

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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	0.22	0.95
		PO	0.19	0.82
Scrubber 2	Packed Tower	EtO	0.01	0.05
		PO	0.02	0.06
Boiler 1	Steam Boiler	PM ₁₀	0.04	0.18
		VOC	0.02	0.08
		NO _x	0.35	1.53
		CO	0.07	0.32
		SO ₂	<0.01	0.01
Boiler 2	Steam Boiler	PM ₁₀	0.04	0.18
		VOC	0.02	0.08
		NO _x	0.35	1.53
		CO	0.07	0.32
		SO ₂	<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) 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 shall be assumed that no particulate matter greater than 10 microns is emitted

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

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- * 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 July 14, 2006