Emission Sources - Maximum Allowable Emission Rates

Permit Number 5296 and PSDTX24M2

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 (5)	
			lbs/hour	TPY (4)
GBH-1	Kiln No. 1 Baghouse (6)	PM	13.69	59.95
		PM_{10}	13.69	59.95
		$PM_{2.5}$	10.77	47.19
		NO_x (8)	358.00	792.05
		SO_2 (8)	75.00	237.62
		VOC (8)	20.00	87.60
		CO (8)	200.00	876.00
		H_2SO_4	7.50	32.85
		HCl (8)	5.82	25.51
		NH_3 (8)	5.10	22.34
		Pb	0.01	0.02
GID34EX	Kiln No. 2 Stack	PM	22.00	96.40
		PM_{10}	10.00	43.80
		$PM_{2.5}$	10.00	43.80
		NO_x (8)	446.40	354.12
		SO_2 (8)	87.00	252.95
		VOC (8)	15.10	66.10
		CO (8)	95.90	420.00
		H_2SO_4	0.40	1.60
		NH_3 (8)	5.60	24.53
KILN3	Kiln No. 3	PM	41.25	173.25
		PM_{10}	41.25	173.25
		$PM_{2.5}$	38.50	161.70
		NO_x (8)	206.25	866.25

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		SO_2 (8)	55.00	231.00
		VOC (8)	13.95	58.57
		CO (8)	206.25	866.25
		H_2SO_4	1.31	5.49
		HCl (8)	1.74	7.32
		NH_3 (8)	13.75	57.75
		Hg (8)	0.01	0.01
EEF-8	Air Separator Baghouse	PM	2.83	12.39
		PM_{10}	2.83	12.39
		$PM_{2.5}$	0.71	3.10
		NO_x	3.92	17.18
		SO_2	0.02	0.10
		VOC	0.22	0.94
		CO	3.29	14.43
CEF-1	Crusher Baghouse	PM	1.29	5.40
		PM_{10}	1.29	5.40
		$PM_{2.5}$	0.32	1.35
CEF-2	Drop to Crusher Hopper (7)	PM	0.50	0.50
		PM_{10}	0.18	0.18
		$PM_{2.5}$	0.03	0.03
CEF-3	Hopper Drop to Crusher (7)	PM	1.00	1.00
		PM_{10}	0.36	0.37
		$PM_{2.5}$	0.06	0.06
DEF-1	Transfer Conveyor Baghouse	PM	0.45	1.95
		PM_{10}	0.45	1.95
		$PM_{2.5}$	0.11	0.49
DEF-2	Surge Bin Baghouse	PM	0.18	0.79
		PM_{10}	0.18	0.79
		$PM_{2.5}$	0.05	0.20

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EEF-1	Air Separator Baghouse	PM	1.85	7.78
		PM_{10}	1.85	7.78
		$PM_{2.5}$	0.46	1.94
		NO_x	3.92	17.18
		CO	3.29	14.43
		SO_2	0.02	0.10
		VOC	0.22	0.94
31EF-1	Coal Bin #1 Baghouse	PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.02	0.09
31EF-2	Coal Bin #2 Baghouse	PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.02	0.09
EEF-11	#5 Separator Baghouse	PM	2.77	12.12
		PM_{10}	2.77	12.12
		$PM_{2.5}$	0.69	3.03
EEF-12	#5 Finish Mill Baghouse	PM	1.21	5.29
		PM_{10}	1.21	5.29
		$PM_{2.5}$	0.30	1.32
		VOC	0.03	0.12
EEF-13	Transfer Tunnel Baghouse	PM	0.30	1.31
		PM_{10}	0.30	1.31
		$PM_{2.5}$	0.08	0.33
EEF-14	Transfer Tunnel Baghouse	PM	0.30	1.31
		PM_{10}	0.30	1.31
		$PM_{2.5}$	0.08	0.33
EEF-2	#2 Separator Baghouse	PM	1.85	8.11
		PM_{10}	1.85	8.11
		$PM_{2.5}$	0.46	2.03

