#### Permit Number 1

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)		Air Contaminant	Emission Rates (9)		
		Name (3)	lbs/hour	TPY (4)	
5-6S	Cement Railcar Gathering Screw	PM	0.09	0.38	
	Conveyor 1, 2, and 3 Baghouse	PM <sub>10</sub>	0.09	0.38	
		PM <sub>2.5</sub>	0.03	0.13	
1-2A	Quarry Belt No. 5 Baghouse	PM	0.26	1.13	
		PM <sub>10</sub>	0.26	1.13	
		PM <sub>2.5</sub>	0.09	0.38	
1-2B	Quarry Belt No. 4 Baghouse	PM	0.26	1.13	
		PM <sub>10</sub>	0.26	1.13	
		PM <sub>2.5</sub>	0.09	0.38	
1-2C	Quarry Belt No. 3 Baghouse	PM	0.26	1.13	
		PM <sub>10</sub>	0.26	1.13	
		PM <sub>2.5</sub>	0.09	0.38	
1-2E1	Stamler Discharge Belt (5)	PM	0.06	0.09	
		PM <sub>10</sub>	0.03	0.04	
		PM <sub>2.5</sub>	<0.01	0.01	
1-2F	No. 7 Quarry Belt Dust Collector	PM	0.26	1.13	
		PM <sub>10</sub>	0.26	1.13	
		PM <sub>2.5</sub>	0.09	0.38	
1-9A_1-9B	Iron Source Stockpile with Truck Unloading (5)	PM	0.05	0.20	
		PM <sub>10</sub>	0.02	0.10	
		PM <sub>2.5</sub>	<0.01	0.02	
1-10	Iron Source Hopper (5)	PM	0.05	0.02	
		PM <sub>10</sub>	0.03	0.01	
		PM <sub>2.5</sub>	<0.01	<0.01	
1-11A	Iron Source Conveyor 1 (5)	PM	0.05	0.02	
		PM <sub>10</sub>	0.03	0.01	
		PM <sub>2.5</sub>	<0.01	<0.01	
1-11B	Iron Source Conveyor 1 (5)	PM	0.05	0.02	
Project Number: 366148		PM <sub>10</sub>	0.03	0.01	

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		PM <sub>2.5</sub>	<0.01	<0.01
1-12	Iron Source Handling Baghouse	РМ	0.43	1.88
		PM <sub>10</sub>	0.43	1.88
		PM <sub>2.5</sub>	0.14	0.63
1-16A1	Iron Source Silo 3 to Iron Source Silo 3	PM	<0.01	<0.01
	Weigh Belt	PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
1-16A2	Iron Source Silo 3 Weigh Belt to	PM	<0.01	<0.01
	Iron Source Drag Conveyor	PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
444.DC2	Iron Source Drag Conveyor to Kiln Riser	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
1-18	Quarry Fixed Conveyor No. 3 Baghouse	PM	0.27	1.20
		PM <sub>10</sub>	0.27	1.20
		PM <sub>2.5</sub>	0.09	0.40
1-19	Limestone Day Tank and Quarry Conveyor No. 1 Baghouse	PM	0.27	1.20
		PM <sub>10</sub>	0.27	1.20
		PM <sub>2.5</sub>	0.09	0.40
1-20	Limestone Belts 2A (5)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
1-22	Limestone Belts 3A (5)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
	Stamler Feeder (5)	PM	0.96	1.50
24B		PM <sub>10</sub>	0.43	0.68
		PM <sub>2.5</sub>	0.04	0.06
1-21	Limestone Belt No. 2 Baghouse	PM	0.09	0.38
		PM <sub>10</sub>	0.09	0.38
		PM <sub>2.5</sub>	0.03	0.13
1-23	Limestone Belt No. 3 Baghouse	PM	0.09	0.38
		PM <sub>10</sub>	0.09	0.38
		PM <sub>2.5</sub>	0.03	0.13
Project Number: 366148		PM	0.51	2.25
	Baghouse	PM <sub>10</sub>	0.51	2.25

