

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 51907

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**
SCRBR-01	Wet Acid Scrubber	EtO	1.01	4.41
BLR-1	Boiler No. 1	VOC	0.02	0.10
		NO _x	0.21	0.92
		SO ₂	0.003	0.01
		PM ₁₀	0.03	0.14
		CO	0.35	1.54
BLR-2	Boiler No. 2	VOC	0.02	0.10
		NO _x	0.21	0.92
		SO ₂	0.003	0.01
		PM ₁₀	0.03	0.14
		CO	0.35	1.54
FUG-1	Building Fugitives (4)	EtO	0.07	0.31
TKS	Storage Tanks	EtO	0.01	0.01

(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) EtO - ethylene oxide

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 (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.

CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

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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

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

Total daily ethylene oxide usage rate of 5,000 pounds and total annual usage rate of 891,000 pounds.

Total annual natural gas usage rate of 74,000.000 scf.

Dated December 23, 2002