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EEF-3	Raw Mill #1 Baghouse	PM	0.62	2.59
		PM_{10}	0.62	2.59
		$PM_{2.5}$	0.15	0.65
EEF-4	#2 Finish Mill Baghouse	PM	0.62	2.70
		PM_{10}	0.62	2.70
		$PM_{2.5}$	0.15	0.68
		VOC	0.02	0.10
EEF-5	#3 Finish Mill Baghouse	PM	1.29	5.63
		PM_{10}	1.29	5.63
		$PM_{2.5}$	0.32	1.41
		VOC	0.01	0.05
EEF-6	#3 Separator Baghouse	PM	0.69	3.02
		PM_{10}	0.69	3.02
		$PM_{2.5}$	0.17	0.75
EEF-9	Raw Mill #4 Baghouse	PM	1.03	4.51
		PM_{10}	1.03	4.51
		$PM_{2.5}$	0.26	1.13
FC-1	Quarry Truck Loading (7)	PM	0.23	0.23
		PM_{10}	0.11	0.11
		$PM_{2.5}$	0.02	0.02
FCKD-1	CKD Drop to Haul Truck (7)	PM	< 0.01	< 0.01
		PM_{10}	< 0.01	< 0.01
		$PM_{2.5}$	< 0.01	< 0.01
FCLB-2	Cooler Drop to Drag Chain (7)	PM	0.02	0.05
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
FCLB-4	#2 Cooler System Drops to Clinker Belt (7)	PM	0.02	0.05
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01

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FCLSP-3	Clinker Outside Storage Pile (7)	PM	0.13	0.57
		PM_{10}	0.06	0.27
		$PM_{2.5}$	0.01	0.04
FCLSP-3A	Clinker Under Shed Storage Pile (7)	PM	0.03	0.15
		PM_{10}	0.02	0.07
		$PM_{2.5}$	<0.01	0.01
FCLT-1	Clinker Building Tunnel Fugitives (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FCP-1	Railcar Coal Unloading Drop (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FCP-1B	Rail Hopper Drop to Belt (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FCP-2	Belt Transfer Drop (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FCP-5	Drop to Conveyor Hopper (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FCP-6	Hopper Drop to Conveyor (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FCP-7	Conveyor Transfer (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FCPT	Truck Unloading Drop (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	<0.01	<0.01
FCPW-1	Coal Piles Windblown Fugitive (7)	PM	0.05	0.22
		PM_{10}	0.02	0.10
		$PM_{2.5}$	<0.01	0.02
FEF-1	Blending Silos Baghouse	PM	1.29	5.63
		PM_{10}	1.29	5.63
		$PM_{2.5}$	0.32	1.41
FEF-2	Feed System Baghouse	PM	0.51	2.25
		PM_{10}	0.51	2.25
		$PM_{2.5}$	0.13	0.56
FGSP-1	Additive Rail Unloading Drop (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FGSP1-T	Gypsum Truck Unloading (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FLO-1	Truck and Rail Loadout Fugitive (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FLO-2	Bulk Truck Loading Fugitive (7)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FLO-3	Bulk Rail Unloading Fugitive (7)	PM	0.04	0.09
		PM_{10}	0.02	0.03
		$PM_{2.5}$	<0.01	<0.01
FMS-1	Raw Storage Wind Blown Fug. (7)	PM	0.72	3.17
		PM_{10}	0.34	1.50
		$PM_{2.5}$	0.05	0.23
FMS-1A	Raw Storage Building (7)	PM	0.43	1.90

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		PM_{10}	0.21	0.90
		$PM_{2.5}$	0.03	0.14
FMS-3	Loader Drop to Aux. Belt Hopper (7)	PM	0.03	0.07
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
FMS-4	Raw Building Tunnel Fugitives (7)	PM	0.04	0.09
		PM_{10}	0.02	0.03
		$PM_{2.5}$	<0.01	<0.01
FMS-5	Limestone Shed Windblown Fugitive (7)	PM	0.03	0.15
		PM_{10}	0.02	0.07
		$PM_{2.5}$	<0.01	0.01
FMSSP-1	Mill Scale/Iron ore Wind Blown Fugitives (7)	PM	0.10	0.42
		PM_{10}	0.05	0.20
		$PM_{2.5}$	0.01	0.03
FMSSP-2	Mill Scale / Iron Unloading Fugitives (7)	PM	0.03	0.07
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FMSSP-3	Loader Drop to Storage Piles (7)	PM	0.01	0.02
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FMSSP-4	Loader Drop to Feeder Piles (7)	PM	0.01	0.02
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FMSSP-5	Mill Scale Feeder Drop (7)	PM	0.01	0.02
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FMSSP-T	Mill Scale Truck Unloading (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01

