

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 55557

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**
EPN 1	Common Stack ***	EtO	2.16	6.41
EPN 2	Boiler 01	PM <sub>10</sub>	0.03	0.12
		NO <sub>x</sub>	0.34	1.48
		CO	0.29	1.24
		SO <sub>2</sub>	<0.01	0.01
		VOC	0.02	0.09
EPN 3	Boiler 02	PM <sub>10</sub>	0.03	0.12
		NO <sub>x</sub>	0.34	1.48
		CO	0.29	1.24
		SO <sub>2</sub>	<0.01	0.01
		VOC	0.02	0.09
EPN 7	Tanks Vent (4)	EtO	<0.01	<0.01
FUG	Piping Fugitives (4)	EtO	-	0.16

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - 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.

CO - carbon monoxide

EtO - ethylene oxide

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(4) Fugitive emissions are an estimate only.

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

8,760 Hrs/Year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

\*\*\* Common Stack for Acid Scrubber (0.81 pound per hour [lb/hr] and 3.53 tons per year (tpy) of EtO); Safe Cell Aeration Room Control Systems 1 and 2 (0.35 lb/hr and 1.51 tpy of EtO); and Sterilization Chamber Backvents 1 to 5 (1.00 lb/hr and 1.37 tpy of EtO).

Ethylene oxide (EtO) usage rates shall be limited to a maximum daily usage of 2,000 pounds and a maximum annual usage of 735,000 pounds.

Dated: March 2, 2005