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 (6)	
			lbs/hour (8)	TPY (4)
Phase 1				
INPCRSH	In Pit Crusher and Associated Equipment (5)	PM	3.62	4.52
		PM_{10}	1.71	2.14
		$PM_{2.5}$	0.26	0.32
CRSHHAND	West Line Rock Handling Fugitives (5)	PM	0.74	0.84
		PM_{10}	0.32	0.36
		$PM_{2.5}$	0.05	0.05
MILLBLDG	West Line Mill Building Fugitives (5)	PM	0.02	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
DRYADD	West Line Dry Additive Handling Fugitive (5)	PM	0.15	0.64
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.01	0.05
STKPL1	West Line Crushed Rock Stockpile (5)	PM	-	3.96
		PM_{10}	-	1.88
		$PM_{2.5}$	-	0.28
STKPL2	West Line Blend Stockpile (5)	PM	-	0.25
		PM_{10}	-	0.12
		$PM_{2.5}$	-	0.02
01	Stucco Return Distribution Screw Dust Collector Stack	PM	0.16	0.71
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.09	0.37
02	Stucco Screw & E/W Stucco Bins Dust Collectors (3 units, 1 stack) Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.06	0.26
03	Board Plant Landplaster Bins DustCollectors (3 units, 1 stack) Stack	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.02	0.08
06	Molding Bin Dust Collectors (2	PM	0.14	0.60

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		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.07	0.31
07	Kettle No. 1 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
		HAPs	0.03	0.13
08	Kettle No. 2 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
		HAPs	0.03	0.13
09	Kettle No. 3 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
		HAPs	0.03	0.13
10	West Line Wallboard Dryer Stack (138.75 MMBtu/hr)	PM	15.18	34.56
		PM_{10}	15.18	34.56
		$PM_{2.5}$	13.16	32.10
		VOC (as carbon)	5.01	20.82
		NO_x	13.60	59.58
		SO_2	0.08	0.36
		CO	33.19	76.44
		Formaldehyde	2.38	5.20
		Hexane	0.24	1.07
		Methanol	0.43	1.42

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		HAPs	3.06	7.70
14	Electrostatic Precipitator Stack (Raymond Mill Nos. 1 and 2 and Kettle Nos. 1, 2, and 3 Process Emissions) (7) (3.5 MMBtu/hr each roller mill)	PM	5.40	23.66
		PM_{10}	5.13	22.46
		$PM_{2.5}$	3.01	13.19
		VOC (as carbon)	0.04	0.17
		NO_x	1.34	5.87
		SO_2	0.01	0.02
		CO	0.58	2.52
		HAPs	0.01	0.06
15	Board Plant/Bundler Dust Collector Stack	PM	0.28	1.24
		PM_{10}	0.28	1.24
		$PM_{2.5}$	0.15	0.65
16	Riser Saw Dust Collector (5)	PM	0.06	0.26
		PM_{10}	0.06	0.26
		$PM_{2.5}$	0.03	0.14
17	South Cooling Bin Dust Collector (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
18	Middle Cooling Bin Dust Collector (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
19	North Cooling Bin Dust Collector (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
20	Diesel Storage Tank A (21,000 gallon)	VOC (as species)	0.70	0.01
		HAPs	0.22	0.01
28	West Line Retarder Tank	VOC (as species)	0.01	0.01
		HAPs	0.01	0.01
30	Bulk Bin Dust Collector (5)	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.02
31	Bulk Loadout System Dust Collector (5)	PM	0.01	0.06
		PM_{10}	0.01	0.06
		$PM_{2.5}$	0.01	0.03
32	Surge Bin Pressure Relief Sock (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.01	0.01
33	No. 1 Rock Bin Vent (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
34	No. 2 Rock Bin Vent (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
PAHEAT	West Line Paper Heaters (5) (0.08 MMBtu/hr)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		VOC (as carbon)	0.01	0.01
		NO_x	0.01	0.03
		SO_2	0.01	0.01
		CO	0.01	0.03
		HAPs	0.01	0.01
WESTINK	West Line Ink Use (5)	VOC (as species)	6.62	2.20
		HAPs	3.06	0.15
Phase 2				
INPCRSH	In Pit Crusher and Associated Equipment (5)	PM	3.62	4.52
		PM_{10}	1.71	2.14
		$PM_{2.5}$	0.26	0.32
CRSHHAND	West Line Rock Handling Fugitives (5)	PM	0.74	0.84
		PM_{10}	0.32	0.36
		$PM_{2.5}$	0.05	0.05
MILLBLDG	West Line Mill Building Fugitives (5)	PM	0.02	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
DRYADD	West Line Dry Additive Handling Fugitive (5)	PM	0.15	0.64
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.01	0.05
STKPL1	West Line Crushed Rock Stockpile (5)	PM	-	3.96
		PM_{10}	-	1.88
		$PM_{2.5}$	-	0.28
STKPL2	West Line Blend Stockpile (5)	PM	-	0.25
		PM_{10}	-	0.12
		$PM_{2.5}$	-	0.02