2-6A	CKD Pugmill (5)	PM	0.09	0.13
		PM <sub>10</sub>	0.04	0.06
		PM <sub>2.5</sub>	0.01	0.01
2-6B	CKD Pugmill (5)	PM	0.01	0.02
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
3-15	Clinker Reclaim Conveyor No. 6	PM	0.17	0.75
	Baghouse	PM <sub>10</sub>	0.17	0.75
		PM <sub>2.5</sub>	0.06	0.25
5-2A	Silo No. 3 Baghouse	PM	0.81	3.54
		PM <sub>10</sub>	0.81	3.54
		PM <sub>2.5</sub>	0.27	1.18
27	Clinker Stacker and Stacking	РМ	0.13	0.56
	Operations Baghouse	PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	0.04	0.19
F-CSB	Clinker Storage Building (5)	PM	0.01	0.04
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
F-MB1	Main Bldg Fug (5)	PM	0.10	0.44
		PM <sub>10</sub>	0.05	0.21
		PM <sub>2.5</sub>	0.01	0.03
F-MB1A	Main Bldg Fug (No. 1 and 2 Raw Mill Conveyors) (5)	PM	0.04	0.13
		PM <sub>10</sub>	0.02	0.06
		PM <sub>2.5</sub>	<0.01	0.01
26	Finish Mill Collection Belt 1 C-26 Dust	PM	<0.01	<0.01
	Collector (5)	PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
6-1	Railcar Unloading Hopper (5)	PM	0.04	0.06
		PM <sub>10</sub>	0.02	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
6-2	Drop from Conveyor to Stack Conveyor	PM	0.07	0.07
	(5)	PM <sub>10</sub>	0.03	0.03
		PM <sub>2.5</sub>	<0.01	0.01
6-3, 6-4A, 6-4B, 6-	Solid Fuel Stockpile with Material	РМ	0.36	1.56
46jec4Ngn654D366148	Transfer and Movement (5)	PM <sub>10</sub>	0.18	0.78
		PM <sub>2.5</sub>	0.03	0.12

	Hopper (5)	PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
6-5B	West Transfer from Stockpile to Reclaim	РМ	0.01	0.04
	Hopper (5)	PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
6-6A	East Drop from Reclaim Hopper to	РМ	0.01	0.02
	Conveyor (5)	PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
6-6B	West Drop from Reclaim Hopper to	PM	0.01	0.02
	Conveyor (5)	PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
6-6C	East Drop from Hopper Conveyor to	РМ	0.01	0.04
	Conveyor Crusher (5)	PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
6-6D	West Drop from Hopper Conveyor to Conveyor Crusher (5)	PM	0.01	0.04
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
6-6E, 6-7, and 6-8	Coal Crusher and Drops (5)	РМ	0.18	0.52
		PM <sub>10</sub>	0.08	0.24
		PM <sub>2.5</sub>	0.01	0.02
6-9	Drop to Day Tank (5)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
6-10	Solid Fuel Day Tank Conveyor Transfer	РМ	<0.01	0.02
	Points (5)	PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
23	Railcar Unloading Baghouse	PM	0.51	2.25
		PM <sub>10</sub>	0.51	2.25
		PM <sub>2.5</sub>	0.17	0.75
32	CKD Tank 1 Baghouse	PM	0.26	1.13
		PM <sub>10</sub>	0.26	1.13
		PM <sub>2.5</sub>	0.09	0.38
33	CKD Tank 2 Baghouse	PM	0.26	1.13
		PM <sub>10</sub>	0.26	1.13
Project Number: 366148		PM <sub>2.5</sub>	0.09	0.38
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4	Clinker Elevator 1, Silos 1 and 2 Baghouse	PM	0.69	3.00
		PM <sub>10</sub>	0.69	3.00
		PM <sub>2.5</sub>	0.23	1.00
8	Clinker Elevator 2, Silos 21 and 22	PM	0.69	3.00
	Baghouse	PM <sub>10</sub>	0.69	3.00
		PM <sub>2.5</sub>	0.23	1.00
30	Finish Mill Collection Belt 1 Baghouse	PM	0.16	0.70
		PM <sub>10</sub>	0.16	0.70
		PM <sub>2.5</sub>	0.05	0.23
28	Finish Mill Collection Belt 2 Baghouse	РМ	0.13	0.56
		PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	0.04	0.19
29	Finish Mill Collection Belt 2 C-29	PM	0.17	0.75
	Baghouse	PM <sub>10</sub>	0.17	0.75
		PM <sub>2.5</sub>	0.06	0.25
5-M	Mill Sweep 1 Baghouse Stack	PM	1.03	4.51
		PM <sub>10</sub>	1.03	4.51
		PM <sub>2.5</sub>	0.34	1.50
9-M	Mill Sweep 2 Baghouse Stack	PM	1.03	4.51
		PM <sub>10</sub>	1.03	4.51
		PM <sub>2.5</sub>	0.34	1.50
5-M and 9-M	Mill Sweep Baghouse Stacks	VOC	0.51	2.24
5-C	Classifier Separator 1 Baghouse Stack	PM	2.06	9.01
		PM <sub>10</sub>	2.06	9.01
		PM <sub>2.5</sub>	0.69	3.00
9-C	Classifier Separator 2 Baghouse Stack	PM	2.06	9.01
		PM <sub>10</sub>	2.06	9.01
		PM <sub>2.5</sub>	0.69	3.00
10	Cement Silo 1 Baghouse	PM	0.95	4.14
		PM <sub>10</sub>	0.95	4.14
		PM <sub>2.5</sub>	0.32	1.38
11	Cement Silo 2 Baghouse	PM	0.95	4.14
		PM <sub>10</sub>	0.95	4.14
		PM <sub>2.5</sub>	0.32	1.38
Project Number: 366148	Cement Loading (Rail) Baghouse	PM	0.17	0.75
		PM <sub>10</sub>	0.17	0.75

