

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 38690

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
Scrubber 1	Packed Tower	EtO	0.2165	0.9483
		PO	5.122	0.2177
Scrubber 2	Packed Tower	EtO	0.0110	0.0482
		PO	0.0145	0.0635
Boiler 1	Steam Boiler	PM ₁₀	0.042	0.1840
		VOC	0.0190	0.0812
		NO _x	0.35	1.533
		CO	0.0735	0.3219
		SO ₂	0.0021	0.0092
Boiler 2	Steam Boiler	PM ₁₀	0.042	0.1840
		VOC	0.0190	0.0812
		NO _x	0.35	1.533
		CO	0.0735	0.3219
		SO ₂	0.0021	0.0092

- (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) EtO - ethylene oxide
 PO - propylene oxide
 PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it

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shall be assumed that no particulate matter greater than 10
microns is emitted

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

* Emission rates are based on and the facilities are limited by the
following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

A maximum annual usage of 1,785,484 pounds of ethylene oxide (ETO) and
2,253,948 pounds of
propylene oxide (PO).

Dated_____