

Emission Sources - Maximum Allowable Emission Rates

Permit Number 4449

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) |
| 251DTL | Large Tank Truck Loading Losses | VOC | 15.00 | - |
| 251DTL2 | Small Tank Truck Loading Losses | VOC | 11.07 | - |
| 251DTC | Railcar Loading Losses | VOC | 10.27 | - |
| Combined Annual Loading Loss Emissions | | VOC | - | 6.53 |
| 251F | Shipping Equipment Fugitives (5) | VOC | 1.59 | 6.82 |
| 251DM1205 | Shipping Unit Flare | VOC | 177.03 | 52.88 |
| | | NO _x | 9.76 | 7.77 |
| | | SO ₂ | 0.72 | 1.25 |
| | | CO | 83.72 | 66.59 |
| 251DM2224 | Barge Loading Thermal Oxidizer | VOC | 1.33 | 0.37 |
| | | NO _x | 3.79 | 1.35 |
| | | SO ₂ | 0.72 | 0.28 |
| | | CO | 5.05 | 1.79 |
| | | PM | 0.36 | 0.14 |
| | | PM ₁₀ | 0.36 | 0.14 |
| | | PM _{2.5} | 0.36 | 0.14 |
| 251M2564 | Scrubber (6) | VOC | 2.34 | 0.85 |
| 251V1306 | Storage Tank V-1306 | VOC | 0.26 | 0.07 |

(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

SO₂ - sulfur dioxide

CO - carbon monoxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}

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PM₁₀ - particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}

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) Emissions resulting from controlled depressurization of the railcars that are used for acetic acid service.

Date: June 28, 2023