

## 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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

| Emission<br>Point No. (1) | Source<br>Name (2)   | Air Contaminant<br>Name (3) | Emission Rates * |      |
|---------------------------|--|-----------------------------|------------------|------|
|                           |  |                             | lb/hr            | TPY  |
| RT001                     | Storage Tank, RT001<br>Petroleum Oil (10-825)                | VOC                         | 0.01             | 0.01 |
| RT002                     | Storage Tank, RT002<br>Heavy Paraffin<br>Distillate (10-480) | VOC                         | 0.01             | 0.01 |
| RT003                     | Storage Tank, RT003<br>Triethanolamine (08-120)              | VOC                         | 0.67             | 0.05 |
| RT004                     | Storage Tank, RT004<br>Naphtha Distillate<br>(10-580)        | VOC                         | 0.01             | 0.01 |
| RT005                     | Storage Tank, RT005<br>Heavy Naphtha<br>Distillate (10-460)  | VOC                         | 0.01             | 0.01 |
| RT006                     | Storage Tank, RT006<br>Hexylene Glycol<br>(10-175)           | VOC                         | 0.02             | 0.01 |
| RT007                     | Storage Tank, RT007<br>Petroleum Distillate<br>(10-475)      | VOC                         | 0.30             | 0.02 |
| RT008                     | Storage Tank, RT008<br>Naphtha Distillate<br>(10-505)        | VOC                         | 2.07             | 0.09 |
| RT009                     | Storage Tank, RT009<br>Naphtha Distillate<br>(10-250)        | VOC                         | 0.01             | 0.01 |

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|---------------------------|--|-----------------------------|------------------|------|
|                           |  |                             | lb/hr            | TPY  |
| RT010                     | Storage Tank, RT010<br>Heavy Paraffin<br>Distillate (10-480) | VOC                         | 0.01             | 0.01 |
| RT011                     | Storage Tank, RT011<br>Mastigum (13-640)                     | VOC                         | 0.01             | 0.01 |
| RT012                     | Storage Tank, RT012<br>Heavy Naphtha<br>Distillate (10-645)  | VOC                         | 0.08             | 0.01 |
| RT013                     | Storage Tank, RT013<br>Petroleum Distillate<br>(10-140)      | VOC                         | 0.69             | 0.03 |
| RT014                     | Storage Tank, RT014<br>Potassium Hydroxide<br>(06-105)       | KOH                         | 4.03             | 0.08 |
| RT015                     | Storage Tank, RT015<br>Ethyl Hexyl Nitrate<br>(16-115)       | VOC                         | 0.07             | 0.01 |
| RT016                     | Storage Tank, RT016<br>Ethyl Hexyl Nitrate<br>(16-115)       | VOC                         | 0.07             | 0.01 |
| RT018                     | Storage Tank, RT018<br>Light Naphtha<br>Distillate (10-210)  | VOC                         | 0.01             | 0.01 |
| RT019                     | Storage Tank, RT019<br>Petroleum Distillate<br>(10-140)      | VOC                         | 0.71             | 0.03 |
| RT020                     | Storage Tank, RT020<br>Perchloroetheylene<br>(10-370)        | VOC                         | 3.71             | 0.12 |

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|---------------------------|--|--------------------------------|-------------------------|----------|
|                           |  |                                | lb/hr                   | TPY      |
| RT021                     | Storage Tank, RT021<br>Hydrogen Chloride<br>(01-120)   | HCl                            | 1.94                    | 0.04     |
| RT022                     | Storage Tank, RT022<br>Phosphoric Acid<br>(01-135)     | H <sub>3</sub> PO <sub>4</sub> | 0.01                    | 0.01     |
| RT023                     | Pressure Tank, RT023<br>Methylene Chloride<br>(01-220) | VOC                            | 0.01                    | 0.01     |
| FUG                       | Fugitives (4)  | VOC                            | 0.67                    | 2.94     |
|                           |  | KOH                            | 0.08                    | 0.36     |
|                           |  | HCl                            | 0.01                    | 0.02     |
|                           |  | H <sub>3</sub> PO <sub>4</sub> | 0.01                    | 0.02     |
| PROD                      | Production Operations                                  | VOC                            | 11.24                   | 20.00(5) |
|                           |  | KOH                            | 0.22                    | 0.01     |
|                           |  | NaOH                           | 0.69                    | 0.01     |
|                           |  | HCl                            | 0.03                    | 0.01     |
|                           |  | H <sub>3</sub> PO <sub>4</sub> | 0.01                    | 0.01     |
|                           |  | PM                             | 0.01                    | 0.01     |

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. Each compound approved for storage is followed by the company's product code in parentheses. 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  
 KOH - potassium hydroxide  
 NaOH - sodium hydroxide  
 HCl - hydrogen chloride  
 H<sub>3</sub>PO<sub>4</sub> - phosphoric acid  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

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- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission rate includes exempt solvents.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day\_\_\_Days/week\_\_\_Weeks/year\_\_\_ or Hrs/year 8,760

Dated April 3, 2004