

# 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, 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 (4)	
			lbs/hour	TPY (5)
E3-2	Cooler Exhaust Stack	PM	30.52	133.68
		PM <sub>10</sub>	12.00	52.56
E1-16A	Raw Storage	PM	0.367	1.605
		PM <sub>10</sub>	0.173	0.759
E2-3B	No. 2 Storage Shed	PM	0.367	1.605
		PM <sub>10</sub>	0.173	0.759
E2-10A	Overflow Pile (Fines)	PM	0.367	1.605
		PM <sub>10</sub>	0.173	0.759
E1-1A	Front End Loader to Quarry Haul	PM	0.269	0.336
		PM <sub>10</sub>	0.127	0.159
E1-3	Haul Truck Drop to Hopper FH-1	PM	0.134	0.168
		PM <sub>10</sub>	0.064	0.080
E1-3A	Hopper 1 (FH-1) to Pan Feeder	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024
E1-6	Pan Feeder to Belt 36	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024
E1-8	Belt 36 to Belt 1	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024
E1-8A	Belt 37 to Wobbler Feeder	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024
E1-10A	Belt to Belt 22 Drop	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024
E1-12	Belt 1 to Belt 2	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024
E1-15	Belt 2 to Belt 34 Drop	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024
E1-16	Belt 34 to Storage Building	PM	0.269	0.366
		PM <sub>10</sub>	0.127	0.159
E1-17A	Storage Building to Belt 35 Drop	PM	0.024	0.030
		PM <sub>10</sub>	0.012	0.015
E1-18	Belt 3 to Belt 23 Drop	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024

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E2-1	Belt 23 to Belt 10 Drop	PM	0.040	0.051
		PM <sub>10</sub>	0.019	0.024
E2-5	Front End Loader Drop to Hopper 2 (FH-2)	PM	0.161	0.135
		PM <sub>10</sub>	0.076	0.064
E2-5A	Hopper 2 (FH-2) to Belt 10	PM	0.024	0.030
		PM <sub>10</sub>	0.012	0.015
E2-7	Belt 10 to Belt 6	PM	0.024	0.030
		PM <sub>10</sub>	0.012	0.015
E2-3	Belt 10 to Belt 6	PM	0.022	0.028
		PM <sub>10</sub>	0.011	0.013
E2-3A	Belt 8 to Storage Pile	PM	0.039	0.032
		PM <sub>10</sub>	0.018	0.016
E2-9	Belt 7 to Belt 40	PM	0.006	0.005
		PM <sub>10</sub>	0.003	0.003
E2-9B	Surge Silo to Extruder	PM	0.009	0.011
		PM <sub>10</sub>	0.004	0.005
E2-8	Belt 6 to Kiln Feed Bin	PM	0.041	0.033
		PM <sub>10</sub>	0.019	0.016
E2-8A	Kiln Feed to Feeder Belt	PM	0.041	0.033
		PM <sub>10</sub>	0.019	0.016
E2-13	Feeder Belt to Belt 9	PM	0.041	0.033
		PM <sub>10</sub>	0.019	0.016
E2-11	Extruder to Belt 39	PM	0.009	0.011
		PM <sub>10</sub>	0.004	0.005
E2-12	Front End Loader to Hopper	PM	0.039	0.048
		PM <sub>10</sub>	0.018	0.023
E2-13B	Hopper 3 (FH-3) to Belt 9	PM	0.006	0.007
		PM <sub>10</sub>	0.003	0.003
E2-10	Belt 40 to Overflow Pile	PM	0.039	0.048
		PM <sub>10</sub>	0.018	0.023
E1-4	Screen 8	PM	0.14	0.179
		PM <sub>10</sub>	0.07	0.085
E1-5	Primary Crusher (Jaw Crusher)	PM	0.02	0.017
		PM <sub>10</sub>	0.01	0.008
E1-9	Secondary Crusher (Roll Crusher)	PM	0.11	0.095
		PM <sub>10</sub>	0.05	0.047
E1-13	Tertiary Crusher (Roll Crusher)	PM	0.11	0.095
		PM <sub>10</sub>	0.05	0.047
E2-6	Screen 2	PM	0.10	0.119

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		PM <sub>10</sub>	0.05	0.057
E1-1	Quarry Drilling and Blasting	PM	0.348	1.526
		PM <sub>10</sub>	0.180	0.788
MSS-FUG	Fugitive Emissions from Material Handling System Maintenance	PM	0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		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.

Date: June 1, 2020