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, sources, and related activities. 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 (7)	
			lbs/hour	TPY (4)
01	Board Plant Stucco Dust Collector Stack	PM	0.13	0.57
		PM_{10}	0.13	0.57
02	Board Plant Stucco Screw / E and W Stucco Bins Dust Collectors Stack	PM	0.08	0.36
		PM_{10}	0.08	0.36
03	Board Plant Landplaster (LP) Bin Dust Collectors Stack	PM	0.04	0.18
		PM_{10}	0.04	0.18
06	Mill Molding Bin and LP Feed Bin Dust Collector Stack	PM	0.09	0.37
		PM_{10}	0.09	0.37
07	Kettle No. 1 Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
		VOC	0.09	0.39
		NO_x	1.60	7.01
		SO_2	0.01	0.04
		CO	1.34	5.89
		Hexane (5)	0.03	0.13
08	Kettle No. 2 Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
		VOC	0.09	0.39
		NO_x	1.60	7.01
		SO_2	0.01	0.04
		CO	1.34	5.89
		Hexane (5)	0.03	0.13

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09	Kettle No. 3 Stack	PM	0.20	0.88
		PM_{10}	0.20	0.88
		VOC	0.09	0.39
		NO_x	1.60	7.01
		SO_2	0.01	0.04
		CO	1.34	5.89
		Hexane (5)	0.03	0.13
10, 11, 12, 13, and 16	Board Dryer Stack Nos. 1-5 Emissions Cap (6) (Includes Dryer Zones 1-4 and the Wet End Seal Stack)	PM	6.36	27.85
		PM_{10}	6.36	27.85
		VOC	12.00	52.48
		NO_x	11.97	52.47
		SO_2	0.07	0.32
		CO	10.05	44.08
		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 Kettle Nos. 1-3 Electrostatic Precipitator Stack (8)	PM	7.42	32.51
		PM_{10}	7.42	32.51
		VOC	0.08	0.36
		NO_x	1.50	6.57
		SO_2	0.18	0.79
		CO	1.26	5.52
		Hexane (5)	0.03	0.12
15	Board Plant/Bundler Dust Collector Stack	PM	0.28	1.23
		PM_{10}	0.28	1.23
17	South Cooling Bin Dust Collector Stack	PM	0.03	0.10
		PM_{10}	0.03	0.10
18	Center Cooling Bin Dust Collector Stack	PM	0.05	0.20
		PM_{10}	0.05	0.20
19	North Cooling Bin Dust Collector Stack	PM	0.05	0.20
		PM_{10}	0.05	0.20

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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	PM	0.18	0.79
		PM_{10}	0.09	0.39
FE10	The Dust Collector Chute Fugitives (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

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC) § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
CO - carbon monoxide
(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.

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(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).
(7) Planned startup and shutdown emissions are included as well as planned maintenance activities identified as part of the permit alteration request submitted on January 3, 2013.
(8) During startup of the electrostatic precipitator (EPN 14), the emission will be authorized by 30 TAC 106.263.

Date: December 12, 2013