

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5407B

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 |
| 1 | Tank 1 | NaOH | 0.001 | 0.001 |
| 2 | Tank 2 | NaOH | 0.001 | 0.001 |
| 4 | Tank 4 | KOH | 0.001 | 0.001 |
| 6 | Tank 6 | HNO3 | 0.01 | 0.01 |
| 11 | Tank 11 | VOC | 0.29 | 0.01 |
| 12 | Tank 12 | VOC | 0.01 | 0.01 |
| 13 | Tank 13 | VOC | 0.01 | 0.01 |
| 14 | Tank 14 | VOC | 0.001 | 0.001 |
| 16 | Tank 16 | NaOH | 0.001 | 0.001 |
| 17 | Tank 17 | CITA | 0.27 | 0.08 |
| CAS | Carbon Adsorption Unit | NH3 | 0.01 | 0.01 |
| | | HCHO | 0.01 | 0.01 |
| | | HCl | 0.01 | 0.01 |
| | | H3PO4 | 0.01 | 0.01 |
| | | NaOCl | 0.01 | 0.01 |
| | | H2SO4 | 0.01 | 0.01 |
| | | TBP | 0.01 | 0.01 |
| F-1 | Filling Losses | CITA | 0.48 | 0.05 |
| | | HCOOH | 0.46 | 0.02 |
| | | MORPH | 0.21 | 0.01 |

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| | | | | |
|-----|----------------------|--------|------|------|
| | | PERCHL | 1.66 | 0.01 |
| | | VOC | 0.01 | 0.01 |
| | | IOC-U | 0.01 | 0.01 |
| FUG | Piping Fugitives (4) | VOC | 0.01 | 0.01 |
| | | IOC-U | 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) NaOH - sodium hydroxide
KOH - potassium hydroxide
HNO₃ - nitric acid
VOC - volatile organic compounds as defined in General Rule 101.1
CITA - citric acid
NH₃ - aqueous ammonia
HCHO - formaldehyde
HCl - hydrogen chloride
H₃PO₄ - phosphoric acid
NaOCl - sodium hypochlorite
H₂SO₄ - sulfuric acid
TBP - tributyl phosphate
HCOOH - formic acid
MORPH - morpholine
PERCHL - perchlorethylene
IOC-U - inorganic compounds (unspeciated)
- (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 8760 Hrs/year

Dated _____