

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 1360A and PSDTX632M2

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 (4)	
			lbs/hour	TPY (5)
E1-7	Raw Material Storage Pile	PM	0.10	0.44
		PM ₁₀	0.05	0.22
		PM _{2.5}	0.01	0.03
E1-11	Raw Material Storage Pile	PM	0.05	0.22
		PM ₁₀	0.02	0.11
		PM _{2.5}	<0.01	0.02
E1-12	Quarry Dozing Operations (6)	PM	4.82	12.93
		PM ₁₀	3.56	9.42
		PM _{2.5}	3.56	9.42
E1-24	Primary Crusher (6)	PM	0.17	0.32
		PM ₁₀	0.08	0.15
		PM _{2.5}	0.01	0.02
E1-25	Transfer Point No. 1 (6)	PM	0.08	0.14
		PM ₁₀	0.04	0.07
		PM _{2.5}	0.01	0.01
E1-26	Transfer Point No. 2 (6)	PM	0.08	0.14
		PM ₁₀	0.04	0.07
		PM _{2.5}	0.01	0.01
E1-27	Secondary Crusher (6)	PM	0.29	0.54
		PM ₁₀	0.13	0.24
		PM _{2.5}	0.02	0.05
E1-28	Overland Conveyor Diverter Drop (6)	PM	0.08	0.14
		PM ₁₀	0.04	0.07
		PM _{2.5}	0.01	0.01

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E1-29	Limestone Storage Dome Drops (6)	PM	0.08	0.14
		PM ₁₀	0.04	0.07
		PM _{2.5}	0.01	0.01
E1-30	Underground Belt Feeder Drop (6)	PM	0.24	1.07
		PM ₁₀	0.24	1.07
		PM _{2.5}	0.04	0.16
E1-31	Raw Bins Baghouse	PM	0.75	3.29
		PM ₁₀	0.75	3.29
		PM _{2.5}	0.11	0.50
E1-31A	Limestone Transfer Baghouse	PM	1.14	4.97
		PM ₁₀	1.14	4.97
		PM _{2.5}	0.17	0.75
E1-32	Sand, Drop to Hopper (6)	PM	0.02	0.02
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
E1-32A	Sand Belt Transfer (6)	PM	0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E1-32B	Iron/Sand Belt Weigh Feeder Drop (6)	PM	0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E1-33	Overland Conveyor Transfer No. 3 (6)	PM	0.08	0.14
		PM ₁₀	0.04	0.07
		PM _{2.5}	0.01	0.01
E1-34	Overland Conveyor Transfer No. 4 (6)	PM	0.08	0.14
		PM ₁₀	0.04	0.07
		PM _{2.5}	0.01	0.01
E1-35	Raw Material Storage Pile	PM	0.02	0.11

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		PM ₁₀	0.01	0.05
		PM _{2.5}	<0.01	0.01
E1-36	Raw Material Storage Pile	PM	0.02	0.11
		PM ₁₀	0.01	0.05
		PM _{2.5}	<0.01	0.01
E2-7	Blending Silo Baghouse	PM	0.97	4.23
		PM ₁₀	0.97	4.23
		PM _{2.5}	0.15	0.64
E2-7A	Blending Silo Discharge Baghouse	PM	0.59	2.59
		PM ₁₀	0.59	2.59
		PM _{2.5}	0.09	0.39
E2-7B	Preheater Tower Pneumatic Feed Baghouse	PM	0.79	3.47
		PM ₁₀	0.79	3.47
		PM _{2.5}	0.12	0.53
E2-10A	CKD Drop from Truck (6)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E2-10C	CKD Bin Baghouse	PM	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.05	0.21
E2-10D	Kiln Dust to Scrubber Baghouse	PM	0.16	0.69
		PM ₁₀	0.16	0.69
		PM _{2.5}	0.02	0.10
E2-10F	CKD Drop to Truck (6)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
E2-11A	Dust Bin Baghouse	PM	0.48	2.11
		PM ₁₀	0.48	2.11
		PM _{2.5}	0.07	0.32

