Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 6758 and PSDTX145M2

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)
AL-233-BH15	Kiln No. 2 Baghouse 15	NO_X	232.50	958.13
		CO	310.00	1066.71
		VOC	15.50	51.10
		PM (7)	29.14	63.76
		PM_{10} (7)	28.64	61.59
		$PM_{2.5}$ (7)	13.11	28.69
		SO_2	8.80	36.28
		H_2SO_4	2.78	1.74
		NH_3	34.34	150.42
		HCl (7)	6.30	27.60
		Pb	0.002	0.007
		HF	0.29	1.21
		Hg (7)	0.003	0.01
AL-503-BH62	FM3 Heater	NO_X	1.96	4.41
		CO	1.65	3.71
		VOC	0.11	0.24
		PM	17.36	76.03
		PM_{10}	14.58	63.87
		$PM_{2.5}$	4.34	19.01
		SO_2	0.59	1.32
Q-1	Quarry Limestone Mining Fugitives (6)	PM	5.29	11.94
		PM_{10}	3.97	8.96
		$PM_{2.5}$	0.56	1.25
Q-2	Quarry Limestone	PM	0.58	2.12

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	Mining Pile (6)	PM_{10}	0.29	1.06
		$PM_{2.5}$	0.12	0.42
Q-4	Quarry Loader Drop to Truck (6)	PM	0.65	1.35
		PM_{10}	0.31	0.64
		$PM_{2.5}$	0.05	0.10
Q-6	Outside Shale Stockpile (6)	PM	0.30	1.08
		PM_{10}	0.15	0.54
		$PM_{2.5}$	0.06	0.22
Q-7	Outside Limestone Stockpile (6)	PM	0.59	2.17
		PM_{10}	0.30	1.08
		$PM_{2.5}$	0.12	0.43
Q-9	Limestone Truck Dump to Hopper (6)	PM	0.11	0.41
		PM_{10}	0.05	0.19
		$PM_{2.5}$	<0.01	0.03
Q-10	Loader Drop to Outside Raw Hoppers (6)	PM	0.11	0.41
		PM_{10}	0.05	0.19
		$PM_{2.5}$	<0.01	0.03
Q12	Limestone Screener Pile	PM	0.08	0.36
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.01	0.03
Q13	Limestone Screener	PM	1.80	0.19
		PM_{10}	1.10	0.11
		$PM_{2.5}$	0.17	0.02
		NO_X	0.09	0.05
		CO	1.08	0.65
		VOC	0.04	0.02
		SO_2	0.27	0.16
		HAPs	0.0036	0.0021
Q14	Limestone Screener to Belts	PM	0.78	0.06
		PM_{10}	0.37	0.03
		$PM_{2.5}$	0.06	<0.01

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Q15	Limestone Fines Pile	PM	0.04	0.18
		PM_{10}	0.02	0.09
		$PM_{2.5}$	<0.01	0.01
Q16	Drop to Limestone Fines Haul Truck	PM	0.78	0.02
		PM_{10}	0.37	0.01
		$PM_{2.5}$	0.06	<0.01
Q18	Screened Limestone Pile	PM	0.08	0.36
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.01	0.03
Q19	Drop to Masonry Limestone Haul Truck	PM	0.78	0.06
		PM_{10}	0.37	0.03
		$PM_{2.5}$	0.06	<0.01
B-06	Existing Crusher Baghouse B-6	PM	1.22	4.09
		PM_{10}	1.02	3.44
		$PM_{2.5}$	0.30	1.02
C-07	Belt Drop to Reversible Belt (6)	PM	0.06	0.21
		PM_{10}	0.03	0.10
		$PM_{2.5}$	<0.01	0.02
C-08	Return Belt Drop to Crusher Hopper (6)	PM	0.06	0.21
		PM_{10}	0.03	0.10
		$PM_{2.5}$	<0.01	0.02
D-01	Limestone Storage Building Fugitives (6)	PM	0.12	0.44
		PM_{10}	0.06	0.21
		$PM_{2.5}$	<0.01	0.03
D-04	Belt Drop to Limestone Bin (6)	PM	0.04	0.16
		PM_{10}	0.02	0.08
		$PM_{2.5}$	<0.01	0.01
D-05	Limestone Bin Drop to Mill Belt (6)	PM	0.04	0.16
		PM_{10}	0.02	0.08
		$PM_{2.5}$	<0.01	0.01
D-11	Shale Storage Building Fugitives (6)	PM	0.03	0.09
		PM_{10}	0.01	0.04

