

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21149

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

| <u>Emission Rates *</u> | Source | Air Contaminant | <u>Emission</u> | |
|-----------------------------|-----------------|--------------------------|-----------------|-------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | |
| <u>TPY</u> | | | | |
| TANK-ISOP | Tank 400-225 | Isopar C | 0.01 | 0.05 |
| TANK-WMO | Tank 400-219 | White Mineral Oil | 0.71 | 0.02 |
| TANK- EHCF | Tank 400-215 | Chloroformate | <0.01 | <0.01 |
| TANK-NDCL | Tank 400-218 | Acid Chloride | <0.01 | <0.01 |
| TANK-AHYD | Tank 400-223 | Acetic Anhydride | <0.01 | 0.01 |
| TANK-BZCL | Tank 403-202 | Acid Chloride | To Oxidizer (5) | |
| TANK-TBA | Tank-406-601 | Alcohol | To Oxidizer (5) | |
| TANK-CHP | Tank 400-222 | Organic Hydroperoxide | <0.01 | <0.01 |
| TANK-OMS | Tank 400-224 | Odorless Mineral Spirits | 1.41 | 0.10 |
| TANK-EHCL | Tank 400-220 | Acid Chloride | <0.01 | <0.01 |
| TANK-PVCL | Tank 400-221 | Acid Chloride | <0.01 | <0.01 |
| TANK-TBHP | Tank 403-201 | Organic Hydroperoxide | 1.97 | 0.46 |
| TANK-NACL | Tank 403-608 | PM | 0.05 | <0.01 |
| TANK-H2O2 | Tank 406-202 | Hydrogen Peroxide | 0.06 | <0.01 |

| | | | | |
|------------|----------------|-----------------|-------|-------|
| TNK-MPP-EG | Tank 406-T1101 | Ethylene Glycol | <0.01 | <0.01 |
| TNK-PER-EG | Tank 403-320 | Ethylene Glycol | <0.01 | <0.01 |
| TANK-H2SO4 | Tank 406-602 | Sulfuric Acid | <0.01 | <0.01 |

Permit Number 21149
Page 2

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| CONTAMINANTS DATA | | | AIR | |
|------------------------|----------------------|---------------------|-----------------|-------|
| <u>Emission Rates*</u> | Source | Air Contaminant | <u>Emission</u> | |
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | |
| <u>TPY</u> | | | | |
| TANK-NAOH1 | Tank 403-204 | Sodium Hydroxide | <0.01 | <0.01 |
| TANK-NAOH2 | Tank 403-216 | Sodium Hydroxide | <0.01 | <0.01 |
| TANK-KOH | Tank 406-201 | Potassium Hydroxide | <0.01 | <0.01 |
| TANK-SBCF | Tank 401-226 | Chloroformate | <0.01 | <0.01 |
| TANK-FUG | Piping Fugitives (4) | VOC | 1.43 | 6.27 |

- (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) PM - particulate matter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Tank vents are controlled by the Oxidizer (Emission Point No. OXIDIZER) in Permit Number 21865.

* 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 July 25, 2002