

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 19005 and PSD-TX-753

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**
SAR-SARSTK	SAR Unit Stack	NO _x	24.72	55.66
		SO ₂	121.67	498.23
		H ₂ SO ₄	4.39	19.20
SAR-PAPHA	Process Air Preheater-1	NO _x	4.80	21.03
		SO ₂	0.02	0.11
		PM	0.30	1.33
		VOC	0.22	1.00
		CO 3.40	14.72	
SAR-PAPHB	Process Air Preheater-2	NO _x	3.20	14.02
		SO ₂	0.02	0.11
		PM	0.30	1.33
		CO	3.40	14.72
		VOC 0.22	1.00	
SAR-SARUS	SAR Unit Start-Up Stack (4)	VOC	0.32	0.40
		NO _x 5.89	0.79	
		SO ₂	0.04	0.01
		PM	0.45	0.10
		CO	4.95	0.70
SAR-OLSCBR	Oleum Tank Scrubber Vent	H ₂ SO ₄	0.01	0.01

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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
H₂SO₄ - sulfuric acid mist
- (4) Emission rates for the Start-Up Stack (EPN SAR-SARUS) are based on and the facility is limited by a maximum operating schedule of 400 hours per year.

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

Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

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

Dated December 28, 2006