

# 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
01	Board Plant Stucco Dust Collector Stack	PM/PM <sub>10</sub>	0.13	0.57
02	Board Plant Stucco Screw/E and W Stucco Bins Dust Collector Stack	PM/PM <sub>10</sub>	0.08	0.36
03	Board Plant LPN Bin Dust Collector Stack	PM/PM <sub>10</sub>	0.04	0.18
06	Mill Molding Bin and LP Feed Bin Dust Collector Stack	PM/PM <sub>10</sub>	0.09	0.37
07	Kettle No. 1 Stack	PM/PM <sub>10</sub>	0.20	0.88
		SO <sub>2</sub>	0.01	0.04
		CO	1.34	5.89
		NO <sub>x</sub>	1.60	7.01
		VOC 0.09	0.39	
		Hexane (5)	0.03	0.13
08	Kettle No. 2 Stack	PM/PM <sub>10</sub>	0.20	0.88
		SO <sub>2</sub>	0.01	0.04
		CO	1.34	5.89
		NO <sub>x</sub>	1.60	7.01
		VOC 0.09	0.39	
		Hexane (5)	0.03	0.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
09	Kettle No. 3 Stack	PM/PM <sub>10</sub>	0.20	0.88
		SO <sub>2</sub>	0.01	0.04
		CO	1.34	5.89
		NO <sub>x</sub>	1.60	7.01
		VOC	0.09	0.39
		Hexane (5)	0.03	0.13
10	Board Stack Dryer No. 1 Stack	PM/PM <sub>10</sub>	1.99	8.72
		SO <sub>2</sub>	0.02	0.09
		CO	2.83	12.41
		NO <sub>x</sub>	3.37	14.77
		VOC	3.00	13.12
		Glycol Ethers (5)	0.31	1.34
		Formaldehyde (5)	0.42	1.85
		Acetaldehyde (5)	0.05	0.23
		Hexane (5)	0.06	0.27
11	Board Stack Dryer No. 2 Stack	PM/PM <sub>10</sub>	2.05	8.99
		SO <sub>2</sub>	0.02	0.09
		CO	2.83	12.41
		NO <sub>x</sub>	3.37	14.77
		VOC	3.00	13.12
		Glycol Ethers (5)	0.31	1.34
		Formaldehyde (5)	0.42	1.85
		Acetaldehyde (5)	0.05	0.23
		Hexane (5)	0.06	0.27
12	Board Stack Dryer No. 3 Stack	PM/PM <sub>10</sub>	1.28	5.62
		SO <sub>2</sub>	0.02	0.09
		CO	2.83	12.41
		NO <sub>x</sub>	3.37	14.77
		VOC	3.00	13.12
		Glycol Ethers (5)	0.31	1.34
		Formaldehyde (5)	0.42	1.85
		Acetaldehyde (5)	0.05	0.23
		Hexane (5)	0.06	0.27

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			lb/hr	TPY
13	Board Stack Dryer No. 4 Stack	PM/PM <sub>10</sub>	1.03	4.52
		SO <sub>2</sub>	0.01	0.05
		CO	1.56	6.85
		NO <sub>x</sub>	1.86	8.16
		VOC	3.00	13.12
		Glycol Ethers (5)	0.31	1.34
		Formaldehyde (5)	0.42	1.85
		Acetaldehyde (5)	0.05	0.23
		Hexane (5)	0.03	0.15
14	Raymond Mills, Kettles Flash Dryers No. 1 and 2, ESP Stack	PM/PM <sub>10</sub>	7.42	32.51
		SO <sub>2</sub>	0.18	0.79
		CO	0.32	1.38
		NO <sub>x</sub>	1.20	5.26
		VOC	0.08	0.36
		Hexane (5)	0.03	0.12
15	Board Plant/Bundler Dust Collector Stack	PM/PM <sub>10</sub>	0.28	1.23
FE01	Primary Crusher (4)	PM	1.81	7.93
		PM <sub>10</sub>	<0.01	<0.01
FE02	Transfer Building/Crusher/Screens (Enclosed Building)	PM	0.11	0.11
		PM <sub>10</sub>	0.04	0.06
FE03	Dirt Reject (4)	PM	0.08	0.34
		PM <sub>10</sub>	<0.01	<0.01
FE04	Transfer Elevator No. 2 Belt (4)	PM	0.84	3.68
		PM <sub>10</sub>	<0.01	0.01
FE05	Radial Stacker (4)	PM	0.16	0.68
		PM <sub>10</sub>	<0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
FE06	Reclaim/Loading Stockpile (4)	PM PM <sub>10</sub>	0.18 0.09	0.79 0.39
FE07	Sizing Stacker N (4)	PM PM <sub>10</sub> <0.01	0.01 <0.01	0.06
FE08	Sizing Stacker M (4)	PM PM <sub>10</sub>	0.01 0.01	0.06 0.03
FE09	Sizing Stacker S (4)	PM PM <sub>10</sub>	0.07 0.03	0.28 0.14
FE10	Dust Collector Chute (4)	PM PM <sub>10</sub> <0.01	<0.01 <0.01	<0.01
FE11	Reclaim Wallboard Pile (4)	PM PM <sub>10</sub>	-- --	1.54 0.76
FE13	Stock Pile (4)	PM PM <sub>10</sub>	-- --	0.40 0.20
FE14	Conveyor Belt Sizing Stacker, N (4)	PM PM <sub>10</sub>	0.04 <0.01	0.15 <0.01
FE15	Conveyor Belt Sizing Stacker, M (4)	PM PM <sub>10</sub>	0.04 <0.01	0.15 <0.01
FE16	Conveyor Belt Sizing Stacker Belt Sizing, S (4)	PM PM <sub>10</sub>	0.18 <0.01	0.77 <0.01
FE17	Conveyor Belt Radial Stacker (4)	PM PM <sub>10</sub>	0.42 <0.01	1.80 <0.01
FE21	Belt to Radial Stacker Transfer (4)	PM PM <sub>10</sub>	0.42 <0.01	1.84 <0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
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FE23	Loading Stone at Stockpile (4)	PM	0.18	0.79
		PM <sub>10</sub>	0.09	0.39
FE24	Dump Truck Unloading Stone at Stockpile (4)	PM	0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
FE25	Maxi-Grinder (4)	PM	0.56	2.45
		PM <sub>10</sub> 0.27	1.16	

- (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 PM<sub>10</sub>  
 PM<sub>10</sub> - 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.  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide  
 NO<sub>x</sub> - total oxides of nitrogen  
 VOC - volatile organic compounds
- (4) Fugitive emissions are an estimate only.
- (5) The combination of all Hazardous Air Pollutants (HAPs) shall not exceed 25 tpy and the facility shall emit less than 10 tpy of a single HAP.

Dated December 28, 2006