

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 34340

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
EP01	Board Plant Stucco Dust Collector Stack	PM ₁₀	0.13	0.57
EP02	Board Plant Stucco Screw/E and W Stucco Bins Dust Collector Stack	PM ₁₀	0.082	0.36
EP03	Board Plant LPN Bin Dust Collector Stack	PM ₁₀	0.04	0.18
EP06	Mill Molding Bin and LP Feed Bin Dust Collector Stack	PM ₁₀	0.085	0.37
EP15	Board Plant/Bundler and Cut Back Saws Dust Collector Stack	PM ₁₀	0.28	1.23
FE02	Transfer Building/Crusher/Screens (Enclosed Building)	PM	0.11	0.11
		PM ₁₀	0.04	0.06
FE01	Primary Crusher (4)	PM	1.81	7.93
		PM ₁₀	0.001	0.002
FE03	Dirt Reject (4)	PM	0.078	0.34
		PM ₁₀	0.0005	0.002
FE04	Transfer Elevator No. 2 Belt (4)	PM	0.84	3.68
		PM ₁₀	0.001	0.01
FE05	Radial Stacker (4)	PM	0.156	0.68
		PM ₁₀	0.0010	0.004

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
FE06	Stockpile Reclaim/Loading (4)	PM	0.18	0.79
		PM ₁₀	0.09	0.39
FE07	Sizing Stacker N (4)	PM	0.013	0.057
		PM ₁₀	0.0001	0.0004
FE08	Sizing Stacker M (4)	PM	0.013	0.057
		PM ₁₀	0.007	0.031
FE09	Sizing Stacker S (4)	PM	0.065	0.28
		PM ₁₀	0.03	0.14
FE10	Dust Collector Chute (4)	PM	0.00068	0.003
		PM ₁₀	<0.0001	<0.001
FE11	Reclaim Wallboard Pile (4)	PM	--	1.54
		PM ₁₀	--	0.76
FE13	Stock Pile (4)	PM	--	0.40
		PM ₁₀	--	0.20
FE14	Conveyor Belt Sizing Stacker, N (4)	PM	0.035	0.15
		PM ₁₀	0.00005	0.0002
FE15	Conveyor Belt Sizing Stacker, M (4)	PM	0.035	0.15
		PM ₁₀	0.00005	0.0002
FE16	Conveyor Belt Sizing Stacker Belt Sizing, S (4)	PM	0.175	0.77
		PM ₁₀	0.00025	0.0011
FE17	Conveyor Belt Radial Stacker (4)	PM	0.42	1.8
		PM ₁₀	0.0006	0.003
FE21	Belt to Radial Stacker Transfer (4)	PM	0.42	1.84
		PM ₁₀	0.0039	0.017
FE23	Loading Stone at Stockpile (4)	PM	0.18	0.79

		PM ₁₀	0.09	0.39	
FE24	Dump Truck Unloading Stone at Stockpile (4)	PM	0.0073	0.0013	
		PM ₁₀	0.0037	0.0006	
FE25	Maxi-Grinder (4)	PM	0.56	2.45	
		PM ₁₀	0.27	1.16	

GRANDFATHERED FACILITIES (Used for Modeling Only)

EP07, EP08, and EP09	No. 1 Kettle, No. 2 Kettle, and No. 3 Kettle	PM ₁₀ (total)	0.599	2.63	
		SO ₂ (total)	0.03	0.13	
		CO (total)	1.68	7.36	
		NO _x (total)	6.72	29.43	
EP10	Board Stack Dryer No. 1	PM ₁₀	1.99	8.72	
EP11	Board Stack Dryer No. 2	PM ₁₀	2.05	8.98	
EP12	Board Stack Dryer No. 3	PM ₁₀	1.28	5.61	
EP13	Board Stack Dryer No. 3	PM ₁₀	1.03	4.51	
		SO ₂ (total)	0.21	0.93	
		CO (total)	12.41	54.35	
		NO _x (total)	4.84	20.22	
		VOC (total)	11.99	52.50	
		Glycol Ethers (total)	1.23	5.36	
		Formaldehyde (total)	1.69	7.42	
		Acetaldehyde (total)	0.21	0.93	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EP14	Raymond Mills, Kettles Flash Dryer, ESP Stack	PM ₁₀	7.42	32.51
		SO ₂	0.18	0.79
		CO	0.32	1.38
		NO _x	1.20	5.26
	VOC 0.08	0.36		

- (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 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
CO - carbon monoxide
NO_x - total oxides of nitrogen
VOC - volatile organic compounds
- (4) Fugitive emissions are an estimate only.

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

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

Maximum Production Rate: 1,051,200 tpy crusher throughput

371,000 tpy wallboard production

Permit No. 34340
Page 4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>

Dated May 29, 2003