

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	TSP	0.13	0.57
	Dust Collector Stack	PM ₁₀	0.13	0.57
EP02	Board Plant/Stucco Screw/ E Stucco Bin/W Stucco Bin	TSP	0.08	0.36
	0.36 Dust Collector Stack	PM ₁₀		0.08
EP03	Board Plant/LPN Bin	TSP	0.04	0.18
	Dust Collector Stack	PM ₁₀	0.04	0.18
EP04	Board Plant/Bundler and Cut	TSP		1.08
	4.73 Back Saws Dust Collector Stack	PM ₁₀		1.08
	4.73			
EP05	Sleutter Machine	TSP	0.36	1.58
	Dust Collector Stack	PM ₁₀	0.36	1.58
EP06	Mill/Molding Bin and LP Feed Bin	TSP		0.09
	0.37 Dust Collector Stack	PM ₁₀	0.09	0.37
EP15	Board Plant/Bundler and Cut	TSP		0.28
	1.24 Back Saws Dust Collector Stack	PM ₁₀		0.28
	1.24			

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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>
EP07	No. 1 Kettle Stack	TSP	0.66	2.88
		PM ₁₀	0.66	2.88
		SO ₂	0.03	0.13
		CO	1.68	7.36
		NO _x	6.72	29.43
		VOC	0.13	0.59

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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>
EP08	No. 2 Kettle Stack	TSP	0.66	2.88
		PM ₁₀	0.66	2.88
		SO ₂	0.03	0.13
		CO	1.68	7.36
		NO _x	6.72	29.43
		VOC	0.13	0.59
EP09	No. 3 Kettle Stack	TSP	0.66	2.88
		PM ₁₀	0.66	2.88
		SO ₂	0.03	0.13
		CO	1.68	7.36
		NO _x	6.72	29.43
		VOC	0.13	0.59
EP10, 11, 12, and 13 2,	TSP No. 3, and No. 4	Board Dryer Stacks No. 1, No. 12.15	53.22	
		PM ₁₀	12.15	53.22
		SO ₂	0.21	0.93
		CO	12.41	54.35
		NO _x	4.84	20.22
		VOC	11.99	52.50
		Glycol Ethers	1.23	5.38
		Formaldehyde	1.69	7.42
		Acetaldehyde	0.21	0.93
EP14	Raymond Mills, Kettles and Flash Dryer ESP Stack	TSP	33.91	148.54
		PM ₁₀	33.91	148.54
		SO _x	0.18	0.79
		CO	0.32	1.38
		NO _x	1.20	5.26
		VOC	0.08	0.35
FE01	Primary Crusher (4)	TSP	0.01	0.04
		PM ₁₀	<0.01	<0.01
FE02	Secondary Crusher (4)	TSP	0.43	1.89

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
		PM ₁₀	0.03	0.13
FE03	Dirt Reject (4)	TSP	1.00	2.28
		PM ₁₀	<0.01	0.02
FE04	Transfer Elevator-No. 2 Belt (4) 8.28	TSP		2.00
		PM ₁₀	0.02	0.08
FE05	Radial Stacker (4)	TSP	2.00	6.83
		PM ₁₀	0.01	0.04
FE06	Stockpile Reclaim (4)	TSP	?	?
		PM ₁₀	?	?
FE07	Sizing Stacker N (4)	TSP	2.00	6.83
		PM ₁₀	0.01	0.04
FE08	Sizing Stacker M (4)	TSP	?	?
		PM ₁₀	?	?
FE09	Sizing Stacker S (4)	TSP	?	?
		PM ₁₀	?	?
FE10	Dust Collector Chute (4)	TSP		
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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 including PM₁₀
PM₁₀ - particulate matter less than 10 microns in diameter
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
203,013.4 tpy wallboard production