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_{10}	0.13	0.57
02	Board Plant Stucco Screw/E and W Stucco Bins Dust Collector Stack	PM/PM_{10}	0.08	0.36
03	Board Plant Land Plaster (LP) Bin Dust Collector Stack	PM/PM_{10}	0.04	0.18
06	Mill Molding Bin and LP Feed Bin Dust Collector Stack	PM/PM_{10}	0.09	0.37
07	Kettle No. 1 Stack	PM/PM_{10}	0.20	0.88
		SO_2	0.01	0.04
		CO	1.34	5.89
		NO_x	1.60	7.01
		VOC	0.09	0.39
		Hexane (5)	0.03	0.13
08	Kettle No. 2 Stack	PM/PM_{10}	0.20	0.88
		SO_2	0.01	0.04
		CO	1.34	5.89
		NO_x	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_{10}	
			0.20	0.88
		SO_2	0.01	0.04
		CO	1.34	5.89
		NO_x	1.60	7.01
		VOC	0.09	0.39
		Hexane (5)	0.03	0.13
10, 11, 12, 13, 16	Board Dryer Stack Nos. 1-5 Emissions Cap (6) (Includes Dryer Zones 1-4, and the Wet End Seal Stack)	PM/PM_{10}	6.36	27.85
		SO_2	0.07	0.32
		CO	10.05	44.08
		NO_x	11.97	52.47
		VOC	12.00	52.48
		Glycol Ethers (5)	1.24	5.36
		Formaldehyde (5)	1.68	7.40
		Acetaldehyde (5)	0.20	0.92
		Hexane (5)	0.21	0.96
14	Raymond Mills Nos. 1 and 2 and Kettles Nos. 1-3 ESP Stack	PM/PM_{10}	7.42	32.51
		SO_2	0.18	0.79
		CO	1.26	5.52
		NO_x	1.50	6.57
		VOC	0.08	0.36
		Hexane (5)	0.03	0.12
15	Board Plant/Bundler Dust Collector Stack	PM/PM_{10}	0.28	1.23
17	South Cooling Bin Dust Collector Stack	PM/PM_{10}	0.03	0.10
18	Center Cooling Bin Dust Collector Stack	PM/PM_{10}	0.05	0.20
19	North Cooling Bin Dust Collector Stack	PM/PM_{10}	0.05	0.20

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
FE01	Primary Crusher (4)	PM	1.81	7.93
		PM_{10}	<0.01	<0.01
FE02	Transfer Building/Crusher/Screens (Enclosed Building)	PM	0.11	0.11
		PM_{10}	0.04	0.06
FE03	Dirt Reject (4)	PM	0.08	0.34
		PM_{10}	<0.01	<0.01
FE04	Transfer Elevator No. 2 Belt (4)	PM	0.84	3.68
		PM_{10}	<0.01	0.01
FE05	Radial Stacker (4)	PM	0.16	0.68
		PM_{10}	<0.01	<0.01
FE06	Reclaim/Loading Stockpile (4)	PM	0.18	0.79
		PM_{10}	0.09	0.39
FE10	Dust Collector Chute (4)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
FE11	Reclaim Wallboard Pile (4)	PM	--	1.54
		PM_{10}	--	0.76
FE13	Stock Pile (4)	PM	--	0.40
		PM_{10}	--	0.20
FE17	Conveyor Belt Radial Stacker (4)	PM	0.42	1.80
		PM_{10}	<0.01	<0.01
FE21	Belt to Radial Stacker Transfer (4)	PM	0.42	1.84
		PM_{10}	<0.01	0.02
FE25	Maxi-Grinder (4)	PM	0.56	2.45
		PM_{10}	0.27	1.16

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(1) Emission point identification - either specific equipment designation or emission point number (EPN) 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_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter.
SO_2 - sulfur dioxide
CO - carbon monoxide
NO_x - 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 tons per year (tpy) and the facility shall emit less than 10 tpy of a single HAP. The HAPs are included in the total VOC emission rate.
(6) Total emissions from the dryer shall not exceed the sum of the emissions from the four dryer zone stacks and wet end seal (EPNs 10-13 and 16).

Dated November 17, 2010