

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49124

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. 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 *	
			lb/hr	TPY
EPN 3	KC-1 Vent	PM	6.08	26.65
		PM ₁₀	3.04	13.32
EPN 5	Wet Process Dust Bin 16	PM	0.14	0.60
		PM ₁₀	0.07	0.30
EPN 14A	Clinker Additives 5, 6, and 7	PM	0.09	0.38
		PM ₁₀	0.04	0.19
EPN 17	Finish Mill 1 and 2 Separator	PM	0.64	2.82
		PM ₁₀	0.32	1.41
EPN 18	Finish Mill 1 and 2 Separator	PM	0.60	2.63
		PM ₁₀	0.30	1.31
EPN 18A	Silo 400 Baghouse Stack	PM	0.23	1.02
		PM ₁₀	0.12	0.51
EPN 19	Finish Mill 1 Fringe Bin	PM	0.13	0.56
		PM ₁₀	0.06	0.28
EPN 19A	Finish Mill 1 Separator	PM	0.60	2.63
		PM ₁₀	0.30	1.31
EPN 20	Finish Mill 5 Separators	PM	0.28	1.22
		PM ₁₀	0.14	0.61
EPN 21	Finish Mill 5	PM	4.29	18.77
		PM ₁₀	2.14	9.39
EPN 22	Cement Storage Silos	PM	0.60	2.63
		PM ₁₀	0.30	1.31

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			lb/hr	TPY
EPN 23A	Cement Storage Silos	PM	0.39	1.73
		PM ₁₀ 0.20	0.86	
EPN 23B	Cement Storage Silos	PM	0.12	0.52
		PM ₁₀ 0.06	0.26	
EPN 24	Storage Silo Loadout	PM	0.30	1.31
		PM ₁₀ 0.15	0.66	
EPN 28A	Cement Bulk Loadout	PM	0.30	1.31
		PM ₁₀ 0.15	0.66	
EPN 28B	Cement Bulk Loadout	PM	0.30	1.31
		PM ₁₀ 0.15	0.66	
EPN 29	Cement Bagging Bins	PM	0.27	0.34
		PM ₁₀ 0.14	0.17	
EPN 30	Cement Bagging Bins	PM	0.39	0.49
		PM ₁₀ 0.20	0.25	
EPN 37	No. 5 Fringe Bin	PM	0.26	1.31
		PM ₁₀ 0.13	0.56	
EPN 39A	Finish Mill 5 Feed Bins Baghouse	PM	0.60	2.63
		PM ₁₀ 0.30	1.31	
EPN F-Q-1	Quarry Dozing and Ripping	PM	-	9.76
		PM ₁₀	-	7.32
EPN F-P-3	Iron Ore Pile (4)	PM	-	0.13
		PM ₁₀	-	0.06
EPN F-P-4	Sand Pile (4)	PM	-	0.13
		PM ₁₀	-	0.06
EPN F-P-5	Marl Pile (4)	PM	-	0.13
		PM ₁₀	-	0.06

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			lb/hr	TPY
EPN F-P-6	CKD Loader (4)	PM	-	1.90
		PM ₁₀	-	0.49
EPN F-P-8	CKD (4)	PM	-	13.70
		PM ₁₀	-	6.48
EPN F-Q-2	Dozer Ripping Fugitives (4)	PM	-	1.85
		PM ₁₀	-	0.48
EPN F-Q-3	Quarry Loader (4)	PM	-	0.93
		PM ₁₀	-	0.24
EPN F-Q-5	Quarry Trucks (4)	PM	-	27.51
		PM ₁₀	-	7.15
EPN F-Q-7	Grader (4)	PM	-	0.04
		PM ₁₀	-	0.01
EPN F-R-4	Shuttle Belt Drop (4)	PM	0.32	0.11
		PM ₁₀	0.15	0.05
EPN F-R-5	RMS Feed Belt Transfer Drop (4)	PM	0.24	0.16
		PM ₁₀	0.11	0.08
EPN F-R-13	Tabernacle Loader (4)	PM	-	0.10
		PM ₁₀	-	0.03
EPN F-R-14	Tabernacle Loader Drop (4)	PM	0.24	0.14
		PM ₁₀	0.11	0.06
EPN F-R-15	Hopper Drop (4)	PM	0.16	0.09
		PM ₁₀	0.08	0.04
EPN F-R-16	Secondary Screen Drop (4)	PM	0.16	0.09
		PM ₁₀	0.08	0.04

