#### 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)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (9)	
		ivaille (3)	lbs/hour	TPY (4)
5-6S	Cement Railcar Gathering Screw Conveyor 1, 2, and 3 Baghouse	РМ	0.09	0.38
	Conveyor 1, 2, and 3 Bagnouse	PM <sub>10</sub>	0.09	0.38
		PM <sub>2.5</sub>	0.03	0.13
1-2A	Quarry Belt No. 5 Baghouse	РМ	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	РМ	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	РМ	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)	РМ	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	РМ	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)	РМ	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)	РМ	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
		PM <sub>10</sub>	0.03	0.01
		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 Weigh Belt	РМ	<0.01	<0.01
	Weigh Beit	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 Iron Source Drag Conveyor	РМ	<0.01	<0.01
	non Source Brag Sonveyor	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	РМ	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	РМ	0.27	1.20
	Conveyor No. 1 Bagnouse	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
Project Numbers: 352960		PM <sub>2.5</sub>	<0.01	<0.01
1-22	Limestone Belts 3A (5)	РМ	0.02	0.06

1 24 1 244 and 1	Stamler Feeder (5)			
24B	Starrier Feeder (5)	PM	0.96	1.50
		PM <sub>10</sub>	0.43	0.68
		PM <sub>2.5</sub>	0.04	0.06
1-21	Limestone Belt No. 2 Baghouse	РМ	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	РМ	0.09	0.38
		PM <sub>10</sub>	0.09	0.38
		PM <sub>2.5</sub>	0.03	0.13
1-25	Roll Crusher and Quarry Belt No. 6 Baghouse	PM	0.51	2.25
	Dagnouse	PM <sub>10</sub>	0.51	2.25
		PM <sub>2.5</sub>	0.17	0.75
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 Baghouse	PM	0.17	0.75
		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 Operations Baghouse	РМ	0.13	0.56
	Specialistic Baginedoo	PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	0.04	0.19

F-CSB	Clinker Storage Building (5)	РМ	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)	РМ	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 Collector (5)	PM	<0.01	<0.01
		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 (5)	PM	0.07	0.07
		PM <sub>10</sub>	0.03	0.03
		PM <sub>2.5</sub>	<0.01	0.01
6-3, 6-4A, 6-4B, 6- 4C, and 6-4D	Solid Fuel Stock Pile with Material Transfer and Movement (5)	PM	0.36	1.56
		PM <sub>10</sub>	0.18	0.78
		PM <sub>2.5</sub>	0.03	0.12
6-5A	East Transfer from Stock Pile to Reclaim Hopper (5)	PM	0.01	0.04
	rosaam ropper (e)	PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
6-5B	West Transfer from Stock Pile to Reclaim Hopper (5)	PM	0.01	0.04
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
6-6A Project Numbers: 352960	East Drop from Reclaim Hopper to	PM	0.01	0.02
	-,- (-)	PM <sub>10</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	PM	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	PM	0.01	0.04
	Conveyor Crusher (5)	PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
6-6E, 6-7, and	Coal Crusher and Drops (5)	PM	0.18	0.52
6-8		PM <sub>10</sub>	0.08	0.24
		PM <sub>2.5</sub>	0.01	0.02
6-9	Drop to Day Tank (5)	РМ	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 Points (5)	РМ	<0.01	0.02
	Folitis (5)	PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
23	Railcar Unloading Baghouse	РМ	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	РМ	0.26	1.13
		PM <sub>10</sub>	0.26	1.13
		PM <sub>2.5</sub>	0.09	0.38

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 Baghouse	PM	0.69	3.00
	Dagnouse	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	PM	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 Baghouse	PM	0.17	0.75
	Dagnouse	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
During AN 1 CTTT		PM <sub>2.5</sub>	0.69	3.00
Project Numbers: 35296		1	<u> </u>	1

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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
24	Cement Loading (Rail) Baghouse	PM	0.17	0.75
		PM <sub>10</sub>	0.17	0.75
		PM <sub>2.5</sub>	0.06	0.25
25	Cement Loading (Truck) Baghouse	PM	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 (5)	PM	0.03	0.09
		PM <sub>10</sub>	0.02	0.04
		PM <sub>2.5</sub>	<0.01	0.01
1-6B1	Purchase Material Incline Conveyor 1 (5)	PM	0.03	0.09
		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