Emission Sources - Maximum Allowable Emission Rates

01	Stucco Return Distribution Screw Dust Collector Stack	PM	0.16	0.71
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.09	0.37
02	Stucco Screw & E/W Stucco Bins Dust Collectors (3 units, 1 stack) Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.06	0.26
03	Board Plant Landplaster Bins Dust Collectors (3 units, 1 stack) Stack	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.02	0.08
06	Molding Bin Dust Collectors (2 units, 1 stack) Stack	PM	0.14	0.60
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.07	0.31
07	Kettle No. 1 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
		HAPs	0.03	0.13
08	Kettle No. 2 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
		HAPs	0.03	0.13
09	Kettle No. 3 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
		HAPs	0.03	0.13

Emission Sources - Maximum Allowable Emission Rates

10	West Line Wallboard Dryer Stack (138.75 MMBtu/hr)	PM	5.10	22.33
		PM_{10}	5.10	22.33
		$PM_{2.5}$	5.10	22.33
		VOC (as carbon)	4.65	20.39
		NO_x	13.60	59.58
		SO_2	0.08	0.36
		CO	11.43	50.05
		Formaldehyde	0.73	3.20
		Hexane	0.24	1.07
		Methanol	0.28	1.24
		HAPs	1.26	5.52
14	Electrostatic Precipitator Stack (Raymond Mill Nos. 1 and 2 and Kettle Nos. 1, 2, and 3 Process Emissions) (7) (3.5 MMBtu/hr each roller mill)	PM	5.40	23.66
		PM_{10}	5.13	22.46
		$PM_{2.5}$	3.01	13.19
		VOC (as carbon)	0.04	0.17
		NO_x	1.34	5.87
		SO_2	0.01	0.02
		CO	0.58	2.52
		HAPs	0.01	0.06
15	Board Plant/Bundler Dust Collector Stack	PM	0.28	1.24
		PM_{10}	0.28	1.24
		$PM_{2.5}$	0.15	0.65
16	Riser Saw Dust Collector (5)	PM	0.06	0.26
		PM_{10}	0.06	0.26
		$PM_{2.5}$	0.03	0.14
17	South Cooling Bin Dust Collector (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
18	Middle Cooling Bin Dust Collector (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
19	North Cooling Bin Dust Collector (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
20	Diesel Storage Tank A (21,000 gallon)	VOC (as species)	0.70	0.01
		HAPs	0.22	0.01