25	Cement Loading (Truck) Baghouse	РМ	0.17	0.75
		PM <sub>10</sub>	0.17	0.75
		PM <sub>2.5</sub>	0.06	0.25
35	Cement Loading (Special) Baghouse	PM	0.17	0.75
		PM <sub>10</sub>	0.17	0.75
		PM <sub>2.5</sub>	0.06	0.25
1-6A	Purchase Material Outside Hopper (5)	PM	0.23	0.58
		PM <sub>10</sub>	0.11	0.28
		PM <sub>2.5</sub>	0.02	0.04
1-6A1	Purchase Material Incline Conveyor 1	PM	0.03	0.09
	(5)	PM <sub>10</sub>	0.02	0.04
		PM <sub>2.5</sub>	<0.01	0.01
1-6B1	Purchase Material Incline Conveyor 1	РМ	0.03	0.09
	(5)	PM <sub>10</sub>	0.02	0.04
		PM <sub>2.5</sub>	<0.01	0.01
1-6B	Purchase Material Storage Belt (5)	РМ	0.03	0.09
		PM <sub>10</sub>	0.02	0.04
		PM <sub>2.5</sub>	<0.01	0.01
F-RM1	Raw Material Bldg (5)	РМ	0.07	0.14
		PM <sub>10</sub>	0.03	0.06
		PM <sub>2.5</sub>	<0.01	0.01
F-RM2	Raw Material Bldg (5)	PM	0.08	0.29
		PM <sub>10</sub>	0.04	0.14
		PM <sub>2.5</sub>	0.01	0.02
2-7A, 2-7B, and 2- 7C	Cement Kiln Dust Handling and	РМ	1.10	4.82
10	Disposal (5)	PM <sub>10</sub>	0.55	2.41
		PM <sub>2.5</sub>	0.08	0.36
3-4D1 and 3-4E1	Transfer to Clinker Elevators 1 and 2 (5)	РМ	1.54	5.62
		PM <sub>10</sub>	0.73	2.66
		PM <sub>2.5</sub>	0.11	0.40
1-6C	Gypsum Silo 1 Baghouse	РМ	0.13	0.56
		PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	0.04	0.19
1-6D	Gypsum Silo 2 Baghouse	РМ	0.13	0.57
Project Number: 366148		PM <sub>10</sub>	0.13	0.57
		PM <sub>2.5</sub>	0.04	0.19

