

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9564 and PSD-TX-670

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**
8710	RF Process Heater	VOC	0.22	0.96
		NO _x	1.57	6.89
		CO	3.50	15.31
		PM ₁₀	0.31	1.34
		SO ₂	0.97	4.24
8713	REU Process Heater	VOC	0.20	0.88
		NO _x	1.45	6.35
		CO	3.22	14.01
		PM ₁₀	0.28	1.24
		SO ₂	1.23	5.37
8717	AF Process Heater	VOC	0.75	3.28
		NO _x	3.74	16.37
		CO	5.23	22.92
		PM ₁₀	1.05	4.59
		SO ₂	4.55	19.93
8719	MS1 Process Heater	VOC	0.12	0.51
		NO _x	0.83	3.63
		CO	1.84	8.06
		PM ₁₀	0.16	0.71
		SO ₂	0.70	3.07
8727	HT2 Process Heater	VOC	0.22	0.96
		NO _x	1.57	6.89
		CO	3.50	15.31
		PM ₁₀	0.31	1.34
		SO ₂	1.33	5.83

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
8738	South Flare	VOC	2.72	1.01
			NO _x 0.33	0.15
			CO 0.66	0.30
8604	Process Fugitives (4)	VOC	2.24	9.81
			NH ₃ 0.03	0.13
8605	Cooling Tower (4)	VOC	0.04	0.18

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

NO_x - total oxides of nitrogen

CO - carbon monoxide

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.

SO₂ - sulfur dioxide

NH₃ - ammonia

(4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

* 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 August 4, 2005