

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EP01	Board Plant Stucco Dust Collector Stack	PM ₁₀	0.13	0.57
EP02	Board Plant/Stucco Screw/ E Stucco Bin/W Stucco Bin Dust Collector Stack	PM ₁₀	0.08	0.36
EP03	Board Plant/LPN Bin Dust Collector Stack	PM ₁₀	0.04	0.18
EP04	Board Plant/Bundler and Cut 4.73 Back Saws Dust Collector Stack		PM ₁₀	1.08
EP05	Sleutter Machine Dust Collector Stack	PM ₁₀	0.36	1.58
EP06	Mill/Molding Bin and LP Feed Bin 0.37 Dust Collector Stack		PM ₁₀	0.09
EP07,08, & 09	No. 1,2, & 3 Kettle Stacks	PM ₁₀ (total) SO ₂ (total) CO (total) No _x (total) VOC (total)	0.585 0.03 1.68 6.72 0.13	2.56 0.13 7.36 29.43 0.59
EP10,11,12, &13	Board Dryer Stacks No. 1,2,3,& 4 35.04	PM ₁₀ (total)		5.30

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		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
	5.38			
		Formaldehyde (total)		1.69
	7.42			
		Acetaldehyde (total)		0.21
	0.93			
EP14	Raymond Mills, Kettles and		PM ₁₀	7.42
32.51	Flash Dryer ESP Stack	SO _x	0.18	0.79
		CO	0.32	1.38
		NO _x	1.20	5.26
		VOC	0.08	0.35
EP15	Board Plant/Bundler and Cut		PM ₁₀	0.28
	1.24			
	Back Saws Dust Collector Stack			
FE01	Primary Crusher (4)	PM	0.01	0.04
		PM ₁₀	<0.01	<0.01
FE02	Secondary Crusher (4)	PM	0.43	1.89
		PM ₁₀	0.03	0.13
FE03	Dirt Reject (4)	PM	1.00	2.28
		PM ₁₀	<0.01	0.02
FE04	Transfer Elevator-No. 2 Belt (4)		PM	2.00
	8.28			
		PM ₁₀	0.02	0.08
FE05	Radial Stacker (4)	PM	2.00	6.83

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			lb/hr	TPY
		PM ₁₀	0.01	0.04
FE06	Stockpile Reclaim (4)	PM	10.5	45.99
		PM ₁₀	5.25	22.99
FE07	Sizing Stack N (4)	TSP	2.00	6.83
		PM ₁₀	0.01	0.04
FE08	Sizing Stack M (4)	TSP	2.00	6.83
		PM ₁₀	0.01	0.04
FE09	Sizing Stack S (4)	TSP	2.00	6.83
		PM ₁₀	0.01	0.04
FE10	Dust Collector Chute (4)	TSP	2.00	6.83
		PM ₁₀	0.01	0.04
Loading/ Unloading	Loading/Unloading (4)	TSP	12.25	52.89
		PM ₁₀	6.04	26.44
Screening	Screen Nos. 1, 2, and 3 (4) 23.65	TSP		5.40
		PM ₁₀	0.54	2.37
Stockpile	Stockpile (4)	TSP	--	1.78
		PM ₁₀	--	0.89

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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 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.

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

VOC - volatile organic compounds

SO_x - sulfur oxides

(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 tons
per year (tpy) crusher throughput
370,986 tpy wallboard production