

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 173815

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 (6)	
			lbs/hour	TPY (4)
110 DF 01	Receiving Hopper 110 FH 01 and Belt Conveyor 110 BC 01 Skirt (110 DF 01) Bag Filter Stack	PM	0.01	0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
110 DF 02	Belt Conveyor 110 BC 01 discharge, Bottom Receiving Bucket Elevator 110 BE 01 (110 DF 02) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
110 DF 03	Top Receiving Bucket Elevator 110 BE 01, Tripper Belt Conveyor 110 BC 02 Skirt (110 DF 03) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
160 UNC	GC Raw Material Hopper Emissions from Mixer Building (5)	PM	0.02	0.08
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	0.01	0.05
160 DF 01	Clinker Hopper 160 FH 01 (160 DF 01) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
160 DF 02	Raw Material Feeders 160 WF 01-04 (160 DF 02) Bag Filter	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
160 BF 01	Cement Mill 160 CM 01, 160 AS 01 Airslide Conveyor, and 160 BE 02 Elevator Top (160 BF 01) Bag Filter Stack	PM	0.93	1.17
		PM <sub>10</sub>	0.62	0.86
		PM <sub>2.5</sub>	0.62	0.86
160 BF 02	Classifier 160 RC 01 (160 BF 02) Bag Filter Stack	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	0.01
170 DF 01	160 AS 07 Air Slide Conveyor, 170 BE01 Elevator Bottom (170 DF 01) Bag Filter Stack	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
171 DF 01	170 AS 01 Air Slide Conveyor, 171 CS 01 Storage Silo, 170 AS 01 Air Slide Conveyor (171 DF 01) Bag Filter Stack	PM	0.32	0.86
		PM <sub>10</sub>	0.21	0.55
		PM <sub>2.5</sub>	0.21	0.55

Emission Sources - Maximum Allowable Emission Rates

171 DF 02	Gravity Conveyors to Load Spout (171 DF 02) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
172 DF 01	170 BE 01 Elevator Top, 172 CS 01 Storage Silo (172 DF 01) Bag Filter Stack	PM	0.32	0.86
		PM <sub>10</sub>	0.21	0.55
		PM <sub>2.5</sub>	0.21	0.55
172 DF 02	Gravity Conveyors to Load Spout (172 DF 02) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
172 DF 03	Gravity Conveyors to Load Spout (172 DF 03) Bag Filter Stack	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
110 DF 04	GC Raw Material Stockpile Storage Building (110 DF 04) Bag Filter Stack	PM	0.01	--
		PM <sub>10</sub>	<0.01	--
		PM <sub>2.5</sub>	<0.01	--
110 DF 05	GC Raw Material Stockpile Storage Building (110 DF 05) Bag Filter Stack	PM	0.01	--
		PM <sub>10</sub>	<0.01	--
		PM <sub>2.5</sub>	<0.01	--
110DFCAP (110 DF 04, 110 DF 05)	GC Raw Material Stockpile Storage Building (110 DF 04/05) Bag Filters Annual Cap	PM	--	0.03
		PM <sub>10</sub>	--	0.01
		PM <sub>2.5</sub>	--	<0.01
110.BF120	Truck Unloader (110.BF120) Bag Filter Stack	PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
110.BF510	Receiving Surge Bin 110.SB110, Receiving Belt Conveyor, Bottom Receiving Bucket Elevator (110.BF510) Bag Filter Stack	PM	0.03	0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
110.BF610	Bucket Elevator to Receiving Tripper Conveyor (110.BF610) Bag Filter Stack	PM	0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
511.UNC	WC Raw Material Hopper Emissions from Mixer Building (5)	PM	0.02	0.07
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
511.BF110	Receiving and Storage to Hopper 511.FY100, Hopper to Feeder 511.WF150, Overflow to Dribble	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

	Hopper (511.BF110) Bag Filter Stack	PM <sub>2.5</sub>	<0.01	<0.01
511.BF620	WC Raw Material Weigh Feeder and Dribble Hopper 511.WF350, 511.WF250, 511.WF450, and 511.WF150 to Belt Conveyor 511.BC600 (511.BF620) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
531.BF360	Bottom Bucket Elevator 531.BE220 to Air Gravity Conveyor 531.AS230, Air Gravity Conveyor 531.AS230, Separator 531.SR300 1 and 2, Bottom Bucket Elevator 531.BE410, Top Bucket Elevator 531.BE410 to Air Gravity Conveyor 531.AS420 (531.BF360) Bag Filter Stack	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
610.FR010	Air Gravity Conveyors 610.AS040, 610.AS050, 610.AS060 (610.FR010) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
610.FR310	Air Gravity Conveyors 610.AS350, 610.AS340, 610. AS330 (610.FR310) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
610.BF082	Air Gravity Conveyor to Storage Tank 1 610.TK080, Storage Tank 1 610.TK080 (610.BF082) Bag Filter Stack	PM	0.11	0.37
		PM <sub>10</sub>	0.07	0.24
		PM <sub>2.5</sub>	0.07	0.24
610.BF072	Air Gravity to Conveyor Storage Tank 2 610.TK070, Storage Tank 2 610.TK070 (610.BF072) Bag Filter Stack	PM	0.11	0.37
		PM <sub>10</sub>	0.07	0.24
		PM <sub>2.5</sub>	0.07	0.24
610.BF372	Air Gravity Conveyor to Storage Tank 3 610.TK370, Storage Tank 3 610.TK370 (610.BF372) Bag Filter Stack	PM	0.11	0.37
		PM <sub>10</sub>	0.07	0.24
		PM <sub>2.5</sub>	0.07	0.24
610.BF382	Air Gravity Conveyor to Storage Tank 4 610.TK380, Storage Tank 4 610.TK380 (610.BF382) Bag Filter Stack	PM	0.11	0.37
		PM <sub>10</sub>	0.07	0.24
		PM <sub>2.5</sub>	0.07	0.24
610.BF130	Tank 1 to Aerated Bin Bottom 610.AS200, to Aerated Bin Bottom 610.AS170, Tank 2 to Aerated Bin Bottom 610.AS170, Aerated Bin Bottoms 610.AS140, 610.AS200, and 610.AS170 to Loadout Pneumatic Slide Gate 610.SG260 (610.BF130) Bag Filter Stack	PM	0.02	0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
610.BF430	Tank 3 to Aerated Bin Bottom 610.AS440, Tank 4 to Aerated Bin	PM	0.02	0.01