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		PM <sub>10</sub>	0.07	0.30
		PM <sub>2.5</sub>	0.01	0.05
1-8A and 1-8B	Gypsum Stockpile with truck unloading	PM	0.41	1.81
	(5)	PM <sub>10</sub>	0.21	0.90
		PM <sub>2.5</sub>	0.03	0.14
3-10 and 3-10A	Outdoor Clinker Stockpile with	PM	0.28	1.20
	unloading (5)	PM <sub>10</sub>	0.14	0.60
		PM <sub>2.5</sub>	0.02	0.09
443.SK1	Reconstructed No. 3 Cement Kiln,	PM (filterable)	2.60	9.49
	Dryer/Crusher, Precalciner, Preheater Cyclone, and Precalciner Cyclone	PM (total)	45.83	167.29
		PM <sub>10</sub> (filterable)	2.18	7.97
		PM <sub>10</sub> (total)	45.42	165.77
		PM <sub>2.5</sub> (filterable)	1.17	4.27
		PM <sub>2.5</sub> (total)	44.40	162.07
		SO <sub>2</sub>	1650.00	189.80
		NO <sub>x</sub>	500.00	711.75
		СО	300.00	581.26
		VOC	26.39 (8)	65.48
		H <sub>2</sub> SO <sub>4</sub>	10.47	38.22
		NH <sub>3</sub>	17.37 (7)	76.10
		Pb	0.06	0.25
		Hg	<0.01 (6)	<0.01
44B.SK1	Solid Fuel Mill, Clinker Cooler, and Regenerative Thermal Oxidizer	PM	2.03	8.87
		PM <sub>10</sub>	2.03	8.87
		PM <sub>2.5</sub>	0.81	3.55
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.49	2.15
		СО	0.41	1.80
		VOC	0.22	0.96
44B.BF4	Pulverized Fuel Bin A	PM	0.04	0.15
		PM <sub>10</sub>	0.04	0.15
		PM <sub>2.5</sub>	0.02	0.08
44B.BF5	Pulverized Fuel Bin B	PM	0.04	0.15
		PM <sub>10</sub>	0.04	0.15
Project Number: 366148		PM <sub>2.5</sub>	0.02	0.08
6-15	Solid Fuel Transfer Solid Fuel Day Tank	РМ	0.01	0.03

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		PM <sub>2.5</sub>	<0.01	<0.01
FuelMillBldg	Solid Fuel Transfer BC080 to Solid Fuel	РМ	<0.01	0.01
	Mill	PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
449.BF1/449.BF2	Clinker Transfer Baghouse Stack	PM	0.16	0.70
		PM <sub>10</sub>	0.16	0.70
		PM <sub>2.5</sub>	0.08	0.35
443.BF2	CKD Transfer Baghouse Stack	PM	0.11	0.49
		PM <sub>10</sub>	0.11	0.49
		PM <sub>2.5</sub>	0.06	0.24
EG1.SK1	Emergency Diesel Generator	PM	0.20	0.05
		PM <sub>10</sub>	0.20	0.05
		PM <sub>2.5</sub>	0.20	0.05
		SO <sub>2</sub>	0.01	<0.01
		NO <sub>x</sub>	3.95	0.99
		СО	3.46	0.86
		VOC	0.32	0.08
3-19	Clinker Transport Loading (outside pile)	РМ	0.06	0.01
		PM <sub>10</sub>	0.03	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
F-RM4	Clinker Transfer to Inside Pile (RM Building)	PM	0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
1-29	Limestone Bin Dust Collector	PM	0.13	0.56
		PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	0.04	0.19
1-30	Limestone Transfer onto Finish Mill	PM	0.09	0.38
	Collection Belt 1 Baghouse	PM <sub>10</sub>	0.09	0.38
		PM <sub>2.5</sub>	0.03	0.13
1-31	Limestone Transfer onto Finish Mill	PM	0.11	0.47
	Collection Belt 2 Baghouse	PM <sub>10</sub>	0.11	0.47
		PM <sub>2.5</sub>	0.04	0.16
6-11	Reserve Solid Fuel Transfer Point	PM	0.07	<0.01
	(at Main Stockpile)	PM <sub>10</sub>	0.04	<0.01
Project Number: 366148		PM <sub>2.5</sub>	0.01	<0.01
6-13	Reserve Solid Fuel Reclamation	PM	0.07	<0.01