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F-RM1	Raw Material Bldg (5)	PM	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)	РМ	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 Disposal (5)	PM	1.10	4.82
		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)	PM	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	PM	0.13	0.57
		PM <sub>10</sub>	0.13	0.57
		PM <sub>2.5</sub>	0.04	0.19
1-4A and 1-4B	Sand Stockpile with truck unloading (5)	РМ	0.14	0.60
		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 (5)	PM	0.41	1.81
		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 unloading (5)	РМ	0.28	1.20
	dinodding (o)	PM <sub>10</sub>	0.14	0.60
		PM <sub>2.5</sub>	0.02	0.09
443.SK1	Reconstructed No. 3 Cement Kiln, Dryer/Crusher,	PM (filterable)	2.60	9.49
	Precalciner, Preheater Cyclone, and	PM (total)	45.83	167.29
	Precalciner Cyclone	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	РМ	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	РМ	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
		PM <sub>2.5</sub>	0.02	0.08
6-15	Solid Fuel Transfer Solid Fuel Day Tank Conveyors to BC050 and Solid Fuel	PM	0.01	0.03
	Transfer BC050 to BC080	PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
FuelMillBldg	Solid Fuel Transfer BC080 to Solid Fuel Mill	PM	<0.01	0.01
		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)	РМ	0.01	<0.01
	- Sunding)	PM <sub>10</sub>	<0.01	<0.01
Drainat Neurahau- 25000		PM <sub>2.5</sub>	<0.01	<0.01
Project Numbers: 35296 1-29	Limestone Bin Dust Collector	РМ	0.13	0.56

1-30	Limestone Transfer onto Finish Mill Collection Belt 1 Baghouse	PM	0.09	0.38
	Concount Dok 1 Dagnouse	PM <sub>10</sub>	0.09	0.38
		PM <sub>2.5</sub>	0.03	0.13
1-31	Limestone Transfer onto Finish Mill Collection Belt 2 Baghouse	PM	0.11	0.47
	Concount Box 2 Bagnouse	PM <sub>10</sub>	0.11	0.47
		PM <sub>2.5</sub>	0.04	0.16
6-11	Reserve Solid Fuel Transfer Point (at Main Stockpile)	РМ	0.07	<0.01
	(at main Greenpine)	PM <sub>10</sub>	0.04	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
6-13	Reserve Solid Fuel Reclamation Transfer Point (at Reserve Stockpile)	РМ	0.07	<0.01
	Transfer Femal (at Freedom Coloris)	PM <sub>10</sub>	0.04	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
6-14	Reserve Solid Fuel Reclamation Transfer Point (at Main Stockpile)	РМ	0.07	<0.01
	Transfer Found (at main Greenpine)	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 reagent)	VOC (urea)	0.29	0.01
		NH <sub>3</sub>	<0.01	<0.01
7-8	Bulk Tank-West (when storing SNCR reagent)	VOC (urea)	0.29	0.01
	,	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	NH <sub>3</sub>	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
Planned Mainten	ance Activities			
7-5	Bulk Tank-East and Day Tank (when storing SNCR reagent)	VOC (urea)	0.08	<0.01

7-8	Bulk Tank-West and Day Tank (when	\(\OC \((\psi \) \)	0.08	<0.01
	storing SNCR reagent)	VOC (urea)	0.00	<b>\(\U.U1\)</b>
		NH <sub>3</sub>	0.06	<0.01
7-1-1	Bulk Tank-East (when storing SNCR reagent)	VOC (urea)	<0.01	<0.01
	<i>J</i> ,	NH <sub>3</sub>	0.08	0.01
7-1-3	Bulk Tank-West (when storing SNCR reagent)	VOC (urea)	<0.01	<0.01
	<i>J</i> ,	NH <sub>3</sub>	0.08	0.01
7-7	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

 $\begin{array}{lll} \text{PM} & \text{-} & \text{total particulate matter, suspended in the atmosphere, including $PM_{10}$ and $PM_{2.5}$, as represented} \\ \text{PM}_{10} & \text{-} & \text{total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented} \end{array}$ 

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

CO - carbon monoxide

NH<sub>3</sub> - ammonia H<sub>2</sub>SO<sub>4</sub> - 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.

Permit	Number	1
Page		

- (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: May 8, 2023
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