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		$PM_{2.5}$	<0.01	<0.01
D-14	Belt Drop to Shale Bin (6)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
D-15	Shale Bin Drop to Mill Belt (6)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
D-16	FE Loader Drop to Hopper (6)	PM	0.95	3.47
		PM_{10}	0.45	1.64
		$PM_{2.5}$	0.07	0.25
D-20	Sand/Additive Conveyor Drop to Hopper (6)	PM	0.26	0.93
		PM_{10}	0.12	0.44
		$PM_{2.5}$	0.02	0.07
E-01	Raw By-Pass Drop to Shed (6)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
E-03	Belt Drop to Raw Mill Bin (6)	PM	0.01	0.06
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
M-21	Gypsum Weighfeeder to Belt #1 (6)	PM	0.09	0.07
		PM_{10}	0.04	0.03
		$PM_{2.5}$	0.01	0.01
M-23	Gypsum Dragchain to Belt #2 (6)	PM	0.09	0.07
		PM_{10}	0.04	0.03
		$PM_{2.5}$	0.01	0.01
M-24	Limestone Weighfeeders, Belt #1 (6)	PM	0.09	0.07
		PM_{10}	0.04	0.03
		$PM_{2.5}$	0.01	0.01
M-25	Limestone Weighfeeders, Belt #2 (6)	PM	0.09	0.07
		PM_{10}	0.04	0.03
		$PM_{2.5}$	0.01	0.01
S-07	Belt Drop to Coal	PM	0.01	0.04

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	Shuttle Belt (6)	PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
S-08	Coal/Coke Storage Building Fugitives (6)	PM	0.01	0.04
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
S-11	Drop to Impact Belt, East Pile (6)	PM	0.03	0.12
		PM_{10}	0.02	0.06
		$PM_{2.5}$	<0.01	<0.01
S-13	Drop to Impact Belt, West Pile (6)	PM	0.03	0.12
		PM_{10}	0.02	0.06
		$PM_{2.5}$	<0.01	<0.01
S-18	Impact Belt Drop to Mill Belt (6)	PM	0.01	0.04
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
S-20	Mill Belt Drop to Feeder Bin (6)	PM	0.01	0.04
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
D-99	Sand Storage Pile (6)	PM	0.86	3.13
		PM_{10}	0.43	1.57
		$PM_{2.5}$	0.17	0.63
M-98	Additives Storage Pile (6)	PM	0.20	0.72
		PM_{10}	0.10	0.36
		$PM_{2.5}$	0.04	0.14
D-98	Sand/Iron Storage Pile Drop/Pick-up (6)	PM	0.13	0.47
		PM_{10}	0.06	0.22
		$PM_{2.5}$	0.01	0.03
D36	Bottom Ash Bin Baghouse	PM	0.72	3.14
		PM_{10}	0.60	2.64
		$PM_{2.5}$	0.18	0.79
D-28	Limestone Bin Baghouse	PM	0.67	2.93
		PM_{10}	0.56	2.46
		$PM_{2.5}$	0.17	0.73

