

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8823A

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

<u>Emission</u> *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
1	No. 1 Impact Mill/Calciner 5.56		PM ₁₀	1.27
	Baghouse Stack	NO _x	1.56	6.81
		CO	0.39	1.70
		VOC	0.031	0.14
		SO ₂	0.0067	0.029
2	No. 2 Impact Mill/Calciner 5.56		PM ₁₀	1.27
	Baghouse Stack	NO _x	1.56	6.81
		CO	0.39	1.70
		VOC	0.031	0.14
		SO ₂	0.0067	0.029
3	No. 3 Impact Mill/Calciner 5.56		PM ₁₀	1.27
	Baghouse Stack	NO _x	1.56	6.81
		CO	0.39	1.70
		VOC	0.031	0.14
		SO ₂	0.0067	0.029
4	No. 4 Impact Mill/Calciner 5.56		PM ₁₀	1.27
	Baghouse Stack	NO _x	1.56	6.81
		CO	0.39	1.70
		VOC	0.031	0.14
		SO ₂	0.0067	0.029
5	Stucco Storage/handling/		PM ₁₀	2.06

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
	9.01 End Saw Baghouse Stack			
6	Dryer Wet End Seal Stack	PM ₁₀	0.069	0.30
		NO _x	0.70	3.07
		CO	0.18	0.77
		VOC	0.50	2.18
		SO ₂	0.003	0.013
7	No. 5 Impact Mill/Calciner 5.56 Baghouse Stack	PM ₁₀	1.27	
		NO _x	1.56	6.81
		CO	0.39	1.70
		VOC	0.031	0.14
		SO ₂	0.0067	0.029
8	Dryer	PM ₁₀	1.23	5.40
		NO _x	12.60	55.19
		CO	3.15	13.80
		VOC	8.97	39.31
		SO ₂	0.054	0.24
9F	Crushed Gypsum Truck Unloading (4)	PM ₁₀	3.56	15.57
9A-F	Crushed Gypsum Handling 6.77 And Storage (4)	PM ₁₀	1.55	
9B-F	Off-Spec Material Chipper (4)	PM	1.16	5.10
		PM ₁₀	0.10	0.43
10	Dryer Dry End Seal Stack 0.30	PM ₁₀	0.07	
		NO _x	0.70	3.07

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		CO	0.18	0.77
		VOC	0.50	2.18
		SO ₂	0.003	0.013
11	Stucco Cooler Baghouse	PM ₁₀	2.10	9.10
12	Ball Mill	PM ₁₀	0.60	0.26

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- (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 equal 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.
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in General Rule 101.1
SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate

* Emission rates are based on and the facilities are limited by the following maximum operating schedule, wallboard production, and gypsum processed rates:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Wallboard Production Rates: ft²/hour 57,600 ft²/year 505,000,000

Gypsum Processed: Tons/hour 60 Tons/year 525,600

Dated _____