

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3069A

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 |
| TO-1 | Thermal Oxidizer | Pentane | 8.1 | 35.4 |
| | | POC | <0.1 | 0.2 |
| F-1 | Fugitives from Valves and Flanges (4) | Pentane | 0.7 | 2.7 |
| | | Styrene | <0.1 | 0.3 |
| FL-1 | Flare | Pentane | 6.8 | 29.8 |
| | | POC | 6.8 | 29.6 |
| R-3, R-4, and R-5 | Fugitives from Poly Reactors (4) | Styrene | <0.1 | 0.3 |
| T-4, T-5, and T-6 | Fugitives from Tanks (4) | Styrene | 0.2 | 0.8 |
| P-1 | Particulate Filter (5) | PM | 0.3 | 1.4 |
| R-1, R-2, and R-8 | Fugitives from Poly and EPS Reactors (4) | Styrene | <0.1 | <0.1 |

- (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 General Rule 101.1
NO_x - nitrous oxides
SO₂ - sulfur dioxide

CO - carbon monoxide

POC - products of combustion: VOC, PM, NO_x, SO₂, and CO

VOC from POC shall not exceed 0.1 tpy

Non-VOC from POC shall not exceed 29.7 tpy

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

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- (5) EPN P-1 may operate at 0.6 lb/hr and 2.1 tpy of PM until June 1, 1995, at which time interim control devices shall be used to reduce emissions to levels at or below the limits specified in the above table. The interim control devices shall be replaced by a particulate filter by September 30, 1995.

- * 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 _____