

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**
1	Common Stack***	EtO	5.36	7.21
2	Boiler 1	PM ₁₀	0.03	0.12
		NO _x	0.34	1.48
		CO	0.29	1.24
		SO ₂	<0.01	0.01
		VOC	0.02	0.09
3	Boiler 2	PM ₁₀	0.03	0.12
		NO _x	0.34	1.48
		CO	0.29	1.24
		SO ₂	<0.01	0.01
		VOC	0.02	0.09
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_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

CO - carbon monoxide

EtO - ethylene oxide

HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

(4) Fugitive emissions are an estimate only.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- * 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

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

- *** Common Stack emissions are comprised of the following:

Acid Scrubber:	<u>4.16</u> lb/hr	<u>4.41</u>
tpy		
Safe Cell Aeration Room Control Systems 1 and 2:	<u>0.2</u> lb/hr	<u>0.88</u> tpy
Sterilization Chamber Backvents 1 through 7:	<u>1.0</u> lb/hr	<u>1.92</u> tpy

Maximum Usage Rates:

EtO: 2,500 pounds per day 912,500 pounds per year

Dated November 4, 2008