

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 49047

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
EPN E3-2	Cooler Exhaust Stack	PM	30.52	133.68
		PM ₁₀	12.00	52.56
EPN E1-16A	Raw Storage (4)	PM	0.367	1.605
		PM ₁₀	0.173	0.759
EPN E2-3B	No. 2 Storage Shed (4)	PM	0.367	1.605
		PM ₁₀	0.173	0.759
EPN E2-10A	Overflow Pile (Fines) (4)	PM	0.367	1.607
		PM ₁₀	0.173	0.759
EPN E1-1A	FE To Quarry Haul (4)	PM	0.269	0.336
		PM ₁₀	0.127	0.159
EPN E1-3	Haul Truck To Hopper (FH-1) (4)	PM	0.134	0.168
		PM ₁₀	0.064	0.080
EPN E1-3A	Hopper 1 (FH-1) To Pan Feeder (4)	PM	0.040	0.051
		PM ₁₀	0.019	0.024
EPN E1-6	Pan Feeder To Belt 36 (4)	PM	0.040	0.051
		PM ₁₀	0.019	0.024
EPN E1-8	Belt 36 To Belt 1 (4)	PM	0.040	0.051
		PM ₁₀	0.019	0.024
EPN E1-8A	Belt 37 To Wobbler Feeder (4)	PM	0.040	0.051
		PM ₁₀	0.019	0.024
EPN E1-10A	Belt To Belt 22 (4)	PM	0.040	0.051
		PM ₁₀	0.019	0.024

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			lb/hr	TPY
EPN E1-12	Belt 1 To Belt 2 (4)	PM	0.040	0.051
		PM ₁₀ 0.019	0.024	
EPN E1-15	Belt 2 To Belt 34 (4)	PM	0.040	0.051
		PM ₁₀ 0.019	0.024	
EPN E1-17	Belt 38 To Belt 35 (4)	PM	0.040	0.051
		PM ₁₀ 0.019	0.024	
EPN E1-16	Belt 34 To Storage Building (4)	PM	0.269	0.366
		PM ₁₀ 0.127	0.159	
EPN E1-17A	Storage Building To Belt 35 (4)	PM	0.024	0.030
		PM ₁₀ 0.012	0.015	
EPN E1-18	Belt 3 To Belt 23 (4)	PM	0.040	0.051
		PM ₁₀ 0.019	0.024	
EPN E2-1	Belt 23 To Belt 10 (4)	PM	0.040	0.051
		PM ₁₀ 0.019	0.024	
EPN E2-5	FE Loader To Hopper 2 (FH-2) (4)	PM	0.161	0.135
		PM ₁₀ 0.076	0.064	
EPN E2-5A	Hopper 2 (FH-2) To Belt 10 (4)	PM	0.024	0.030
		PM ₁₀ 0.012	0.015	
EPN E2-2	Belt 10 To Belt 8 (4)	PM	0.024	0.030
		PM ₁₀ 0.012	0.015	
EPN E2-7	Belt 10 To Belt 6 (4)	PM	0.024	0.030
		PM ₁₀	0.012	0.015
EPN E2-3	Belt 10 To Belt 6 (4)	PM	0.022	0.028
		PM ₁₀	0.011	0.013
EPN E2-3A	Belt 8 To Storage Pile (4)	PM	0.039	0.032
		PM ₁₀	0.018	0.016

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			lb/hr	TPY
EPN E2-9	Belt 7 To Belt 40 (4)	PM	0.006	0.005
		PM ₁₀	0.003	0.003
EPN E2-9A	Belt To Surge Silo (4)	PM	0.009	0.011
		PM ₁₀	0.004	0.005
EPN E2-9B	Surge Silo To Extruder (4)	PM	0.009	0.011
		PM ₁₀	0.004	0.005
EPN E2-8	Belt 6 To Kiln Feed Bin (4)	PM	0.041	0.033
		PM ₁₀	0.019	0.016
EPN E2-8A	Kiln Feed To Feeder Belt (4)	PM	0.041	0.033
		PM ₁₀	0.019	0.016
EPN E2-13	Feeder Belt To Belt 9 (4)	PM	0.041	0.033
		PM ₁₀	0.019	0.016
EPN E2-11	Extruder To Belt 39 (4)	PM	0.009	0.011
		PM ₁₀	0.004	0.005
EPN E2-13A	Belt 39 To Belt 9 (4)	PM	0.009	0.011
		PM ₁₀	0.004	0.005
EPN E2-12	FE Loader To Hopper (4)	PM	0.039	0.048
		PM ₁₀	0.018	0.023
EPN E2-13B	Hopper 3 (FH-3) To Belt 9 (4)	PM	0.006	0.007
		PM ₁₀	0.003	0.003
EPN E2-10	Belt 40 To Overflow Pile (4)	PM	0.039	0.048
		PM ₁₀	0.018	0.023
EPN E1-4	Screen 8 (4)	PM	0.14	0.179
		PM ₁₀	0.07	0.085

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EPN E1-11	Screen 1 (4)	PM	0.16	0.199
		PM ₁₀	0.08	0.095
EPN E1-5	Primary Crusher (Jaw Crusher) (4)	PM	0.02	0.017
		PM ₁₀	0.01	0.008
EPN E1-9	Secondary Crusher (Roll Crusher) (4)	PM	0.11	0.095
		PM ₁₀	0.05	0.047
EPN E1-13	Tertiary Crusher (Roll Crusher) (4)	PM	0.11	0.095
		PM ₁₀	0.05	0.047
EPN E2-6	Screen 2 (4)	PM	0.10	0.119
		PM ₁₀	0.05	0.057
EPN E1-1	Quarry Drilling And Blasting (4)	PM	0.348	1.526
		PM ₁₀	0.180	0.788

- (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 throughput of 600 tons per hour and 1,500,000 tpy of rock (clay and shale).

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Emission	Source	Air Contaminant	<u>Emission Rates *</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY

Dated November 2, 2002