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AL-201-BH2	Chalk Storage Feed Conveyor BH 2	PM	0.09	0.41
		PM_{10}	0.08	0.35
		$PM_{2.5}$	0.02	0.10
AL-201-BH3	New Chalk Storage Dome BH3	PM	0.16	0.70
		PM_{10}	0.13	0.59
		$PM_{2.5}$	0.04	0.17
AL-201-BH4	R-Sand Inlet Conveyor Storage Bin BH4	PM	0.16	0.68
		PM_{10}	0.13	0.57
		$PM_{2.5}$	0.04	0.17
AL-201-BH5	Chalk Storage Dome Conveyor BH5	PM	0.16	0.71
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.04	0.18
AL-201-BH6	Chalk Storage Dome Conveyor BH6	PM	0.16	0.71
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.04	0.18
AL-201-BH7	Chalk Storage 2nd Conveyor Drop BH7	PM	0.16	0.71
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.04	0.18
AL-201-BH8	Bottom Ash Storage Bin Drop BH8	PM	0.17	0.74
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.04	0.19
AL-201-BH9	Additive Drop Conveyor BH9	PM	0.17	0.74
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.04	0.19
AL-233-BH14	Raw Mill System No. 2 BH14	PM	0.27	1.16
		PM_{10}	0.22	0.98
		$PM_{2.5}$	0.07	0.29
AL-233-MF-6000	Reject Bin Drop to Front Loader (6)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
AL-233-BH11	1st RM 3 Feed Conveyor Drop BH11	PM	0.17	0.74
		PM_{10}	0.14	0.62

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.04	0.19
AL-241-BH25	Blending & Raw Mix Storage BH25	PM	0.12	0.54
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.03	0.13
AL-241-BH26	Blending & Raw Mix Storage BH26	PM	0.12	0.54
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.03	0.13
AL-241-BH27	Blending & Raw Mix Storage BH27	PM	0.12	0.54
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.03	0.13
AL-241-BH28	Blending & Raw Mix Storage BH28	PM	0.12	0.54
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.03	0.13
AL-241-BH29	Blending & Raw Mix Storage BH29	PM	0.12	0.54
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.03	0.13
AL-241-BH30	Blending & Raw Mix Storage BH30	PM	0.12	0.54
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.03	0.13
AL-302-BH20	Kiln No. 2 Feed System BH20	PM	0.22	0.98
		PM_{10}	0.19	0.82
		$PM_{2.5}$	0.06	0.25
AL-302-BH21	Kiln No. 2 Feed System BH21	PM	0.14	0.63
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.04	0.16
AL-302-BH22	Kiln No. 2 Feed System BH22	PM	0.12	0.54
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.03	0.13
AL-302-BH23	Kiln No. 2 Feed System BH23	PM	0.12	0.54
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.03	0.13
AL-330-BH35	Clinker Conveying &	PM	0.14	0.62

Emission Sources - Maximum Allowable Emission Rates

	Storage BH35	PM_{10}	0.12	0.52
		$PM_{2.5}$	0.04	0.15
AL-330-BH36	Clinker Conveying & Storage BH36	PM	0.14	0.62
		PM_{10}	0.12	0.52
		$PM_{2.5}$	0.04	0.15
AL-330-BH37	Clinker Conveying & Storage BH37	PM	0.08	0.36
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.02	0.09
AL-330-BH38	Clinker Conveying & Storage BH38	PM	0.41	1.81
		PM_{10}	0.35	1.52
		$PM_{2.5}$	0.10	0.45
CLS	Clinker Storage Pile (6)	PM	0.10	0.36
		PM_{10}	0.05	0.18
		$PM_{2.5}$	0.02	0.07
CCS	Coal/Coke Stockpiles (6)	PM	0.46	1.66
		PM_{10}	0.23	0.83
		$PM_{2.5}$	0.09	0.33
AL-330-BH40	Clinker Conveying & Storage BH40	PM	0.09	0.38
		PM_{10}	0.07	0.32
		$PM_{2.5}$	0.02	0.10
AL-330-BH41	Clinker Conveying & Storage BH41	PM	0.14	0.62
		PM_{10}	0.12	0.52
		$PM_{2.5}$	0.04	0.15
AL-330-BH42	Clinker Conveying & Storage BH42	PM	0.14	0.62
		PM_{10}	0.12	0.52
		$PM_{2.5}$	0.04	0.15
AL-330-BH43	Clinker Conveying & Storage BH43	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-330-BH44	Clinker Conveying & Storage BH44	PM	0.18	0.77
		PM_{10}	0.15	0.65
		$PM_{2.5}$	0.04	0.19