Emission Sources - Maximum Allowable Emission Rates

28	West Line Retarder Tank	VOC (as species)	0.01	0.01
		HAPs	0.01	0.01
30	Bulk Bin Dust Collector (5)	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.02
31	Bulk Loadout System Dust Collector (5)	PM	0.01	0.06
		PM_{10}	0.01	0.06
		$PM_{2.5}$	0.01	0.03
32	Surge Bin Pressure Relief Sock (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
33	No. 1 Rock Bin Vent (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
34	No. 2 Rock Bin Vent (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
PAHEAT	West Line Paper Heaters (5) (0.08 MMBtu/hr)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		VOC (as carbon)	0.01	0.01
		NO_x	0.01	0.03
		SO_2	0.01	0.01
		CO	0.01	0.03
		HAPs	0.01	0.01
UNCRSH	East Line Uncrushed Rock Handling Fugitives (5)	PM	2.78	1.74
		PM_{10}	1.16	0.73
		$PM_{2.5}$	0.18	0.11
CRSHBLDG	East Line Crusher Building Fugitives (5)	PM	0.55	0.92
		PM_{10}	0.25	0.42
		$PM_{2.5}$	0.04	0.06
ROCKBELT	East Line Crushed Rock Handling Fugitives (5)	PM	0.49	0.81
		PM_{10}	0.18	0.30
		$PM_{2.5}$	0.03	0.05
ENDTR	East Line End Trim Handling Fugitives (5)	PM	0.04	0.17
		PM_{10}	0.02	0.08

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.01	0.01
EMILLBLDG	East Line Mill Building Fugitives (5)	PM	0.12	0.30
		PM_{10}	0.05	0.11
		$PM_{2.5}$	0.01	0.02
NGSTP	East Line Natural Gypsum Stockpile (5)	PM	-	1.99
		PM_{10}	-	0.94
		$PM_{2.5}$	-	0.14
SGSTP	East Line Surge Stockpile (5)	PM	-	1.49
		PM_{10}	-	0.71
		$PM_{2.5}$	-	0.11
CRSHR1 and CRSHR2	East Line Rock Crusher Nos. 1 and 2 Fugitives (5)	PM	0.05	0.08
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.01	0.01
CRSHBH	Natural Rock Dust Collector Stack (3.0 MMBtu/hr)	PM	0.63	2.77
		PM_{10}	0.63	2.77
		$PM_{2.5}$	0.63	2.77
		VOC (as carbon)	0.02	0.07
		NO_x	0.29	1.29
		SO_2	0.01	0.01
		CO	0.67	2.92
		HAPs	0.01	0.02
MILL1DC	Impact Mill No. 1 Baghouse/Dust Collector Stack (50 MMBtu/hr)	PM	1.44	6.31
		PM_{10}	1.44	6.31
		$PM_{2.5}$	1.44	6.31
		VOC (as propane)	0.60	2.64
		NO_x	3.30	14.45
		SO_2	0.27	1.19
		CO	4.00	17.52
		HAPs	0.09	0.41
MILL2DC	Impact Mill No. 2 Baghouse/Dust Collector Stack (50 MMBtu/hr)	PM	1.44	6.31
		PM_{10}	1.44	6.31
		$PM_{2.5}$	1.44	6.31
		VOC (as propane)	0.60	2.64
		NO_x	3.30	14.45
		SO_2	0.27	1.19
		CO	4.00	17.52

Emission Sources - Maximum Allowable Emission Rates

		HAPs	0.09	0.41
TRIMBIN	End Trim Silo Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
ROCKBIN	400T Rock Silo Bin Vent	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
ENDTRIM	End Trim Dust Collector Stack	PM	1.10	4.81
		PM_{10}	1.10	4.81
		$PM_{2.5}$	1.10	4.81
RCKSILO1	Mill 1 Rock Silo Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
RCKSILO2	Mill 2 Rock Silo Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
LPRCKSILO	LP Rock Silo Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
LPSILO	LP Silo Bin Vent	PM	0.16	0.68
		PM_{10}	0.16	0.68
		$PM_{2.5}$	0.16	0.68
SCOOLER	Stucco Cooler Dust Collector	PM	0.20	0.90
		PM_{10}	0.20	0.90
		$PM_{2.5}$	0.20	0.90
STUCBIN1	Stucco Silo Bin Vent #1 (600ST)	PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
STUCBIN2	Stucco Silo Bin Vent #2 (600ST)	PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
STUCDC	Stucco General Dust Collector	PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
GRNDAG	Grinding Agent Day Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.02	0.07
LPDAYBIN	LP Day Bin Vent	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
BMADC	BMA Dust Collector Stack	PM	0.05	0.21
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
STARCHDC	Starch Bulk Silo Bin Vent	PM	0.08	0.35
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.08	0.35
PSTRCHDC	Pregel Starch Bulk Silo Bin Vent	PM	0.08	0.35
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.08	0.35
POTASHBN	Potash Bin Vent (5)	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
PSTRCHBIN	Pregel Starch Bin Vent	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
STRCHBIN	Starch Bin Vent	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
DEXBIN	Dextrose Bin Vent	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
BORICBIN	Boric Acid Bin Vent (5)	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
DRYDC	Dry Additive Bin Vent (5)	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
BAGADD	Combined Bulk Bag Dump Station Additives Fan (5)	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
EDRYADD	Dry Additive Supersack Unloading Hopper (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01

