₂	9.88	0.57
MSS-VAC	Process Area Vacuum Trucks	VOC	10.15	0.05
MSS-VAC-D	Dock Area Vacuum Trucks	VOC	10.15	0.05
MSS-FRAC	Frac Tank/Trailer	VOC	28.22	0.3
MSS-CAT	Catalyst Changes	PM	0.86	<0.01
		PM ₁₀	0.5	<0.01
		PM _{2.5}	0.08	<0.01
MSS-IFRT	IFR Tanks	VOC	109.60	1.30
		MeAc	71.25	0.55
		NO _x	6.83	0.15
		CO	12.65	0.30
		PM	0.37	0.03
		PM ₁₀	0.28	0.02
		PM _{2.5}	0.09	0.02
MSS-V5521	IFR Tank V5521	VOC	109.6	0.74

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		NO _x	4.37	0.02
		CO	7.75	0.06
		PM	0.24	<0.01
		PM ₁₀	0.19	<0.01
		PM _{2.5}	0.09	<0.01
MSS-ILEA	Inherently Low Emitting Activities	VOC	0.01	0.01
		PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
MSS-FRT	Fixed Roof Tanks	VOC	56.1	0.16
MSS-VC-N	North Process Equipment & Vessel Clearing	VOC	0.24	<0.01
MSS-VC-D	Dock Area Equipment & Vessel Clearing	VOC	0.03	<0.01
MSS-VC-P	Process Area Equipment & Vessel Clearing	VOC	34.59	0.06
		MeAc	0.87	<0.01
MSS-RM-D	Dock Area Routine Maintenance	VOC	0.39	<0.01
MSS-RM	Process Area Routine Maintenance	VOC	13.91	0.05
		MeAc	0.35	<0.01
MSS-V5381	Ammonia Tank	NH ₃	<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) 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
 - 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
 - SO₂ - sulfur dioxide
 - NH₃ - ammonia
 - MeAc - methyl acetate
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

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Date: August 31, 2021