

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20178

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
5	Scrubber I	ETO	0.76	0.35
6	Vacuum Dryer I	H ₂ O ₂	<0.01	<0.01
7	Sterilizer Cleaning I	H ₂ O ₂	<0.01	<0.01
8F	Component Fugitives (4)	ETO	0.52	2.23
		Glycol	0.01	0.03
9	Reactor I	ETO	0.01	0.07
		H ₂ O ₂	<0.01	<0.01
10	Scrubber II	ETO	0.76	0.28
11	Reactor II	ETO	0.01	0.02
		H ₂ O ₂	<0.01	<0.01
12	Vacuum Dryer II	H ₂ O ₂	<0.01	<0.01
13	Sterilizer Cleaning II	H ₂ O ₂	<0.01	<0.01
14	Vacuum Dryer III	H ₂ O ₂	<0.01	<0.01
15	Sterilizer Cleaning III	H ₂ O 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

H₂O₂ - hydrogen peroxide

Glycol - ethylene glycol

(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:

Based on a maximum annual usage of 120,000 pounds of ethylene oxide.

Hrs/day 24 Days/week 7 Weeks/year 51 or Hrs/year 8,568