

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 (4) Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
FL-1	Flare	Pentane	14.9	75.2
		POC	6.8	29.6
F-1	Fugitives from Valves and Flanges (5)	Pentane	0.7	2.7
		Styrene	<0.1	0.3
R-3, R-4, and R-5	Fugitives from Poly Reactors (5)	Styrene	<0.1	0.3
T-4, T-5, and T-6	Fugitives from Tanks (5)	Styrene	0.2	0.8
P-1	Particulate Filter (6)	PM	0.3	1.4
R-1, R-2, and R-8	Fugitives from Poly and EPS <0.1 Reactors (5)	Styrene		<0.1
T0-1	Thermal Oxidizer	For emergency upset use only.		

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

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 particulate matter greater than 10 microns is emitted.

NO_x - nitrous oxides

SO₂ - sulfur dioxide

CO - carbon monoxide

VOC - volatile organic compounds as defined in General Rule 101.1.

The VOC from POC shall not exceed 0.1 tpy. Non-VOC from POC shall not exceed 29.7 tpy.

- (4) Emission rates are based on a continuous operating schedule of 8,760 hours per year.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) 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.

Dated _____