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		$PM_{2.5}$	0.01	0.01
DRYER	East Line Wallboard Dryer Stack (243 MMBtu/hr)	PM	14.11	61.82
		PM_{10}	14.11	61.82
		$PM_{2.5}$	14.11	61.82
		VOC (as carbon)	12.88	56.43
		NO_x	16.04	70.25
		SO_2	0.14	0.63
		CO	19.44	85.15
		HAPs	3.24	14.18
WESTINK	West Line Ink Use (5)	VOC (as species)	6.62	2.20
		HAPs	3.06	0.15
EASTINK	East Line Ink Use (5)	VOC (as species)	0.01	0.01
Phase 3				
INPCRSH	In Pit Crusher and Associated Equipment (5)	PM	3.62	4.52
		PM_{10}	1.71	2.14
		$PM_{2.5}$	0.26	0.32
CRSHHAND	West Line Rock Handling Fugitives (5)	PM	0.74	0.84
		PM_{10}	0.32	0.36
		$PM_{2.5}$	0.05	0.05
MILLBLDG	West Line Mill Building Fugitives (5)	PM	0.02	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
DRYADD	West Line Dry Additive Handling Fugitive (5)	PM	0.15	0.64
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.01	0.05
STKPL1	West Line Crushed Rock Stockpile (5)	PM	-	3.96
		PM_{10}	-	1.88
		$PM_{2.5}$	-	0.28
STKPL2	West Line Blend Stockpile (5)	PM	-	0.25
		PM_{10}	-	0.12
		$PM_{2.5}$	-	0.02
01	Stucco Return Distribution Screw Dust Collector Stack	PM	0.16	0.71
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.09	0.37
02	Stucco Screw & E/W Stucco Bins Dust Collectors (3 units, 1 stack) Stack	PM	0.11	0.49
		PM_{10}	0.11	0.49

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.06	0.26
03	Board Plant Landplaster Bins Dust Collectors (3 units, 1 stack) Stack	PM	0.04	0.16
		PM_{10}	0.04	0.16
		$PM_{2.5}$	0.02	0.08
06	Molding Bin Dust Collectors (2 units, 1 stack) Stack	PM	0.14	0.60
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.07	0.31
07	Kettle No. 1 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
		HAPs	0.03	0.13
07BH	Kettle No. 1 Baghouse Stack	PM	0.74	3.23
		PM_{10}	0.74	3.23
		$PM_{2.5}$	0.74	3.23
08	Kettle No. 2 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41
		HAPs	0.03	0.13
08BH	Kettle No. 2 Baghouse Stack	PM	0.74	3.23
		PM_{10}	0.74	3.23
		$PM_{2.5}$	0.74	3.23
09	Kettle No. 3 Combustion Stack (15 MMBtu/hr)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC (as carbon)	0.08	0.35
		NO_x	1.47	6.44
		SO_2	0.01	0.04
		CO	1.24	5.41

