

# 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

Emission Point No. (1)	Source		Air Contaminant		<u>Emission Rates *</u>
	Name (2)	Name (3)	lb/hr	TPY	
1	NO. 1 IMPACT MILL/CALCINER BAGHOUSE STACK		TSP		1.90
			PM <sub>10</sub>		1.90
			NO <sub>x</sub>		1.56
			CO		0.39
2	NO. 2 IMPACT MILL/CALCINER BAGHOUSE STACK		TSP		1.90
			PM <sub>10</sub>		1.90
			NO <sub>x</sub>		1.56
			CO		0.39
3	NO. 3 IMPACT MILL/CALCINER BAGHOUSE STACK		TSP		1.90
			PM <sub>10</sub>		1.90
			NO <sub>x</sub>		1.56
			CO		0.39
4	NO. 4 IMPACT MILL/CALCINER BAGHOUSE STACK		TSP		1.90
			PM <sub>10</sub>		1.90
			NO <sub>x</sub>		1.56
			CO		0.39
5	STUCCO STORAGE/HANDLING/ MIXING/END SAW BAGHOUSE STACK		TSP		1.90
			PM <sub>10</sub>		1.90
6	DRYER WET END SEAL STACK		TSP		0.024
			PM <sub>10</sub>		0.024
			NO <sub>x</sub>		0.35
			CO		0.088
8-1	DRYER ZONE NO. 1 EXHAUST		TSP		0.219
			PM <sub>10</sub>		0.219

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *			
			lb/hr	TPY		
				NO <sub>x</sub>	3.15	13.80
				CO	0.788	3.45

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### AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
8-2	DRYER ZONE NO. 2 EXHAUST	TSP	0.243	1.06
		PM <sub>10</sub>	0.243	1.06
		NO <sub>x</sub>	3.50	15.30
		CO	0.875	3.83
8-3	DRYER ZONE NO. 3 EXHAUST	TSP	0.243	1.06
		PM <sub>10</sub>	0.243	1.06
		NO <sub>x</sub>	3.50	15.30
		CO	0.875	3.83
8-4	DRYER ZONE NO. 4 EXHAUST	TSP	0.122	0.53
		PM <sub>10</sub>	0.122	0.53
		NO <sub>x</sub>	1.75	7.67
		CO	0.438	1.92
10	DRYER DRY END SEAL STACK	TSP	0.122	0.53
		PM <sub>10</sub>	0.122	0.53
		NO <sub>x</sub>	1.75	7.67
		CO	0.438	1.92
9-F	CRUSHED GYPSUM TRUCK UNLOADING (4)	TSP	1.03	1.88
		PM <sub>10</sub>	1.03	1.88
9A-F	CRUSHED GYPSUM HANDLING AND STORAGE (4)	TSP	1.03	1.88
		PM <sub>10</sub>	1.03	1.88
9B-F	OFF-SPEC MATERIAL CHIPPER (4)	TSP	1.16	5.10
		PM <sub>10</sub>	0.10	0.43

- (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) TSP - total suspended particulate matter including PM<sub>10</sub>  
PM<sub>10</sub> - particulate matter less than 10 microns in diameter

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- \* 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: Ft<sup>2</sup>/hour 52,800 Ft<sup>2</sup>/year 310,000,000

Gypsum Processed: Tons/hour 52 Tons/year 310,000

Dated \_\_\_\_\_