

Emission Sources - Maximum Allowable Emission Rates

Permit Number 3386

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) |
| RT001 | Storage Tank, RT001 Petroleum Oil (10-825) | VOC | 0.01 | 0.01 |
| RT002 | Storage Tank, RT002 Heavy Paraffin Distillate (10- 480) | VOC | 0.01 | 0.01 |
| RT003 | Storage Tank, RT003 Triethanolamine (08- 120) | VOC | 0.67 | 0.05 |
| RT004 | Storage Tank, RT004 Naphtha Distillate (10-580) | VOC | 0.01 | 0.01 |
| RT005 | Storage Tank, RT005 Heavy Naphtha Distillate (10-460) | VOC | 0.01 | 0.01 |
| RT006 | Storage Tank, RT006 Hexylene Glycol (10-175) | VOC | 0.02 | 0.01 |
| RT007 | Storage Tank, RT007 Petroleum Distillate (10-475) | VOC | 0.30 | 0.02 |
| RT008 | Storage Tank, RT008 Naphtha Distillate (10-505) | VOC | 2.07 | 0.09 |
| RT009 | Storage Tank, RT009 Naphtha Distillate (10-250) | VOC | 0.01 | 0.01 |
| RT010 | Storage Tank, RT010 Heavy Paraffin Distillate (10- 480) | VOC | 0.01 | 0.01 |

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|-------|--|---------------------------------|------|------|
| RT011 | Storage Tank, RT011 Mastigum (13-640) | VOC | 0.01 | 0.01 |
| RT012 | Storage Tank, RT012 Heavy Naphtha Distillate (10-645) | VOC | 0.08 | 0.01 |
| RT013 | Storage Tank, RT013 Petroleum Distillate (10-140) | VOC | 0.69 | 0.03 |
| RT014 | Storage Tank, RT014 Potassium Hydroxide (06-105) | KOH | 4.03 | 0.08 |
| RT015 | Storage Tank, RT015 Ethyl Hexyl Nitrate (16-115) | VOC | 0.07 | 0.01 |
| RT016 | Storage Tank, RT016 Ethyl Hexyl Nitrate (16-115) | VOC | 0.07 | 0.01 |
| RT018 | Storage Tank, RT018 Light Naphtha Distillate (10-210) | VOC | 0.01 | 0.01 |
| RT019 | Storage Tank, RT019 Petroleum Distillate (10-140) | VOC | 0.71 | 0.03 |
| RT020 | Storage Tank, RT020 Perchloroethylene (10-370) | C ₂ Cl ₄ | 3.71 | 0.12 |
| RT021 | Storage Tank, RT021 Hydrogen Chloride (01-120) | HCl | 1.94 | 0.04 |
| RT022 | Storage Tank, RT022 Phosphoric Acid (01-135) | H ₃ PO ₄ | 0.01 | 0.01 |
| RT023 | Pressure Tank, RT023 Methylene Chloride (01-220) | CH ₂ Cl ₂ | 0.01 | 0.01 |
| FUG | Fugitives (5)(6) | VOC | 0.67 | 2.94 |
| | | KOH | 0.08 | 0.36 |
| | | HCl | 0.01 | 0.02 |

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| | | | | |
|------|---------------------------|--------------------------------|-------|-------|
| | | H3PO4 | 0.01 | 0.02 |
| PROD | Production Operations (6) | VOC | 11.24 | 20.00 |
| | | KOH | 0.22 | 0.01 |
| | | NaOH | 0.69 | 0.01 |
| | | HCl | 0.03 | 0.01 |
| | | H ₃ PO ₄ | 0.01 | 0.01 |
| | | PM | 0.01 | 0.01 |
| | | PM ₁₀ | 0.01 | 0.01 |
| | | PM _{2.5} | 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
- C₂Cl₄ - perchloroethylene
- CH₂Cl₂ - methylene chloride
- KOH - potassium hydroxide
- NaOH - sodium hydroxide
- HCl - hydrogen chloride
- H₃PO₄ - phosphoric acid
- 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) VOC emission rate includes exempt solvents.

Date: May 30, 2014