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E2-11B	Lime Silo Baghouse	PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.04	0.16
E2-13P	Raw Material Storage Pile	PM	0.37	1.64
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.03	0.12
E2-14A	Loader Drop to Grizzly Screen	PM	0.18	0.09
		PM ₁₀	0.09	0.05
		PM _{2.5}	0.01	0.01
E2-17	Iron Feed System Hopper (6)	PM	0.08	0.06
		PM ₁₀	0.04	0.03
		PM _{2.5}	0.01	<0.01
E2-18P	Raw Material Storage Pile	PM	0.06	0.27
		PM ₁₀	0.03	0.14
		PM _{2.5}	<0.01	0.02
E2-22	Kiln No. 5 Main Stack	NO _x (7)	681.25	2725.00
		SO ₂ (8)	332.25	1329.00
		CO (8)	500.00	1020.10
		PM	69.24	267.77
		PM ₁₀	69.24	267.77
		PM _{2.5}	53.67	225.41
		HCl (7)	27.39	107.97
		H ₂ SO ₄	33.23	103.68
		VOC (7)	19.06	67.10
		TRS (incl. H ₂ S)	2.26	9.90
		Hg (7)	0.13	0.51
		Pb	0.01	0.04
E3-2	No. 3 Tunnel Baghouse (9)	PM	0.19	0.82
		PM ₁₀	0.19	0.82

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		PM _{2.5}	0.03	0.12
E3-3	No. 2 Tunnel Baghouse (9)	PM	0.37	1.63
		PM ₁₀	0.37	1.63
		PM _{2.5}	0.06	0.25
E3-5	No. 1 Tunnel Baghouse (9)	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.02	0.10
E3-6	700 Pan Conveyor Baghouse (9)	PM	0.37	1.63
		PM ₁₀	0.37	1.63
		PM _{2.5}	0.06	0.25
E3-10	Additive Silos Conveyor Drop (6) (9)	PM	0.41	1.78
		PM ₁₀	0.41	1.78
		PM _{2.5}	0.06	0.27
E3-11	707 Belt Tail Pulley (9)	PM	0.28	1.22
		PM ₁₀	0.28	1.22
		PM _{2.5}	0.04	0.19
E3-12	Reclaim Belt Baghouse (6) (9)	PM	0.22	0.98
		PM ₁₀	0.22	0.98
		PM _{2.5}	0.03	0.15
E3-14	Fly Ash Silo Baghouse (9)	PM	0.15	0.64
		PM ₁₀	0.15	0.64
		PM _{2.5}	0.02	0.10
E3-15	South Clinker Group No. 4 Baghouse (9)	PM	0.37	1.63
		PM ₁₀	0.37	1.63
		PM _{2.5}	0.06	0.25
E3-16	Finish Mill No. 1 Baghouse Stack (9)	PM	2.16	9.46
		PM ₁₀	2.16	9.46
		PM _{2.5}	0.33	1.43
E3-17	Finish Mill No. 2 Baghouse Stack (9)	PM	2.16	9.46

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		PM ₁₀	2.16	9.46
		PM _{2.5}	0.33	1.43
E3-18	Finish Mill No. 3 Baghouse Stack (9)	PM	2.16	9.46
		PM ₁₀	2.16	9.46
		PM _{2.5}	0.33	1.43
E3-19	Finish Mill No. 4 Baghouse Stack (9)	PM	2.16	9.46
		PM ₁₀	2.16	9.46
		PM _{2.5}	0.33	1.43
E3-20	Finish Mill No. 5 Feed Baghouse	PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.03	0.12
E3-21	Finish Mill No. 5 Baghouse	PM	0.72	3.16
		PM ₁₀	0.72	3.16
		PM _{2.5}	0.11	0.48
E3-22	780 Head Pulley Baghouse	PM	0.19	0.82
		PM ₁₀	0.19	0.82
		PM _{2.5}	0.03	0.12
E3-23	Lower Reclaim Belt Baghouse (9)	PM	0.22	0.98
		PM ₁₀	0.22	0.98
		PM _{2.5}	0.03	0.15
E3-24	Stacker Belt Sec. 2 Baghouse (9)	PM	0.37	1.63
		PM ₁₀	0.37	1.63
		PM _{2.5}	0.06	0.25
E3-24A	New BH at New Transfer Tower to FM5	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.02	0.10
E3-25	FM No. 6 Transfer Tower Baghouse	PM	0.27	1.17
		PM ₁₀	0.27	1.17
		PM _{2.5}	0.04	0.18

