

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 | - |
| MSS-VC-P | Process Area Equipment & Vessel Clearing | VOC | 34.61 | 0.06 |
| MSS-RM-D | Dock Area Routine Maintenance | VOC | 0.39 | <0.01 |
| MSS-RM | Process Area Routine Maintenance | VOC | 14.31 | 0.06 |
| 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.

Date: August 17, 2021