

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19732

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) TPY	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	
70	North Calciner Stack	PM	4.04	17.70
		PM ₁₀	4.04	17.70
		NO _x	7.25	31.76
		CO	25.00	109.50
		SO ₂	0.15	0.66
		VOC	15.00	65.70
		Hg	0.0057	0.025
80	South Calciner Stack	PM	4.04	17.70
		PM ₁₀	4.04	17.70
		NO _x	7.25	31.76
		CO	25.00	109.50
		SO ₂	0.15	0.66
		VOC	15.00	65.70
		Hg	0.0057	0.025
71/81**	Baghouse A	PM ₁₀	0.21	0.79
72/82**	Baghouse B	PM ₁₀	0.21	0.79
73/83**	Baghouse C	PM ₁₀	0.21	0.79
74/84**	Baghouse D	PM ₁₀	0.21	0.79
75/85**	Baghouse E	PM ₁₀	0.21	0.79
76/86**	Baghouse F	PM ₁₀	0.40	1.55

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	
<u>TPY</u>				
77/87**	Baghouse G	PM ₁₀	0.28	1.08
78/88**	Baghouse H	PM ₁₀	0.40	1.55
79/89**	Baghouse I	PM ₁₀	0.28	1.08
90	Calcliner Cooling Tower 1	PM ₁₀	0.02	0.06
90A	Calcliner Cooling Tower 2	PM ₁₀	0.02	0.06

(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) PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter less than or equal to 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 Hg - mercury

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

Based on a maximum annual production of 2,082,500 tons of alumina.

Yrs/year 8,760

** Only one transport and collection system will operate at a time, except by Special Condition No. 7.

Dated _____