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FQ-CKD	CKD Storage and Drop in Quarry (7)	PM	0.31	1.37
		PM_{10}	0.15	0.65
		$PM_{2.5}$	0.02	0.10
FRB-1	Crusher Drop to Belt (7)	PM	0.33	0.33
		PM_{10}	0.12	0.12
		$PM_{2.5}$	0.02	0.02
FRB-2	Crusher Belt Transfer Point (7)	PM	0.15	0.15
		PM_{10}	0.06	0.06
		$PM_{2.5}$	<0.01	<0.01
FRB-3	Raw Materials Drop to Piles (7)	PM	0.27	0.13
		PM_{10}	0.10	0.05
		$PM_{2.5}$	0.02	<0.01
FRB-4	Aux. Hopper Drop to Belt (7)	PM	0.02	0.03
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
FRB-5	Drop to Traveling Belt (7)	PM	0.33	0.33
		PM_{10}	0.12	0.12
		$PM_{2.5}$	0.02	0.02
FRB-6	Raw Materials Drop to LS Building (7)	PM	0.16	0.08
		PM_{10}	0.06	0.03
		$PM_{2.5}$	<0.01	<0.01
FSASP-1	Sand Pile Wind Blown Fugitives (7)	PM	0.25	1.09
		PM_{10}	0.12	0.52
		$PM_{2.5}$	0.02	0.08
FSASP-2	Sand Drop to Pile (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FSASP-8	Sand Loader Drop to Feeder Pile	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01

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		$PM_{2.5}$	<0.01	<0.01
GEF-11	Belt Transfer Baghouse	PM	0.27	1.20
		PM_{10}	0.27	1.20
		$PM_{2.5}$	0.07	0.30
GEF-12	Finish Mix System Baghouse	PM	0.27	1.20
		PM_{10}	0.27	1.20
		$PM_{2.5}$	0.07	0.30
GEF-13	Finish Mix System Baghouse	PM	1.29	5.63
		PM_{10}	1.28	5.61
		$PM_{2.5}$	0.32	1.40
GEF-14	Dense Phase Baghouse	PM	0.20	0.86
		PM_{10}	0.20	0.86
		$PM_{2.5}$	0.05	0.22
GEF-15	Bucket Elevator No. 1	PM	0.12	0.53
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.03	0.13
GEF-16	Bucket Elevator No. 2	PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.03	0.13
GEF-17	Bucket Elevator No. 3	PM	0.15	0.63
		PM_{10}	0.15	0.63
		$PM_{2.5}$	0.04	0.16
GEF-18	Off-Spec Clinker Storage Silo	PM	0.31	1.35
		PM_{10}	0.31	1.35
		$PM_{2.5}$	0.08	0.34
GEF-19	Clinker Storage Silo Dust Collector Fan #1	PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.02	0.10
GEF-20	Clinker Storage Silo Dust Collector Fan #2	PM	0.12	0.52

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.12	0.52
		$PM_{2.5}$	0.03	0.13
GEF-21	Clinker Storage Silo Dust Collector Fan #3	PM	0.15	0.65
		PM_{10}	0.15	0.65
		$PM_{2.5}$	0.04	0.16
GEF-22	Clinker Reclaim Dust Collector Fan #1	PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	<0.01	0.02
GEF-23	Clinker Reclaim Dust Collector Fan #2	PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	<0.01	0.02
GEF-24	Clinker Reclaim Dust Collector Fan #3	PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	<0.01	0.02
GEF-25	Clinker Reclaim Dust Collector Fan #4	PM	0.13	0.54
		PM_{10}	0.13	0.54
		$PM_{2.5}$	0.03	0.14
GEF-9	CKD Bin Baghouse	PM	0.26	1.13
		PM_{10}	0.26	1.13
		$PM_{2.5}$	0.06	0.28
GID6EX	#2 Clinker Cooler Stack	PM	2.70	11.32
		PM_{10}	2.05	8.62
		$PM_{2.5}$	1.08	4.53
KBH-1	Airslide KAS3 Baghouse	PM	0.21	0.94
		PM_{10}	0.21	0.94
		$PM_{2.5}$	0.05	0.23
KBH-12	Rich Mortar Spout Baghouse	PM	0.15	0.65
		PM_{10}	0.15	0.65
		$PM_{2.5}$	0.04	0.16