Emission Sources - Maximum Allowable Emission Rates

AL-330-BH45	Clinker Conveying & Storage BH45	PM	0.17	0.74
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.04	0.18
AL-330-BH46	Clinker Conveying & Storage BH46	PM	0.17	0.74
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.04	0.18
AL-330-BH47	Clinker Conveying & Storage BH47	PM	0.17	0.74
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.04	0.18
AL-330-BH48	Clinker Conveying & Storage BH48	PM	0.17	0.74
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.04	0.18
AL-330-BH49	Clinker Conveying & Storage BH49	PM	0.17	0.74
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.04	0.18
AL-530-BH64	Cement Silos 1st Inlet Conveyor BH64	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-330-BH51	Clinker Conveying & Storage BH51	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-330-BH52	Clinker Conveying & Storage BH52	PM	0.17	0.74
		PM_{10}	0.14	0.62
		$PM_{2.5}$	0.04	0.18
M-01	Loader Drop to Additive Hopper (6)	PM	0.83	3.03
		PM_{10}	0.39	1.43
		$PM_{2.5}$	0.06	0.22
M-02	Additive Belt Baghouse M-02	PM	0.19	0.85
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.05	0.21
M-04	Additive Belt Baghouse M-04	PM	0.12	0.51
		PM_{10}	0.10	0.43

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.03	0.13
M-06	Reversible Belt/Gyp Bin Baghouse M-06	PM	0.19	0.85
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.05	0.21
M-09	Clinker/Limestone Bins Baghouse M-09	PM	0.23	1.03
		PM_{10}	0.20	0.86
		$PM_{2.5}$	0.06	0.26
M-10	Special Clinker Bin Baghouse M-10	PM	0.16	0.70
		PM_{10}	0.13	0.59
		$PM_{2.5}$	0.04	0.18
AL-503-BH60	Finish Mill #3 Grinding BH60	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-503-BH61	Finish Mill #3 Grinding BH61	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-503-BH63	Finish Mill #3 Grinding BH63	PM	0.13	0.56
		PM_{10}	0.11	0.47
		$PM_{2.5}$	0.03	0.14
AL-530-BH65	Cement Silos BH65	PM	0.13	0.56
		PM_{10}	0.11	0.47
		$PM_{2.5}$	0.03	0.14
AL-530-BH66	Cement Silos BH66	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-530-BH67	Cement Silos BH67	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
R-08	Silo #1 Loadout Baghouse	PM	0.11	0.49
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.03	0.12
R-18	Silo #2 Loadout	PM	0.11	0.49

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	Baghouse	PM_{10}	0.09	0.41
		$PM_{2.5}$	0.03	0.12
R-28	Silo #3 Loadout Baghouse	PM	0.11	0.49
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.03	0.12
R-38	Silo #8 through #11 Loadout Baghouse	PM	0.11	0.49
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.03	0.12
R-48	Silo #4 through #7 Loadout Baghouse	PM	0.11	0.49
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.03	0.12
R-58	Silo #12 through #15 Loadout Baghouse	PM	0.11	0.49
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.03	0.12
AL-530-6000-BH68	New Silo #16 Loadout BH68	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-530-6000-BH69	New Silo #17 Loadout BH69	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-530-6000-BH70	Cement Silo #18 Inlet Drop BH70	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-530-6000-BH71	Cement Silo #19 Inlet Drop BH71	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-530-6000-BH72	Cement Silo #18 Loadout BH72	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16
AL-530-6000-BH73	Cement Silo #19 Loadout BH73	PM	0.15	0.65
		PM_{10}	0.12	0.55
		$PM_{2.5}$	0.04	0.16

