

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9074

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 Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates* | |
|---------------------------|--|-------------------------------|-----------------|-------|
| | | | lb/hr | TPY** |
| 94 | PCE Barge Unloading | PCE | 1.18 | 0.057 |
| 96 | PCE Tank Fugitives (4) | PCE | 0.107 | 0.467 |
| 102 | PCE Tank | PCE | 0.471 | 0.183 |
| 120 | Emergency Generator No. 1 | SO ₂ | 1.62 | 0.011 |
| | | NO _x | 23.0 | 0.151 |
| | | PM/PM ₁₀ | 1.61 | 0.011 |
| | | CO | 4.95 | 0.033 |
| | | VOC/TOC | 1.87 | 0.012 |
| 121 | Caustic Scrubber | HCl | 0.009 | 0.006 |
| | | Cl ₂ | 0.201 | 0.002 |
| | | FC | 84.0 | 18.4 |
| 122 | HCl Scrubber | HCl | 0.02 | 0.09 |
| | | FC | 0.97 | 2.25 |
| 123 | Fugitives (4) | HCl | 0.014 | 0.059 |
| 124 | Fugitives (4) | HCl | 0.38 | 1.7 |
| 126 | Fugitives (4) | HCl | 0.068 | 0.299 |
| 166 | H ₂ O ₂ Storage Tank | H ₂ O ₂ | 0.317 | 0.004 |
| 175 | Fugitives (4) | FC | 1.4 | 6.08 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates* | |
|---------------------------|---------------------------|-----------------------------|-----------------|--------|
| | | | lb/hr | TPY** |
| 179 | Cooling Tower | PM | 1.6 | 7.01 |
| 186 | Neutralizer Vent | FC | 0.21 | 0.92 |
| 187 | Fugitives (4) | FC | 2.26 | 9.92 |
| | | VOC | 1.32 | 5.78 |
| | | HF | 0.047 | 0.208 |
| | | HCl | 0.037 | 0.161 |
| | | VCM | 0.100 | 0.438 |
| | | H ₂ | 0.069 | 0.302 |
| 189 | Sniff Scrubber Stack | FC | 0.01 | 0.003 |
| | | HCl | 0.01 | 0.001 |
| | | HF | 0.01 | 0.001 |
| 191 | Carbon Canister 1 | FC | 5.2 | 0.50 |
| 192 | Thermal Converter Stack | FC | 1.87 | 8.19 |
| | | NO _x | 0.89 | 3.90 |
| | | CO | 0.54 | 2.37 |
| | | PM/PM ₁₀ | 0.23 | 1.01 |
| | | VOC | 1.34 | 4.03 |
| | | SO ₂ | 0.12 | 0.53 |
| | | Benzene | <0.001 | <0.001 |
| | | VCM | <0.001 | 0.002 |
| | | HF | 0.192 | 0.84 |
| | | HCl | 0.135 | 0.59 |
| | | Cl ₂ | 0.001 | 0.004 |
| 193 | Fugitives (4) | FC | 4.34 | 19.03 |
| | | Benzene | <0.001 | <0.001 |
| | | HCl | 0.006 | 0.024 |
| | | VCM | 0.017 | 0.073 |
| | | H ₂ | 0.82 | 3.59 |
| 193-AqHCl | Fugitives (4) | HCl | 0.032 | 0.142 |
| 194 | Emergency Generator No. 3 | SO ₂ | 1.28 | 0.011 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates* | |
|---------------------------|---------------------------|-----------------------------|-----------------|-------|
| | | | lb/hr | TPY** |
| | | NO _x | 18.1 | 0.151 |
| | | PM/PM ₁₀ | 1.27 | 0.011 |
| | | CO | 3.91 | 0.033 |
| | | VOC/TOC | 1.48 | 0.012 |
| 197 | Carbon Canister No. 2 | FC | 12.5 | 2.74 |
| | | HF | 0.027 | 0.01 |
| | | Cl ₂ | 0.8 | 0.17 |
| | | HCl | 8.04 | 1.76 |
| 210 | Emergency Fire Pump No. 1 | SO ₂ | 0.38 | 0.01 |
| | | NO _x | 5.4 | 0.136 |
| | | PM/PM ₁₀ | 0.38 | 0.01 |
| | | CO | 1.2 | 0.029 |
| | | VOC/TOC | 0.44 | 0.011 |
| 215 | Emergency Fire Pump No. 2 | SO ₂ | 0.81 | 0.021 |
| | | NO _x | 11.5 | 0.302 |
| | | PM/PM ₁₀ | 0.81 | 0.021 |
| | | CO | 2.47 | 0.065 |
| | | VOC/TOC | 0.94 | 0.025 |
| 231 | Therminol Heater | SO ₂ | 2.08 | 9.11 |
| | | NO _x | 3.64 | 15.94 |
| | | PM/PM ₁₀ | 0.276 | 1.21 |
| | | CO | 3.06 | 13.39 |
| | | VOC | 0.20 | 0.88 |
| 237 | Hot Air Heater | SO ₂ | 0.43 | 1.89 |
| | | NO _x | 0.75 | 3.3 |
| | | PM/PM ₁₀ | 0.06 | 0.25 |
| | | CO | 0.63 | 2.77 |
| | | VOC | 0.04 | 0.18 |
| 244 | Emergency Generator No. 2 | SO ₂ | 0.38 | 0.01 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates* | |
|---------------------------|--------------------|-----------------------------|-----------------|-------|
| | | | lb/hr | TPY** |
| | | NO _x | 5.4 | 0.136 |
| | | PM/PM ₁₀ | 0.38 | 0.01 |
| | | CO | 1.2 | 0.029 |
| | | VOC/TOC | 0.44 | 0.011 |
| 245 | Fugitives (4) | FC | 5.17 | 22.6 |
| | | VOC | 0.473 | 2.07 |
| | | HF | 0.097 | 0.425 |
| | | HCl | 0.056 | 0.245 |
| | | Cl ₂ | 0.028 | 0.123 |
| | | PCE | 0.183 | 0.802 |
| 247 | Spray Scrubber | HF | 0.106 | 0.041 |
| | | HCl | 0.996 | 0.095 |
| | | Cl ₂ | 0.11 | 0.23 |
| | | FC | 54.5 | 5.97 |

(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) PCE - perchloroethylene

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

PM - particulate matter suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

TOC - total organic carbon

HCl - hydrogen chloride

Cl₂ - chlorine

FC - fluorocarbons

H₂O₂ - hydrogen peroxide

HF - hydrogen fluoride

VCM - vinyl chloride monomer

H₂ - hydrogen

Permit Number 9074
Page 5

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

- * 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

- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated May 13, 2003