

Emission Sources - Maximum Allowable Emission Rates

Permit Number 28602

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) |
| TANK0001 | Tank 4001 (6) | VOC | 7.19 | — |
| | | H ₂ S | 0.16 | — |
| | | Mercaptan | 0.01 | — |
| TANK0002 | Tank 4002 (6) | VOC | 6.54 | — |
| | | H ₂ S | 0.14 | — |
| | | Mercaptan | 0.01 | — |
| TANK0003 | Tank 4003 (6) | VOC | 7.19 | — |
| | | H ₂ S | 0.16 | — |
| | | Mercaptan | 0.01 | — |
| TANK0004 | Tank 4004 (6) | VOC | 7.61 | — |
| | | H ₂ S | 0.17 | — |
| | | Mercaptan | 0.01 | — |
| TANK0005 | Tank 4009 (6) | VOC | 6.65 | — |
| | | H ₂ S | 0.14 | — |
| | | Mercaptan | 0.01 | — |
| TANK0006 | Tank 6010 (6) | VOC | 5.50 | — |
| | | H ₂ S | 0.12 | — |
| | | Mercaptan | 0.01 | — |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|----------------------|--|-------------------|--------|-------|
| TANK0007 | Tank 6011 (6) | VOC | 7.02 | — |
| | | H ₂ S | 0.16 | — |
| | | Mercaptan | 0.01 | — |
| TANKCAP | Annual Tanks Cap | VOC | — | 48.05 |
| | | H ₂ S | — | 1.05 |
| | | Mercaptan | — | 0.09 |
| FUG-01 | Process Fugitive Components (5) | VOC | 0.55 | 2.42 |
| | | H ₂ S | <0.01 | <0.01 |
| | | Mercaptan | <0.01 | <0.01 |
| FUG-03 | Tank 6011 Fugitive Components (5) | VOC | <0.01 | 0.03 |
| | | H ₂ S | <0.01 | <0.01 |
| | | Mercaptan | <0.01 | <0.01 |
| VCU-1, VCU-2, & PVCU | Vapor Combustors Controlled Roof Landing Emissions (including standing idle/degassing and refills) | VOC | 15.85 | 3.03 |
| | | NO _x | 13.74 | 1.77 |
| | | CO | 21.68 | 2.37 |
| | | H ₂ S | 2.99 | 0.33 |
| | | Mercaptan | 0.26 | 0.06 |
| | | SO ₂ | 304.51 | 33.52 |
| | | PM | 1.30 | 0.24 |
| | | PM ₁₀ | 1.30 | 0.24 |
| | | PM _{2.5} | 1.30 | 0.24 |
| ATM-MSS | Tank-related MSS (includes standing idle and tank venting) plus uncontrolled non-tank MSS | VOC | 216.72 | 1.91 |
| | | H ₂ S | 1.44 | 0.02 |
| | | Mercaptan | <0.01 | <0.01 |
| CONT-MSS | Liquid Scrubber or Carbon Absorption | VOC | 0.12 | 0.17 |

Emission Sources - Maximum Allowable Emission Rates

| | | | | |
|--------|--------|------------------|-------|-------|
| | | H ₂ S | <0.01 | <0.01 |
| | | Mercaptan | <0.01 | <0.01 |
| SUMP-1 | SUMP-1 | VOC | 4.24 | 0.41 |
| | | H ₂ S | 0.02 | <0.01 |
| | | Mercaptan | <0.01 | <0.01 |
| SUMP-2 | SUMP-2 | VOC | 4.24 | 0.41 |
| | | H ₂ S | 0.02 | <0.01 |
| | | Mercaptan | <0.01 | <0.01 |
| SUMP-3 | SUMP-3 | VOC | 6.17 | 0.14 |
| | | H ₂ S | 0.03 | <0.01 |
| | | Mercaptan | 0.01 | <0.01 |
| SUMP-4 | SUMP-4 | VOC | 6.17 | 0.14 |
| | | H ₂ S | 0.03 | <0.01 |
| | | Mercaptan | 0.01 | <0.01 |
| SUMP-5 | SUMP-5 | VOC | 6.17 | 0.43 |
| | | H ₂ S | 0.03 | <0.01 |
| | | Mercaptan | 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
 - H₂S - hydrogen sulfide
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - H₂S - hydrogen sulfide
 - 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
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Annual emissions included in annual 'All Tanks' caps.

Date: December 12, 2018