

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 53313

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** |
| 49ANALFUG | Analyzer Vents | VOC | 0.01 | 0.01 |
| | | CO | 0.01 | 0.01 |
| 49HACFUG | HAc Unit Equipment Fugitives (4) | VOC | 7.19 | 31.47 |
| | | CO | 1.28 | 5.62 |
| | | MeAc 2.34 | 10.27 | |
| 49HACLDFUG | HAc Railcar/Truck Uncollected Loading Losses | VOC | 1.62 | 3.90 |
| | | | | |
| 49MN138ST | Acetic Acid Unit Flare | VOC | 20.15 | 10.43 |
| | | NO _x | 11.05 | 5.77 |
| | | CO | 292.76 | 238.49 |
| | | SO ₂ 0.88 | 0.21 | |
| | | MeAc 3.17 | 0.03 | |
| | | I ₂ 17.81 | 7.15 | |
| | | HI 17.95 | 7.21 | |
| 49MN294ST | HAc Loading Thermal Oxidizer | VOC | 1.38 | 3.35 |
| | | NO _x | 0.44 | 1.31 |
| | | CO | 10.64 | 38.28 |
| | | SO ₂ 0.07 | 0.31 | |
| | | PM ₁₀ | 0.04 | 0.17 |
| 49T149ST | HAc Tank Farm Scrubber | VOC | 4.15 | 5.64 |
| 55T43ST | Methanol Tank Farm Scrubber T-43 | VOC | 26.73 | 21.70 |

| | | | | |
|-----------|-----------------------------------|----------------|-------|-------|
| 49V1049ST | HAc Storage Tank | VOC | 0.55 | 0.32 |
| 49V1195ST | Methyl Acetate Storage Tank | VOC | 0.27 | 0.86 |
| | MeAc | 1.13 | 3.92 | |
| 49V537ST | Methyl Acetate Storage Tank | VOC | 0.28 | 1.13 |
| | MeAc | 1.30 | 5.28 | |
| 49V578ST | HAc Scavenger Tank | VOC | 0.57 | 0.01 |
| 49V598ST | Personnel Exposure Control Device | VOC | 1.94 | 0.04 |
| | | HI | 0.01 | 0.01 |
| | | I ₂ | 0.16 | 0.01 |
| | | MeAc | 0.14 | 0.01 |
| 49V604ST | Steam Condensate Tank | VOC | 0.01 | 0.01 |
| 49T171ST | Methyl Acetate Recovery Tower | VOC | 0.60 | 2.62 |
| | MeAc | 2.58 | 11.29 | |
| 49MT7FUG | Cooling Tower | VOC | 2.94 | 12.88 |

(1) Emission point identification - either equipment designation or emission point number from a plot plan.

(2) Specific point source names. 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

HAc - acetic acid

I₂ - Iodine

HI - Hydrogen Iodide
MeOH- methanol (methyl alcohol)
MeAc - methyl acetate

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

* Emission rates are based on the following maximum operating schedule: 8,760 hours per year.

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

Dated_____