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E3-25-5	No. 5 Finish Mill Fringe Bin	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.02	0.10
E3-31	Finish Tunnel No. 4 Baghouse Stack (9)	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.02	0.10
E3-32	No. 4 Feeder Baghouse Stack (9)	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.02	0.10
E3-33	Clinker Barn West Baghouse	PM	0.28	1.22
		PM ₁₀	0.28	1.22
		PM _{2.5}	0.04	0.19
E3-33A	Clinker Outhaul to FM No. 6 Baghouse (9)	PM	0.25	1.11
		PM ₁₀	0.25	1.11
		PM _{2.5}	0.04	0.17
E3-33E	Transfer Tower Clinker Dust Collector Stack	PM	0.24	1.03
		PM ₁₀	0.24	1.03
		PM _{2.5}	0.04	0.16
E3-34	Surge Collector Baghouse (9)	PM	0.56	2.45
		PM ₁₀	0.56	2.45
		PM _{2.5}	0.08	0.37
E3-35	Head Pulley 700 Pan Baghouse (9)	PM	0.07	0.33
		PM ₁₀	0.07	0.33
		PM _{2.5}	0.01	0.05
E3-37	Nos. 9-10 Clinker Silo Baghouse (9)	PM	0.74	3.26
		PM ₁₀	0.74	3.26
		PM _{2.5}	0.11	0.49
E3-38	Clinker Barn East Tunnel	PM	0.56	2.45
		PM ₁₀	0.56	2.45

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		PM _{2.5}	0.08	0.37
E3-41	East Clinker Door Baghouse	PM	0.56	2.45
		PM ₁₀	0.56	2.45
		PM _{2.5}	0.08	0.37
E3-42	West Clinker Door Baghouse	PM	0.56	2.45
		PM ₁₀	0.56	2.45
		PM _{2.5}	0.08	0.37
E3-43A	No. 1 Finish Mill Feed Belt Cartridge (9)	PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.02	0.10
E3-45	Raw Material Storage Pile	PM	0.04	0.16
		PM ₁₀	0.02	0.08
		PM _{2.5}	<0.01	0.01
E3-50	Additive Hopper, Drop Fugitive (6)(9)	PM	0.02	0.02
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
E3-51	Additive Hopper, Drop to Belt (6) (9)	PM	0.02	0.02
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
E3-51A	Additive Drop to Hopper (6) (9)	PM	0.05	0.07
		PM ₁₀	0.02	0.04
		PM _{2.5}	<0.01	0.01
E3-52	Pan Conveyor Baghouse	PM	0.54	2.38
		PM ₁₀	0.54	2.38
		PM _{2.5}	0.08	0.36
E3-52A	Clinker Discharge Baghouse	PM	0.32	1.40
		PM ₁₀	0.32	1.40
		PM _{2.5}	0.05	0.21
E3-53	Clinker Belt Transfer Baghouse	PM	0.51	2.22

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		PM ₁₀	0.51	2.22
		PM _{2.5}	0.08	0.34
E3-54	Finish Mill No. 6 Bins Baghouse	PM	1.56	6.82
		PM ₁₀	1.56	6.82
		PM _{2.5}	0.24	1.03
E3-55	Finish Mill No. 6 Baghouse	PM	5.76	25.23
		PM ₁₀	2.88	12.61
		PM _{2.5}	0.44	1.91
E3-57	Finish Mill No. 6 Cement Baghouse	PM	0.10	0.44
		PM ₁₀	0.10	0.44
		PM _{2.5}	0.02	0.07
E3-58	New Clinker Barn Exit Belt Dust Collector Stack	PM	0.25	1.10
		PM ₁₀	0.25	1.10
		PM _{2.5}	0.04	0.17
E3-61	New FM#6 Cement Transfer Line to Group 1 Silos Dust Collector Stack	PM	0.45	1.99
		PM ₁₀	0.45	1.99
		PM _{2.5}	0.07	0.30
E3-62	New FM#6 Cement Transfer Line to Group 3 Silos Dust Collector Stack	PM	0.45	1.99
		PM ₁₀	0.45	1.99
		PM _{2.5}	0.07	0.30
E4-1	Finish Silo Group No. 4 Baghouse	PM	0.65	2.84
		PM ₁₀	0.65	2.84
		PM _{2.5}	0.10	0.43
E4-2	Finish Silo Group No. 4 Baghouse	PM	0.65	2.84
		PM ₁₀	0.65	2.84
		PM _{2.5}	0.10	0.43
E4-3	Finish Silo Group No. 3 Baghouse	PM	0.18	0.79
		PM ₁₀	0.18	0.79
		PM _{2.5}	0.03	0.12