		PM <sub>2.5</sub>	0.01	<0.01
6-14	Reserve Solid Fuel Reclamation	PM	0.07	<0.01
	Transfer Point (at Main Stockpile)	PM <sub>10</sub>	0.04	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
6-12	Reserve Solid Fuel Stockpile	РМ	0.19	0.83
		PM <sub>10</sub>	0.10	0.42
		PM <sub>2.5</sub>	0.01	0.06
7-5	Bulk Tank-East (when storing SNCR	VOC (urea)	0.29	0.01
	reagent)	NH <sub>3</sub>	<0.01	<0.01
7-8	Bulk Tank-West (when storing SNCR	VOC (urea)	0.29	0.01
	reagent)	NH <sub>3</sub>	<0.01	<0.01
7-4	SNCR Unloading Piping	NH <sub>3</sub>	0.02	0.08
7-6	SNCR Kiln Transfer Piping	NH₃	0.10	0.42
1-33	Iron Source Stockpile	РМ	0.28	0.93
		PM <sub>10</sub>	0.14	0.46
		PM <sub>2.5</sub>	0.02	0.07
444.BF2	Solid Fuel Material Handling Dust Collector #1 Baghouse Stack	РМ	0.13	0.56
		PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	0.13	0.56
444.BF3	Solid Fuel Material Handling Dust Collector #2 Baghouse Stack	PM	0.13	0.56
		PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	0.13	0.56
444.BF4	Screening Station Dust Collector	РМ	0.13	0.56
	Baghouse Stack	PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	0.13	0.56
	Planned Mainte	enance Activities		
7-5	Bulk Tank-East and Day Tank (when	VOC (urea)	0.08	<0.01
	storing SNCR reagent)	NH <sub>3</sub>	0.06	<0.01
7-8	Bulk Tank-West and Day Tank (when	VOC (urea)	0.08	<0.01
	storing SNCR reagent)	NH <sub>3</sub>	0.06	<0.01
7-1-1	Bulk Tank-East (when storing SNCR	VOC (urea)	<0.01	<0.01
	reagent)	NH <sub>3</sub>	0.08	0.01
7-1-3	Bulk Tank-West (when storing SNCR	VOC (urea)	<0.01	<0.01
	reagent)	NH <sub>3</sub>	0.08	0.01
Project Number: 366148	Day Tank	NH <sub>3</sub>	0.01	<0.01

MSSFUG1 Inherently Low Emitting (ILE) Planned Maintenance Activities		NO <sub>x</sub>	<0.01	<0.01
		СО	0.02	<0.01
	SO <sub>2</sub>	<0.01	<0.01	
		PM	0.54	0.09
		PM <sub>10</sub>	0.25	0.04
		PM <sub>2.5</sub>	0.04	0.01
		VOC	0.18	<0.01
MSSFUG2	Non-ILE Planned Maintenance Activities	PM	0.90	0.39
		PM <sub>10</sub>	0.90	0.39
		PM <sub>2.5</sub>	0.46	0.20

- (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<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - 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<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

 $NH_3$  - ammonia  $H_2SO_4$  - sulfuric acid

Pb - lead Hg - mercury

- (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) The hourly Hg emission rates apply based on the 30-operating day rolling average hourly emission rate.
- (7) The hourly NH₃ emission rate is applicable as a 24-hour rolling average.
- (8) The hourly VOC emission rates apply based on the 12-month rolling average hourly emission rate.
- (9) Planned maintenance, startup, and shutdown (MSS) emissions are included.

Date:	January 22, 2024	

Project Number: 366148