

Emission Sources - Maximum Allowable Emission Rates

Permit Number 27131

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) |
| LU-1 | Flare (5) | VOC | 4.16 | 0.52 |
| | | NO _x | 1.76 | 1.36 |
| | | SO ₂ | 0.01 | 0.01 |
| | | CO | 3.95 | 11.60 |
| | | NH ₃ | 1.88 | 0.01 |
| LU-2 | Fugitives (6) | VOC | 2.71 | 11.86 |
| | | NH ₃ | 0.01 | 0.01 |
| LU-3 | t-BHP Tank | VOC | 0.08 | 0.003 |
| LU-VS | Batch Vents | VOC | 8.71 | 4.99 |
| | | NH ₃ | 21.19 | 10.73 |
| Maintenance, Startup, and Shutdown (MSS) | | | | |
| LSMISC MSS | Fugitive Component and Piping MSS | VOC | 5.50 | 0.13 |
| | | NH ₃ | 0.07 | 0.01 |
| LU3_MSSTK | Tank MSS | VOC | 0.40 | 0.001 |
| LU_MSSPH | Pump and Heat Exchanger MSS | VOC | 2.60 | 0.04 |
| LU_DEGAS | Equipment Degassing | VOC | 1.93 | 0.07 |
| | | NH ₃ | 0.16 | 0.01 |
| LUMSS_Pnt | Lone Star Surface Coating | VOC | 13.16 | 0.23 |
| | | PM | 1.74 | 0.04 |
| | | PM ₁₀ | 1.74 | 0.04 |
| | | PM _{2.5} | 1.74 | 0.04 |
| | | Exempt Solvent | 0.36 | 0.001 |
| LUMSS_Dgrs | Lone Star Degreaser | VOC | 0.07 | 0.01 |
| LUMSS_VacT | Vacuum Trucks | VOC | 0.24 | 0.002 |

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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
 - 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
 - NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Includes MSS emissions
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: July 17, 2020