Emission Sources - Maximum Allowable Emission Rates

		HAPs	0.03	0.13
09BH	Kettle No. 3 Baghouse Stack	PM	0.74	3.23
		PM_{10}	0.74	3.23
		$PM_{2.5}$	0.74	3.23
10	West Line Wallboard Dryer Stack (138.75 MMBtu/hr)	PM	15.18	34.56
		PM_{10}	15.18	34.56
		$PM_{2.5}$	13.16	32.10
		VOC (as carbon)	5.01	20.82
		NO_x	13.60	59.58
		SO_2	0.08	0.36
		CO	33.19	76.44
		Formaldehyde	2.38	5.20
		Hexane	0.24	1.07
		Methanol	0.43	1.42
		HAPs	3.06	7.70
15	Board Plant/Bundler Dust Collector Stack	PM	0.28	1.24
		PM_{10}	0.28	1.24
		$PM_{2.5}$	0.15	0.65
16	Riser Saw Dust Collector (5)	PM	0.06	0.26
		PM_{10}	0.06	0.26
		$PM_{2.5}$	0.03	0.14
17	South Cooling Bin Dust Collector (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
18	Middle Cooling Bin Dust Collector (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
19	North Cooling Bin Dust Collector (5)	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.01
20	Diesel Storage Tank A (21,000 gallon)	VOC (as species)	0.70	0.01
		HAPs	0.22	0.01
28	West Line Retarder Tank	VOC (as species)	0.01	0.01
		HAPs	0.01	0.01
30	Bulk Bin Dust Collector (5)	PM	0.01	0.04
		PM_{10}	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.01	0.02
31	Bulk Loadout System Dust Collector (5)	PM	0.01	0.06
		PM_{10}	0.01	0.06
		$PM_{2.5}$	0.01	0.03
32	Surge Bin Pressure Relief Sock (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
33	No. 1 Rock Bin Vent (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
34	No. 2 Rock Bin Vent (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
35	Roller Mill No. 1 Baghouse Stack (3.5 MMBtu/hr)	PM	0.61	2.69
		PM_{10}	0.61	2.69
		$PM_{2.5}$	0.61	2.69
		VOC (as carbon)	0.02	0.08
		NO_x	0.67	2.94
		SO_2	0.01	0.01
		CO	0.29	1.26
		HAPs	0.01	0.03
36	Roller Mill No. 2 Baghouse Stack (3.5 MMBtu/hr)	PM	0.61	2.69
		PM_{10}	0.61	2.69
		$PM_{2.5}$	0.61	2.69
		VOC (as carbon)	0.02	0.08
		NO_x	0.67	2.94
		SO_2	0.01	0.01
		CO	0.29	1.26
		HAPs	0.01	0.03
PAHEAT	West Line Paper Heaters (5) (0.08 MMBtu/hr)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		VOC (as carbon)	0.01	0.01
		NO_x	0.01	0.03
		SO_2	0.01	0.01
		CO	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		HAPs	0.01	0.01
UNCRSH	East Line Uncrushed Rock Handling Fugitives (5)	PM	2.78	1.74
		PM_{10}	1.16	0.73
		$PM_{2.5}$	0.18	0.11
CRSHBLDG	East Line Crusher Building Fugitives (5)	PM	0.55	0.92
		PM_{10}	0.25	0.42
		$PM_{2.5}$	0.04	0.06
ROCKBELT	East Line Crushed Rock Handling Fugitives (5)	PM	0.49	0.81
		PM_{10}	0.18	0.30
		$PM_{2.5}$	0.03	0.05
ENDTR	East Line End Trim Handling Fugitives (5)	PM	0.04	0.17
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.01	0.01
EMILLBLDG	East Line Mill Building Fugitives (5)	PM	0.12	0.30
		PM_{10}	0.05	0.11
		$PM_{2.5}$	0.01	0.02
NGSTP	East Line Natural Gypsum Stockpile (5)	PM	-	1.99
		PM_{10}	-	0.94
		$PM_{2.5}$	-	0.14
SGSTP	East Line Surge Stockpile (5)	PM	-	1.49
		PM_{10}	-	0.71
		$PM_{2.5}$	-	0.11
CRSHR1 and CRSHR2	East Line Rock Crusher Nos. 1 and 2 Fugitives (5)	PM	0.05	0.08
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.01	0.01
CRSHBH	Natural Rock Dust Collector Stack (3.0 MMBtu/hr)	PM	0.63	2.77
		PM_{10}	0.63	2.77
		$PM_{2.5}$	0.63	2.77
		VOC (as carbon)	0.02	0.07
		NO_x	0.29	1.29
		SO_2	0.01	0.01
		CO	0.67	2.92
		HAPs	0.01	0.02
MILL1DC	Impact Mill No. 1 Baghouse/Dust Collector Stack (50 MMBtu/hr)	PM	1.44	6.31
		PM_{10}	1.44	6.31
		$PM_{2.5}$	1.44	6.31