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KBH-13	Truck Loading Spout Baghouse	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.04	0.19
KBH-8	Airslide to Truck Loadout	PM	0.12	0.53
		PM_{10}	0.12	0.53
		$PM_{2.5}$	0.03	0.13
KBH-9	Cement Silos & Cement Unloading Baghouse	PM	0.23	0.12
		PM_{10}	0.23	0.12
		$PM_{2.5}$	0.06	0.03
KEF-10	Top of Silo Equipment Baghouse	PM	0.26	1.15
		PM_{10}	0.26	1.14
		$PM_{2.5}$	0.07	0.28
KEF-11	Top of Silo Equipment Baghouse	PM	0.26	1.13
		PM_{10}	0.26	1.13
		$PM_{2.5}$	0.06	0.28
KEF-14	Cement Silo #3 Baghouse	PM	0.07	0.30
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.02	0.08
KEF-15	Cement Silo #4 Baghouse	PM	0.07	0.30
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.02	0.08
KBH-18	Cement Loadout Bins	PM	0.17	0.75
		PM_{10}	0.17	0.75
		$PM_{2.5}$	0.04	0.19
KBH-17	Cement Loading Spout	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.01	0.03
KEF-3	Packer #2 Overflow Elevator Baghouse	PM	1.03	4.32
		PM_{10}	1.03	4.32

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		$PM_{2.5}$	0.26	1.08
KEF-4	Packer #1 Overflow Elevator Baghouse	PM	1.03	4.32
		PM_{10}	1.03	4.32
		$PM_{2.5}$	0.26	1.08
KEF-5	Packer #1 Feed Elevator Baghouse	PM	0.77	3.38
		PM_{10}	0.77	3.38
		$PM_{2.5}$	0.19	0.84
KEF-6	Packer #2 Feed Elevator Baghouse	PM	0.34	1.44
		PM_{10}	0.34	1.44
		$PM_{2.5}$	0.09	0.36
KEF-7	Truck and Railcar Loadout Baghouse	PM	0.51	2.16
		PM_{10}	0.51	2.16
		$PM_{2.5}$	0.13	0.54
SCREEN	Material Screening (7)	PM	0.02	0.03
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
DAB-1	Dry Abrasive Blasting (7)	PM	0.04	0.07
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
ENG-5	Emergency Generator	PM	0.33	0.02
		PM_{10}	0.33	0.02
		$PM_{2.5}$	0.33	0.02
		NO_x	10.05	0.50
		CO	5.79	0.29
		VOC	0.53	0.03
		SO_2	<0.01	<0.01
		H_2SO_4	<0.01	<0.01
MSSAMTK	Ammonia Tank Vessel Maintenance MSS (7)	NH_3	1.32	0.03

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MSS-CEMS	CEMS Calibration MSS Fugitives (7)	NO_x	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	<0.01	<0.01
		SO_2	<0.01	<0.01
MSSFUG2	Non-Inherently Low Emitting Maintenance (7) Vacuum Truck Loading (7)	PM	0.73	1.06
		PM_{10}	0.73	1.06
		$PM_{2.5}$	0.36	0.53
MSSFUG1	Inherently Low Emitting Sitewide MSS Activities (ILE Activities) (7)	PM	0.15	0.02
		PM_{10}	0.06	0.01
		$PM_{2.5}$	0.03	<0.01
		NO_x	0.02	<0.01
		CO	0.41	0.01
		VOC	2.32	0.29
FGL-1	Additives Loader Road Emissions (7)	PM	2.70	0.15
		PM_{10}	1.20	0.67
		$PM_{2.5}$	1.20	0.67
FCLCP	Clinker Drop to Storage Building (7)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	0.01
CPT-1	Clinker Pit Drop and Storage (7)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
FCUSP-1	Copper Slag Windblown Fugitive (7)	PM	0.12	0.53
		PM_{10}	0.06	0.25
		$PM_{2.5}$	0.01	0.04
FCUSP-3	Copper Slag Loader Drop to Feeder Pile (7)	PM	0.03	0.07
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FCUSP-4	Copper Slag Feed	PM	0.01	0.02