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E4-4	Silo Group 3 Baghouse Stack	PM	0.24	1.04
		PM ₁₀	0.24	1.04
		PM _{2.5}	0.04	0.16
E4-5	Finish Silo Group No. 2 Baghouse	PM	0.43	1.90
		PM ₁₀	0.43	1.90
		PM _{2.5}	0.07	0.29
E4-7	Finish Silo Group No. 1 Baghouse	PM	0.22	0.95
		PM ₁₀	0.22	0.95
		PM _{2.5}	0.03	0.14
E4-8	Finish Silo Group No. 1 Baghouse	PM	0.12	0.51
		PM ₁₀	0.12	0.51
		PM _{2.5}	0.02	0.08
E4-9	Rail Loading Baghouse	PM	0.03	0.14
		PM ₁₀	0.03	0.14
		PM _{2.5}	<0.01	0.02
E4-10	Rail System Baghouse	PM	0.38	1.66
		PM ₁₀	0.38	1.66
		PM _{2.5}	0.06	0.25
E4-11	Rail Loading No. 3 Baghouse	PM	0.12	0.52
		PM ₁₀	0.12	0.52
		PM _{2.5}	0.02	0.08
E4-12	FM No. 6 Transfer Baghouse	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.07	0.30
E4-13	Truck Loadout Baghouse	PM	0.05	0.22
		PM ₁₀	0.05	0.22
		PM _{2.5}	0.01	0.03
E4-16	Truck Loadout No. 2 Baghouse	PM	0.31	1.34
		PM ₁₀	0.31	1.34

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		PM _{2.5}	0.05	0.20
E4-17	Truck Loadout No.1 Baghouse	PM	0.31	1.34
		PM ₁₀	0.31	1.34
		PM _{2.5}	0.05	0.20
E4-18	Truck Loading Baghouse	PM	0.31	1.34
		PM ₁₀	0.31	1.34
		PM _{2.5}	0.05	0.20
E4-19	Packhouse Elevator Baghouse	PM	0.20	0.87
		PM ₁₀	0.20	0.87
		PM _{2.5}	0.03	0.13
E4-21	Masonry Rail Loadout	PM	0.03	0.14
		PM ₁₀	0.03	0.14
		PM _{2.5}	<0.01	0.02
E4-22	Truck Loadout Baghouse	PM	0.27	1.18
		PM ₁₀	0.27	1.18
		PM _{2.5}	0.04	0.18
E4-23	Finish Silo Group No. 3 Baghouse Stack	PM	0.22	0.95
		PM ₁₀	0.22	0.95
		PM _{2.5}	0.03	0.14
E4-24	No. 5 Bin Baghouse	PM	0.25	1.11
		PM ₁₀	0.25	1.11
		PM _{2.5}	0.04	0.17
E4-26	No. 6 Bin Baghouse	PM	0.25	1.11
		PM ₁₀	0.25	1.11
		PM _{2.5}	0.04	0.17
E4-28	No. 3 Load-out Spout Baghouse	PM	0.18	0.79
		PM ₁₀	0.18	0.79
		PM _{2.5}	0.03	0.12
E6-1	Coal Drop from Railcar to Rail Hopper (6)	PM	0.12	0.11

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		PM ₁₀	0.06	0.06
		PM _{2.5}	0.01	0.01
E6-2	Coal Drop from Rail Hopper to Belt (6)	PM	0.12	0.11
		PM ₁₀	0.06	0.06
		PM _{2.5}	0.01	0.01
E6-4	Solid Fuel Storage Pile (6)	PM	0.10	0.44
		PM ₁₀	0.05	0.22
		PM _{2.5}	0.01	0.03
E6-9	Coal Loader Drop to Hopper (6)	PM	0.07	0.11
		PM ₁₀	0.04	0.06
		PM _{2.5}	<0.01	0.01
E6-10	Coal Crusher (6)	PM	0.03	0.04
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	<0.01
E6-15	Coal Drop to Belt	PM	0.03	0.04
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	<0.01
E6-18	Coal Drop to Stacker Belt (6)	PM	0.05	0.04
		PM ₁₀	0.03	0.02
		PM _{2.5}	<0.01	<0.01
E6-27	Solid Fuel Conveyor Diverter Baghouse	PM	0.48	2.11
		PM ₁₀	0.48	2.11
		PM _{2.5}	0.07	0.32
E6-28	Solid Fuel Mill Bin Baghouse	PM	0.12	0.52
		PM ₁₀	0.12	0.52
		PM _{2.5}	0.02	0.08
E6-31	Coal Fines Bin Baghouse	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	0.01

