

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 454A

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**
13F	Holding Furnace 9	PM ₁₀	2.40	0.60
		F	0.10	0.02
		Cl ₂	0.74	0.06
		HCl	6.64	0.49
		NO _x	1.40	5.97
		VOC	0.10	0.43
		SO ₂	0.01	0.04
		CO	1.10	4.69
13G	Holding Furnace 10	PM ₁₀	2.60	0.65
		F	0.10	0.02
		Cl ₂	1.23	0.10
		HCl	8.40	0.63
		NO _x	1.40	5.97
		VOC	0.10	0.43
		SO ₂	0.01	0.04
		CO	1.10	4.69
13H	Holding Furnace 11	PM ₁₀	2.60	0.65
		F	0.10	0.02
		Cl ₂	1.23	0.10
		HCl	8.40	0.63
		NO _x	1.40	5.97
		VOC	0.10	0.43
		SO ₂	0.01	0.04
		CO	1.10	4.69
13I	Holding Furnace 12	PM ₁₀	2.40	0.60
		F	0.10	0.02
		Cl ₂	0.74	0.06

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		HCl	6.64	0.50
		NO _x	1.40	5.97
		VOC	0.10	0.43
		SO ₂	0.01	0.04
		CO	1.10	4.69
13FUG	Building Monitor (4)	HCl	2.76	0.07
		Cl ₂	1.80	0.25

(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) PM₁₀ - particulate matter (PM) 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 - oxides of nitrogen

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

SO₂ - sulfur dioxide

CO - carbon monoxide

F - total fluoride

Cl₂ - chlorine

HCl - hydrogen chloride

(4) Fugitive emissions are an estimate only.

* Emission rates are based on a maximum annual usage of 45,000 pounds of chlorine and the facilities are limited by the following maximum operating schedule:

* Emission rates are based on a maximum of six 10-minute fluxes per 60-minute period.

Hrs/year 8,533

Dated July 12, 2004