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		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FGSP-5	Gypsum Windblown Fugitive (7)	PM	0.27	1.19
		PM_{10}	0.13	0.56
		$PM_{2.5}$	0.02	0.09
FUNCRH	Uncrushed Limestone Next to Crusher (7)	PM	0.12	0.51
		PM_{10}	0.05	0.24
		$PM_{2.5}$	0.01	0.04
FUGNH3	Ammonia Piping Fugitive Components (7)	NH_3	1.15	5.03
TNH3TK-1	Ammonia Storage Tank	NH_3	3.56	0.63
4S1PB01	Kiln No. 3 Clinker Cooler	PM	2.10	8.80
		PM_{10}	2.10	8.80
		$PM_{2.5}$	1.10	4.62
CM3	Finish Mill	PM	0.59	2.59
		PM_{10}	0.59	2.59
		$PM_{2.5}$	0.59	2.59
		VOC	0.22	0.94
3C1BF01	3C1 - ConENGveying to feed bin	PM	0.10	0.42
		PM_{10}	0.10	0.42
		$PM_{2.5}$	0.04	0.17
3C1BF03	3C1 - Conveying to feed bin	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
3C1BF04	3C1 - Conveying to feed bin	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
3E1BF01	3E1 - Conveying to raw grinding plant	PM	0.03	0.14

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.01	0.06
3E1BF02	3E1 - Conveying to raw grinding plant	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.01	0.06
3E1BF03	3E1 - Conveying to raw grinding plant	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.01	0.06
3E1BF04	3E1 - Conveying to raw grinding plant	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.01	0.06
3E1BF05	3E1 - Conveying to raw grinding plant	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.01	0.06
3E1BF06	3E1 - Conveying to raw grinding plant	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.01	0.06
3E1BF07	3E1 - Conveying to raw grinding plant	PM	0.19	0.84
		PM_{10}	0.19	0.84
		$PM_{2.5}$	0.08	0.33
3E1BF08	3E1 - Conveying to raw grinding plant	PM	0.19	0.84
		PM_{10}	0.19	0.84
		$PM_{2.5}$	0.08	0.33
3E2BF01	3E2 - Conveying to raw grinding plant	PM	0.19	0.84
		PM_{10}	0.19	0.84
		$PM_{2.5}$	0.08	0.33
3E2BF02	3E2 - Conveying to raw grinding plant	PM	0.19	0.84
		PM_{10}	0.19	0.84
		$PM_{2.5}$	0.08	0.33

Emission Sources - Maximum Allowable Emission Rates

3E2BF03	3E2 - Conveying to raw grinding plant	PM	0.08	0.36
		PM_{10}	0.08	0.36
		$PM_{2.5}$	0.03	0.14
3E2BF04	3E2 - Conveying to raw grinding plant	PM	0.08	0.36
		PM_{10}	0.08	0.36
		$PM_{2.5}$	0.03	0.14
3F1BF01	3F1 - Raw grinding plant	PM	0.22	0.95
		PM_{10}	0.22	0.95
		$PM_{2.5}$	0.09	0.37
3F1BF02	3F1 - Raw grinding plant	PM	0.26	1.16
		PM_{10}	0.26	1.16
		$PM_{2.5}$	0.10	0.46
3J1BF01	3J1 - Conveying to raw meal silo	PM	0.05	0.21
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.02	0.08
3J1BF02	3J1 - Conveying to raw meal silo	PM	0.20	0.89
		PM_{10}	0.20	0.89
		$PM_{2.5}$	0.08	0.35
3K1BF01	3K1 - Raw meal silo	PM	0.07	0.31
		PM_{10}	0.07	0.31
		$PM_{2.5}$	0.03	0.12
4C1BF01	4C1 - Raw meal conveying and kiln feed proport	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
4C1BF02	4C1 - Raw meal conveying and kiln feed proport	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.04	0.19
4F1BF01	4F1 - Bypass Dust Handling	PM	0.11	0.48
		PM_{10}	0.11	0.48

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.04	0.19
4Q1BF01	4Q1 - Bypass Dust Handling	PM	0.03	0.12
		PM_{10}	0.03	0.12
		$PM_{2.5}$	0.01	0.05
4T1BF01	4T1 - Conveying to clinker store	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
4V1BF01	4V1 - Clinker store	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
4V1BF02	4V1 - Clinker store	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5C1BF01	5C1 - Clinker discharge and conveying	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF01	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF05	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF03	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF06	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF07	5E1 - Conveying to cement grinding plant	PM	0.06	0.28

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF08	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF09	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF10	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF11	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF12	5E1 - Conveying to cement grinding plant (Additives)	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5F1BF01	5F1 - Cement grinding plant	PM	0.22	0.95
		PM_{10}	0.22	0.95
		$PM_{2.5}$	0.09	0.37
5F1BF02	5F1 - Cement grinding plant	PM	0.04	0.18
		PM_{10}	0.04	0.18
		$PM_{2.5}$	0.02	0.07
5J1BF01	5J1 - Conveying to cement silo	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5K1BF01	5K1 - Cement Storage	PM	0.07	0.31
		PM_{10}	0.07	0.31
		$PM_{2.5}$	0.03	0.12