Emission Sources - Maximum Allowable Emission Rates

		VOC (as propane)	0.60	2.64
		NO_x	3.30	14.45
		SO_2	0.27	1.19
		CO	4.00	17.52
		HAPs	0.09	0.41
MILL2DC	Impact Mill No. 2 Baghouse/Dust Collector Stack (50 MMBtu/hr)	PM	1.44	6.31
		PM_{10}	1.44	6.31
		$PM_{2.5}$	1.44	6.31
		VOC (as propane)	0.60	2.64
		NO_x	3.30	14.45
		SO_2	0.27	1.19
		CO	4.00	17.52
		HAPs	0.09	0.41
TRIMBIN	End Trim Silo Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
ROCKBIN	400T Rock Silo Bin Vent	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
ENDTRIM	End Trim Dust Collector Stack	PM	1.10	4.81
		PM_{10}	1.10	4.81
		$PM_{2.5}$	1.10	4.81
RCKSILO1	Mill 1 Rock Silo Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
RCKSILO2	Mill 2 Rock Silo Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
LPRCKSILO	LP Rock Silo Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
LPSILO	LP Silo Bin Vent	PM	0.16	0.68
		PM_{10}	0.16	0.68
		$PM_{2.5}$	0.16	0.68
SCOOLER	Stucco Cooler Dust Collector	PM	0.20	0.90
		PM_{10}	0.20	0.90

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.20	0.90
STUCBIN1	Stucco Silo Bin Vent #1 (600ST)	PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
STUCBIN2	Stucco Silo Bin Vent #2 (600ST)	PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
STUCDC	Stucco General Dust Collector	PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
GRNDAG	Grinding Agent Day Bin Vent	PM	0.02	0.07
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
LPDAYBIN	LP Day Bin Vent	PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
BMADC	BMA Dust Collector Stack	PM	0.05	0.21
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
STARCHDC	Starch Bulk Silo Bin Vent	PM	0.08	0.35
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.08	0.35
PSTRCHDC	Pregel Starch Bulk Silo Bin Vent	PM	0.08	0.35
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.08	0.35
POTASHBN	Potash Bin Vent (5)	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
PSTRCHBIN	Pregel Starch Bin Vent	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
STRCHBIN	Starch Bin Vent	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.03	0.12
DEXBIN	Dextrose Bin Vent	PM	0.02	0.09
		PM_{10}	0.02	0.09

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.02	0.09
BORICBIN	Boric Acid Bin Vent (5)	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
DRYDC	Dry Additive Bin Vent (5)	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
BAGADD	Combined Bulk Bag Dump Station Additives Fan (5)	PM	0.01	0.04
		PM_{10}	0.01	0.04
		$PM_{2.5}$	0.01	0.04
EDRYADD	Dry Additive Supersack Unloading Hopper (5)	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
DRYER	East Line Wallboard Dryer Stack (243 MMBtu/hr)	PM	14.11	61.82
		PM_{10}	14.11	61.82
		$PM_{2.5}$	14.11	61.82
		VOC (as carbon)	12.88	56.43
		NO_x	16.04	70.25
		SO_2	0.14	0.63
		CO	19.44	85.15
		HAPs	3.24	14.18
WESTINK	West Line Ink Use (5)	VOC (as species)	6.62	2.20
		HAPs	3.06	0.15
EASTINK	East Line Ink Use (5)	VOC (as species)	0.01	0.01

(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
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) 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.
(7) During startup of the electrostatic precipitator (EPN 14), the emissions will be authorized by 30 TAC 106.263.

Emission Sources - Maximum Allowable Emission Rates

(8) Compliance with hourly emission limits for all non-fugitive sources shall be demonstrated on a three-hour average basis.

Date: Draft