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S-44	Coal/Coke Unloading Baghouse	PM	0.47	2.07
		PM_{10}	0.40	1.74
		$PM_{2.5}$	0.12	0.52
S-98	Coal/Coke Drop to Hopper (6)	PM	0.02	0.07
		PM_{10}	<0.01	0.04
		$PM_{2.5}$	<0.01	<0.01
S-56	Coal Bin Baghouse	PM	0.44	1.93
		PM_{10}	0.37	1.62
		$PM_{2.5}$	0.11	0.48
S-30	Coal Mill Baghouse	PM	1.57	6.89
		PM_{10}	1.32	5.79
		$PM_{2.5}$	0.39	1.72
AL-354-BH55	Coal Mill System BH55	PM	2.14	9.35
		PM_{10}	1.79	7.86
		$PM_{2.5}$	0.53	2.34
L-13	Hot Clinker Baghouse	PM	0.27	1.17
		PM_{10}	0.22	0.98
		$PM_{2.5}$	0.07	0.29
L-14	Dome 1 Baghouse	PM	0.28	1.23
		PM_{10}	0.24	1.03
		$PM_{2.5}$	0.07	0.31
L-15	Dome 1 Bottom Baghouse Stack	PM	0.21	0.94
		PM_{10}	0.18	0.79
		$PM_{2.5}$	0.05	0.23
L-16	Truck Loadout Silo Baghouse	PM	0.64	2.81
		PM_{10}	0.54	2.36
		$PM_{2.5}$	0.16	0.70
L-18	Clinker Dome 2 Bottom Baghouse Stack	PM	0.13	0.56
		PM_{10}	0.11	0.47
		$PM_{2.5}$	0.03	0.14
L-19	Dome 2 Baghouse	PM	0.07	0.33
		PM_{10}	0.06	0.28

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		$PM_{2.5}$	0.02	0.08
S54	Solid Fuel Mill Pumps Baghouse	PM	0.06	0.25
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.01	0.06
MSS-KL2	Kiln Line No. 2 MSS Emissions (6)	NO_X	1.28	0.19
		CO	2.69	0.21
		VOC	2.35	0.01
		PM	11.37	1.37
		PM_{10}	8.85	1.18
		$PM_{2.5}$	4.64	0.54
		SO_2	0.01	0.01
NH3TK-1	Ammonia Storage Tank No. 1 (6)	NH_3	5.33	0.11
NH3TK-2	Ammonia Storage Tank No. 2 (6)	NH_3	5.33	0.11
K-2/K-19	Existing Kiln No. 1	PM (7)	36.33	152.59
		PM_{10} (7)	36.33	152.59
		$PM_{2.5}$ (7)	16.35	68.67
		NO_X	550.00	1567.61
		SO_2	20.00	84.00
		VOC	15.00	63.00
		CO	460.00	1932.00
		HCl	2.00	8.76
		H_2SO_4	2.00	8.40
F-11	Blending Silo Baghouse	PM	0.82	3.46
		PM_{10}	0.69	2.90
		$PM_{2.5}$	0.21	0.87
F-12	Return Elevator Baghouse	PM	0.21	0.86
		PM_{10}	0.17	0.73
		$PM_{2.5}$	0.05	0.22
H-06	Aeropol Feed Baghouse	PM	0.14	0.58
		PM_{10}	0.12	0.48
		$PM_{2.5}$	0.03	0.14