Emission Sources - Maximum Allowable Emission Rates

610.BF640	Bottom 610.AS470, Aerated Bin Bottoms 610.AS470 to 610.AS440, Bin Bottoms to Pneumatic Slide Gate 610.SG560 (610.BF480) Bag Filter Stack and 610.AS440 (TK3) to Air Gravity Conveyor 610.AS610, Air Gravity Conveyor 610.AS610, Aerated Bin Bottom AS470 (TK4) to Air Gravity Conveyor 610.AS620, Air Gravity Conveyor 610.AS620, Transfer Turn Box 610.AS6100 to Transfer Air Gravity Conveyor 610.AS630, Transfer Air Gravity Conveyor 610.AS630 (610.BF640) Bag Filter Stack	PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
		PM	0.01	0.01
175.DF01	FK Pump Transfer from Cement Silo to RL Silo (175.DF01) Bag Filter Stack	PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		PM	<0.01	<0.01
175.DF02	FK Pump Transfer from Cement Silo to RL Silo (175.DF02) Bag Filter Stack	PM	0.11	0.12
		PM <sub>10</sub>	0.07	0.08
		PM <sub>2.5</sub>	0.07	0.08
175.DF03	Loadout Rotary Gate 175 RG 02 to 175 TL 01 (175.DF03) Bag Filter Stack	PM	0.11	0.12
		PM <sub>10</sub>	0.07	0.08
		PM <sub>2.5</sub>	0.07	0.08
610.BF693	Transloading Truck to Railcar (610.BF693) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
610.BF650	Bottom Bucket Elevator 610.BE800, Top Bucket Elevator 610.BE800 to Vibrating Screen 610.VS810, Vibrating Screen to Air Gravity Conveyor 610.AS640, Air Gravity Conveyor 610.AS640, to Transfer Turn Box 610.AS641, to Air Gravity Conveyor 610.AS650700, Air Gravity Conveyor 610.AS700 (610.BF650) Bag Filter Stack	PM	0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
610.BF820	Vibrating Screen to Storage Silos 1 and 2 610.BI830, Silo 1 and 2 to Feed Screw Conveyor 610.SC833, , Screw Conveyor 610.SC833, to Bucket Elevator 610.BE840, Bucket Elevator to Screw Conveyor 610.SC841, Screw Conveyor, to RotoPacker 610.PM850, to Screw Conveyors 610.SC853, 610.C873, to Discharge Belt 610.BC852,	PM	0.01	0.02
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

	610.BW860, 610.BC870, 610.BC880, Belt Conveyor, to Palletizer 610.PL940, to Screw Conveyor 610.SC871, to Screw Conveyor 1 and 2 610.SC872, to Screw Conveyor 610.SC873 (610.BF820) Bag Filter Stack			
610.BF670	Air Gravity Conveyor 610.AS650 to Bin 610. BI660, to Bulk Bag Filler (610.BF670) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
531.BF580	Belt Conveyor 511.BC600, Bottom Bucket Elevator 531.BE050 Air Gravity Conveyor 531.AS420 (531.BF580) Bag Filter Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
531.BF500	Ball Mill 531.BM100, Air Gravity Conveyor 531.AS210 (531.BF500) Bag Filter Stack	PM	0.39	1.28
		PM <sub>10</sub>	0.39	1.28
		PM <sub>2.5</sub>	0.39	1.28
110.BF710	WC Raw Material Stockpiles (110.BF710) Bag Filter Stack	PM	0.02	--
		PM <sub>10</sub>	0.01	--
		PM <sub>2.5</sub>	0.01	--
110.BF720	WC Raw Material Stockpiles (110.BF720) Bag Filter Stack	PM	0.02	--
		PM <sub>10</sub>	0.01	--
		PM <sub>2.5</sub>	0.01	--
110BFCAP (110.BF710, 110.BF720)	WC Raw Material Stockpiles (110 BF.710/720) Bag Filter Annual Cap	PM	--	0.02
		PM <sub>10</sub>	--	0.01
		PM <sub>2.5</sub>	--	<0.01
Stockpile	Outdoor White Marble Stockpile (5)	PM	0.01	0.08
		PM <sub>10</sub>	0.03	0.04
		PM <sub>2.5</sub>	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) PM
  - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented.
  - PM<sub>10</sub>
    - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented.
  - PM<sub>2.5</sub>
    - particulate matter equal to or less than 2.5 microns in diameter
- (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) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: March 27, 2024