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E7-01	Gypsum Hopper Drop (6)	PM	0.03	0.03
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
E7-01A	Additive Hopper	PM	0.07	0.07
		PM ₁₀	0.03	0.03
		PM _{2.5}	0.01	0.01
E7-02	Gypsum Hopper Dust Collector Stack	PM	0.26	1.15
		PM ₁₀	0.26	1.15
		PM _{2.5}	0.04	0.17
E7-02A	Additive Hopper Dust Collector Stack	PM	0.22	0.97
		PM ₁₀	0.22	0.97
		PM _{2.5}	0.03	0.15
E7-04	Clinker Bin A & B Dust Collector Stack	PM	0.12	0.53
		PM ₁₀	0.12	0.53
		PM _{2.5}	0.02	0.08
E7-05	Clinker Bin A & B Discharge Dust Collector Stack	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.02	0.10
E7-05A	Gypsum Weighfeeder and Mill Feed Belt Dust Collector Stack	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.02	0.10
E7-05B	Limestone Weighfeeder and Mill Feed Belt Dust Collector Stack	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.02	0.10
E7-05C	Additive Bin 4 - Weighfeeder and FM7 Feed Belt Dust Collector Stack	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.02	0.10
E7-06	LS/Gypsum Bin Dust Collector Stack	PM	0.17	0.75
		PM ₁₀	0.17	0.75

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		PM _{2.5}	0.03	0.11
E7-07	Limestone Bin Dust Collector Stack	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.02	0.10
E7-07A	Additive Bin 4 – Top Dust Collector Stack	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.02	0.10
E7-09	CKD Bin Vent Receiving from Kiln #5 Dust Collector Stack	PM	0.18	0.80
		PM ₁₀	0.18	0.80
		PM _{2.5}	0.03	0.12
E7-09A	CKD from Kiln #5 Transfer Tower Dust Collector Stack	PM	0.18	0.80
		PM ₁₀	0.18	0.80
		PM _{2.5}	0.03	0.12
E7-10	Finish Mill No. 7 Material Feed Dust Collector Stack (mill feed and recirc)	PM	0.13	0.59
		PM ₁₀	0.13	0.59
		PM _{2.5}	0.02	0.09
E7-10A	Mill Recirculation Circuit Dust Collector Stack	PM	0.05	0.24
		PM ₁₀	0.05	0.24
		PM _{2.5}	0.01	0.04
E7-11	Finish Mill No. 7 Dust Collector Stack	PM	7.73	33.84
		PM ₁₀	7.73	33.84
		PM _{2.5}	2.05	8.97
E7-12	Finish Mill No. 7 Airslides/Bucket Elevator Dust Collector Stack	PM	0.17	0.74
		PM ₁₀	0.17	0.74
		PM _{2.5}	0.03	0.11
E7-13	Finish Mill No. 7 Airslides/Cement Coolers Dust Collector Stack	PM	0.12	0.52
		PM ₁₀	0.12	0.52
		PM _{2.5}	0.02	0.08
E7-15	Cement Silo 1 Dust Collector Stack	PM	0.12	0.53

Emission Sources - Maximum Allowable Emission Rates

		PM ₁₀	0.12	0.53
		PM _{2.5}	0.02	0.08
E7-16	Cement Silo 2 Dust Collector Stack	PM	0.48	2.10
		PM ₁₀	0.48	2.10
		PM _{2.5}	0.07	0.32
E7-17	Cement Silo 3 Dust Collector Stack	PM	0.12	0.53
		PM ₁₀	0.12	0.53
		PM _{2.5}	0.02	0.08
E7-18	Cement Silo 1 Truck Loadout A Dust Collector Stack	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01
E7-19	Cement Silo 1 Truck Loadout B Dust Collector Stack	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01
E7-20	Cement Silo 2 Truck Loadout A Dust Collector Stack	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01
E7-21	Cement Silo 2 Truck Loadout B Dust Collector Stack	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01
E7-22	Cement Silo 3 Truck Loadout A Dust Collector Stack	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01
E7-23	Cement Silo 3 Truck Loadout B Dust Collector Stack	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	<0.01	<0.01
E7-24	Limestone/Gypsum/Additive Pile (6)	PM	0.05	0.23
		PM ₁₀	0.03	0.11
		PM _{2.5}	<0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