Emission Sources - Maximum Allowable Emission Rates

H-07	Elevator Baghouse	PM	0.16	0.69
		PM_{10}	0.14	0.58
		$PM_{2.5}$	0.04	0.17
L-12	Clinker Elevator Baghouse	PM	0.36	1.53
		PM_{10}	0.31	1.28
		$PM_{2.5}$	0.09	0.38
M-28	Clinker Feeder Belt Baghouse Stack	PM	0.33	1.40
		PM_{10}	0.33	1.40
		$PM_{2.5}$	0.08	0.35
M-29	Clinker Feeder Belt Baghouse Stack	PM	0.25	1.04
		PM_{10}	0.25	1.04
		$PM_{2.5}$	0.06	0.26
M-32	Special Clinker Feeder Belt Baghouse	PM	0.25	1.04
		PM_{10}	0.25	1.04
		$PM_{2.5}$	0.06	0.26
M-33	Special Clinker Feeder Belt Baghouse	PM	0.25	1.04
		PM_{10}	0.25	1.04
		$PM_{2.5}$	0.06	0.26
N-09	FM No. 1 Elevator Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
N-13	FM No. 1 Separator Baghouse Stack	PM	2.02	8.46
		PM_{10}	1.01	4.23
		$PM_{2.5}$	0.50	2.12
N-20	Fly Ash Bins Baghouse Stack	PM	0.14	0.58
		PM_{10}	0.12	0.48
		$PM_{2.5}$	0.03	0.14
N-22	FM No. 1 Airslides Baghouse Stack	PM	0.58	2.42
		PM_{10}	0.29	1.21
		$PM_{2.5}$	0.14	0.60
N-59	FM No. 2 Elevator Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.04	0.16
N-63	FM No. 2 Separator Baghouse Stack	PM	2.02	8.46
		PM_{10}	1.01	4.23
		$PM_{2.5}$	0.50	2.12
N-69	FM No. 2 Airslides Baghouse Stack	PM	0.58	2.42
		PM_{10}	0.29	1.21
		$PM_{2.5}$	0.14	0.60
N-94a	FM No. 1 Belt Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
N-94b	FM No. 1 Belt Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
N-95	FM No. 2 Belt Baghouse Stack	PM	0.25	1.04
		PM_{10}	0.25	1.04
		$PM_{2.5}$	0.06	0.26
N-96	Silo #12 through #15 Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
N-97	Silo #4 through #7 Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
N-98	Silo #2 Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
N-99	Silo #1 Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
N-100	Silo #3 Baghouse Stack	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
N-101	Silo #8 through #11	PM	0.15	0.63

Emission Sources - Maximum Allowable Emission Rates

	Baghouse Stack	PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
R-70	Rotary Bagging Elevator Baghouse Stack	PM	1.01	4.23
		PM_{10}	0.85	3.56
		$PM_{2.5}$	0.25	1.06
R-90	Manned Bagger Elevator Baghouse Stack	PM	1.01	4.23
		PM_{10}	0.85	3.56
		$PM_{2.5}$	0.25	1.06
MSSFUG1	Inherently Low Emitting (ILE) Planned Maintenance Activities (6)	NO_X	<0.01	<0.01
		PM	0.77	0.64
		PM_{10}	0.55	0.63
		$PM_{2.5}$	0.24	0.31
		VOC	2.35	<0.01
MSSFUG2	Non-ILE Planned Maintenance Activities (6)	NO_X	1.27	0.18
		CO	2.69	0.21
		PM	10.60	0.73
		PM_{10}	8.30	0.55
		$PM_{2.5}$	4.40	0.23

(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
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
Pb - lead
HCl - hydrogen chloride
HF - hydrogen fluoride
Hg - mercury
(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 an enforceable limit. Fugitive emission compliance will be demonstrated through compliance with the applicable special condition(s) and permit application representations.
(7) Compliance is based on a 30 operating day rolling average excluding periods of startup / shutdown (SU/SD) as defined in 40 CFR §63.1341.

Emission Sources - Maximum Allowable Emission Rates

Date: August 3, 2022

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX143

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
AL-233-BH15	Kiln No. 2 Baghouse 15	CH_4 (5)	64
		N_2O (5)	9
		CO_2 (5)	1,213,625
		CO_2e	1,218,008
AL-503-BH62	FM3 Heater / Grinding BH 62	CH_4 (5)	<1
		N_2O (5)	<1
		CO_2 (5)	5,294
		CO_2e	5,305
K-2/K-19	Kiln No. 1	CH_4 (5)	50
		N_2O (5)	7
		CO_2 (5)	937,470
		CO_2e	940,856
MSS-KL2	Kiln Line No. 2 MSS Emissions	CO_2 (5)	14
		CO_2e	14

(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) CO_2 - carbon dioxide
N_2O - nitrous oxide
CH_4 - methane
CO_2e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):
CO_2 (1), N_2O (298), CH_4 (25), SF_6 (22,800), HFC (various), PFC (various)
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date: June 13, 2017