Emission Sources - Maximum Allowable Emission Rates

5K1BF02	5K1 - Cement Storage	PM	0.07	0.31
		PM_{10}	0.07	0.31
		$PM_{2.5}$	0.03	0.12
5K1BF03	5K1 - Cement Storage	PM	0.07	0.31
		PM_{10}	0.07	0.31
		$PM_{2.5}$	0.03	0.12
5K1BF04	5K1 - Cement Storage	PM	0.07	0.31
		PM_{10}	0.07	0.31
		$PM_{2.5}$	0.03	0.12
5K1BF05	5K1 - Cement Storage	PM	0.07	0.31
		PM_{10}	0.07	0.31
		$PM_{2.5}$	0.03	0.12
5K1BF06	5K1 - Cement Storage	PM	0.07	0.31
		PM_{10}	0.07	0.31
		$PM_{2.5}$	0.03	0.12
2J1BF01	2J1 - Conveying to Additive Storage	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
2J1BF02	2J1 - Conveying to Additive Storage	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
2J1BF03	2J1 - Conveying to Additive Storage	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
2E1BF01	2E1 - Conveying to Preblend Storage	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
3C1BF02	3C1 - Conveying to feed bin	PM	0.06	0.28
		PM_{10}	0.06	0.28

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.03	0.11
4S1BF01	4S1 - Clinker Cooler	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
4T1BF02	4T1 - Conveying to clinker silo	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
4T1BF03	4T1 - Conveying to clinker silo	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF02	5E1 - Conveying to Finish Mill	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
5E1BF04	5E1 - Conveying to Finish Mill	PM	0.06	0.28
		PM_{10}	0.06	0.28
		$PM_{2.5}$	0.03	0.11
FADSP-1	Additives Shed - Raw Material Drop to Aux Hopper (West End)	PM	0.04	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FADSP-2	Additives Shed - Raw Material Drop to Aux Hopper (East End)	PM	0.04	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FADSP-3	Additives Shed - Aux Hopper to Conveyor (West End)	PM	0.04	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FADSP-4	Additives Shed - Aux Hopper to Conveyor (East End)	PM	0.04	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FADSP-5	Additives Shed -	PM	0.04	0.08

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FADSP-6	Additives Shed - Stackers to Pile	PM	0.04	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FADSP-7	Additives Shed - Pile to Reclaim Conveyor	PM	0.04	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FADSP-8	North Additives Shed - Conveyor to Pile	PM	0.04	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
FRB-7	LS Shed - Drop to Aux Hopper (West End)	PM	0.33	0.33
		PM_{10}	0.12	0.12
		$PM_{2.5}$	0.02	0.02
FRB-8	LS Shed - Aux Hopper to Conveyor	PM	0.33	0.33
		PM_{10}	0.12	0.12
		$PM_{2.5}$	0.02	0.02
FRB-9	LS Shed - Conveyors to Stackers	PM	0.33	0.33
		PM_{10}	0.12	0.12
		$PM_{2.5}$	0.02	0.02
FRB-10	LS Shed - Stackers to Pile	PM	0.33	0.33
		PM_{10}	0.12	0.12
		$PM_{2.5}$	0.02	0.02
FRB-11	LS - Pile to Reclaim Conveyor	PM	0.33	0.33
		PM_{10}	0.12	0.12
		$PM_{2.5}$	0.02	0.02
FCLH-1	Clinker Silos Hopper	PM	0.16	0.32
		PM_{10}	0.06	0.12
		$PM_{2.5}$	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

KEF-8a	Airslide to Truck Loadout	PM	0.31	1.35
		PM_{10}	0.31	1.35
		$PM_{2.5}$	0.08	0.34
LEF-5	Lime Silo Bin Vent	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
COAL-TP1	Truck Loading – Drop Point	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<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 § 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
HCl - hydrogen chloride
NH_3 - ammonia
H_2SO_4 - sulfuric acid
Hg - mercury
Pb - lead
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Planned maintenance, startup, and shutdown
(6) Kiln No. 1 and indicated emission points are authorized by this permit until such time as Kiln No. 3 begins full operation.
(7) 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.
(8) 30-day rolling average.

Date: February 16, 2023