SYNGYP7	Synthetic Gypsum Storage Pile (includes 5 drop points) (6)	PM	0.02	0.07
		PM ₁₀	0.01	0.03
		PM _{2.5}	<0.01	0.01
ALTF-1	Alt. Solid Fuels Truck Drop to Hopper (6)	PM	0.01	0.02
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
ALTF-2	Alt. Solid Fuels Screw Drop to Alt Fuel Belt 1 (6)	PM	<0.01	0.02
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
ALTF-3	Alt. Solid Fuels Belt 1 Drop to Belt 2 (6)	PM	<0.01	0.02
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
ALTF-4	Alt. Solid Fuels Belt 2 Drop to Belt 3 (6)	PM	<0.01	0.02
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
ALTF-5	Alt. Solid Fuels Belt 3 Drop to Tower Hopper Screws (6)	PM	<0.01	0.02
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
ALTF-6	Alt. Solid Fuels Hopper Screws to Belt 4 (6)	PM	<0.01	0.02
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
ALTF-7	Alt. Solid Fuels Belt 4 Drop to Belt 5 (6)	PM	<0.01	0.02
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
ALTF-8	Alt. Solid Fuels Belt 5 Drop to Feed Screw (6)	PM	<0.01	0.02
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
ALTM-1	Alternate Raw Material Loader Drop to Hopper (6)	PM	0.03	0.01
		PM ₁₀	0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	<0.01	<0.01
ALTM-2	Alternate Raw Material Hopper Drop to Belt (6)	PM	0.03	0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BIO-P-1	Alt. Solid Fuels Storage Pile	PM	0.04	0.18
		PM ₁₀	0.02	0.09
		PM _{2.5}	<0.01	0.01
CAT-P-1	Alt. Raw Material Storage Pile	PM	0.04	0.18
		PM ₁₀	0.02	0.09
		PM _{2.5}	<0.01	0.01
CKDL-2	CKD Pile	PM	0.15	0.65
		PM ₁₀	0.07	0.33
		PM _{2.5}	0.01	0.05
FLTC-P-1	Alt. Raw Material Storage Pile	PM	0.04	0.18
		PM ₁₀	0.02	0.09
		PM _{2.5}	<0.01	0.01
IRN-P-1	Alt. Raw Material Storage Pile	PM	0.04	0.18
		PM ₁₀	0.02	0.09
		PM _{2.5}	<0.01	0.01
WB-P-1	Alt. Raw Material Storage Pile	PM	0.04	0.18
		PM ₁₀	0.02	0.09
		PM _{2.5}	<0.01	0.01
WD-P-1	Alt. Raw Material Storage Pile	PM	0.04	0.18
		PM ₁₀	0.02	0.09
		PM _{2.5}	<0.01	0.01
MSSFUG	Inherently Low-Emitting Planned Maintenance Activities (6)	PM	1.47	1.25
		PM ₁₀	0.90	0.92
		PM _{2.5}	0.31	0.36
		NO _x	0.02	<0.01

Emission Sources - Maximum Allowable Emission Rates

	CO	0.50	<0.01
	SO ₂	0.01	0.01
	VOC	1.45	<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 § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - 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
 - TRS - total reduced sulfur
 - H₂S - hydrogen sulfide
 - HCl - hydrogen chloride
 - H₂SO₄ - sulfuric acid
 - Hg - mercury
 - Pb - lead
 - CKD - Cement Kiln Dust
- (4) Planned maintenance, startup, and shutdown (MSS) emissions are included.
- (5) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (7) Compliance is based on a 30-day rolling average excluding periods of startup / shutdown.
- (8) Compliance is based on a 24-hr rolling average excluding periods of startup / shutdown.
- (9) Sources will be removed after installation of Finish Mill No. 7 and associated equipment.

Date: January 20, 2023