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			lb/hr	TPY
EPN F-R-17	Belt Transfer Drop (4)	PM	0.16	0.09
		PM ₁₀	0.08	0.04
EPN F-R-18	Belt Drop (4)	PM	0.16	0.09
		PM ₁₀	0.08	0.04
EPN F-R-19	Hopper Drop (4)	PM	0.16	0.09
		PM ₁₀	0.08	0.04
EPN F-R-20	Raw Drop to Bins (4)	PM	0.16	0.09
		PM ₁₀	0.08	0.04
EPN F-R-21	Bins 1, 2, 3, and 4 (4)	PM	0.05	0.09
		PM ₁₀	0.03	0.04
EPN F-R-22	Belt Transfer to Mill Belt (4)	PM	0.05	0.09
		PM ₁₀	0.03	0.04
EPN F-R-23	Raw Drop to Mill (4)	PM	0.05	0.09
		PM ₁₀	0.03	0.04
EPN F-A-1	Additives Trucks (4)	PM	-	3.11
		PM ₁₀	-	0.61
EPN F-A-2	Additives Trucks Drop (4)	PM	0.56	1.40
		PM ₁₀	0.27	0.66
EPN F-A-3	Additives Loader (4)	PM	-	0.05
		PM ₁₀	-	0.01
EPN F-A-4	Additives Loader Drops (4)	PM	0.56	1.40
		PM ₁₀	0.27	0.66
EPN F-A-5	Additives Hopper Drop (4)	PM	0.28	0.70
		PM ₁₀	0.13	0.33
EPN F-A-7	Additives Building (4)	PM	-	0.13

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			lb/hr	TPY
		PM ₁₀	-	0.06
EPN F-A-8	Additives Drop (4)	PM	0.04	0.07
		PM ₁₀	0.02	0.03
EPN F-C-8	Clinker Belt Transfer (4)	PM	0.15	0.07
		PM ₁₀	0.07	0.03
EPN F-C-9	Drop to Shuttle Belt (4)	PM	0.15	0.07
		PM ₁₀	0.07	0.03
EPN F-LO-2	Clinker Trucks (4)	PM	-	2.92
		PM ₁₀	-	0.57
EPN F-P-11	CKD Wet Kin Pug Mill (4)	PM	0.19	0.20
		PM ₁₀	0.09	0.10
EPN F-C-3	Belt Drop to Finish Mill Bin (4)	PM	0.07	0.16
		PM ₁₀	0.04	0.08
EPN F-C-4	Shuttle Belt Drop to Finish Mill Bins (4)	PM	0.07	0.16
		PM ₁₀	0.04	0.08
EPN F-C-5	Bin 8 Drop to Belt (4)	PM	0.07	0.16
		PM ₁₀	0.04	0.08
EPN F-C-6	Weigh Belt Drops (4)	PM	0.07	0.16
		PM ₁₀	0.04	0.08
EPN F-C-7	Feed Belt Drop (4)	PM	0.07	0.16
		PM ₁₀	0.04	0.08
EPN F-C-10	Bins 5, 6, and 7 Drop (4)	PM	0.07	0.16
		PM ₁₀	0.04	0.08
EPN F-C-11	Enclosed Weigh Feeder Fugitives (4)	PM	0.45	0.70
		PM ₁₀	0.21	0.33

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EPN F-C-12	Feed Belt Drop (4)	PM	0.45	0.70
		PM ₁₀	0.21	0.33
EPN F-LO-1	Cement Tankers (4)	PM	-	28.50
		PM ₁₀	-	5.56
EPN F-PH-1	Bagging Machine Fugitives (4)	PM	0.06	0.12
		PM ₁₀	0.03	0.06
EPN F-PH-2	Bagged Cement Trucks (4)	PM	-	2.59
		PM ₁₀	-	0.51
EPN Blast-1	Abrasive Blasting (4)	PM	0.0015	0.00004
		PM ₁₀	0.0004	0.00001
EPN F-P-9	Limestone Pile (4)	PM	-	0.16
		PM ₁₀	-	0.07

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Maximum throughputs as follows:

<u>Crusher</u>	<u>Hourly</u>	<u>Annual</u>
Secondary Jaw-Wet	<u>300</u> tons	<u>750,000</u> tons

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			<u>lb/hr</u>	<u>TPY</u>

Dated October 4, 2002