

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 ₁₀	12.00	52.56
E1-16A	Raw Storage	PM	0.367	1.605
		PM ₁₀	0.173	0.759
E2-3B	No. 2 Storage Shed	PM	0.367	1.605
		PM ₁₀	0.173	0.759
E2-10A	Overflow Pile (Fines)	PM	0.367	1.605
		PM ₁₀	0.173	0.759
E1-1A	Front End Loader to Quarry Haul	PM	0.269	0.336
		PM ₁₀	0.127	0.159
E1-3	Haul Truck Drop to Hopper FH-1	PM	0.134	0.168
		PM ₁₀	0.064	0.080
E1-3A	Hopper 1 (FH-1) to Pan Feeder	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E1-6	Pan Feeder to Belt 36	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E1-8	Belt 36 to Belt 1	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E1-8A	Belt 37 to Wobbler Feeder	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E1-10A	Belt to Belt 22 Drop	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E1-12	Belt 1 to Belt 2	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E1-15	Belt 2 to Belt 34 Drop	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E1-17	Belt 38 to Belt 35 Drop	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E1-16	Belt 34 to Storage Building	PM	0.269	0.366
		PM ₁₀	0.127	0.159
E1-17A	Storage Building to Belt 35 Drop	PM	0.024	0.030

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		PM ₁₀	0.012	0.015
E1-18	Belt 3 to Belt 23 Drop	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E2-1	Belt 23 to Belt 10 Drop	PM	0.040	0.051
		PM ₁₀	0.019	0.024
E2-5	Front End Loader Drop to Hopper 2 (FH-2)	PM	0.161	0.135
		PM ₁₀	0.076	0.064
E2-5A	Hopper 2 (FH-2) to Belt 10	PM	0.024	0.030
		PM ₁₀	0.012	0.015
E2-2	Belt 10 to Belt 8	PM	0.024	0.030
		PM ₁₀	0.012	0.015
E2-7	Belt 10 to Belt 6	PM	0.024	0.030
		PM ₁₀	0.012	0.015
E2-3	Belt 10 to Belt 6	PM	0.022	0.028
		PM ₁₀	0.011	0.013
E2-3A	Belt 8 to Storage Pile	PM	0.039	0.032
		PM ₁₀	0.018	0.016
E2-9	Belt 7 to Belt 40	PM	0.006	0.005
		PM ₁₀	0.003	0.003
E2-9A	Belt to Surge Silo	PM	0.009	0.011
		PM ₁₀	0.004	0.005
E2-9B	Surge Silo to Extruder	PM	0.009	0.011
		PM ₁₀	0.004	0.005
E2-8	Belt 6 to Kiln Feed Bin	PM	0.041	0.033
		PM ₁₀	0.019	0.016
E2-8A	Kiln Feed to Feeder Belt	PM	0.041	0.033
		PM ₁₀	0.019	0.016
E2-13	Feeder Belt to Belt 9	PM	0.041	0.033
		PM ₁₀	0.019	0.016
E2-11	Extruder to Belt 39	PM	0.009	0.011
		PM ₁₀	0.004	0.005
E2-13A	Belt 39 to Belt 9	PM	0.009	0.011
		PM ₁₀	0.004	0.005
E2-12	Front End Loader to Hopper	PM	0.039	0.048
		PM ₁₀	0.018	0.023
E2-13B	Hopper 3 (FH-3) to Belt 9	PM	0.006	0.007
		PM ₁₀	0.003	0.003
E2-10	Belt 40 to Overflow Pile	PM	0.039	0.048
		PM ₁₀	0.018	0.023

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E1-4	Screen 8	PM	0.14	0.179
		PM ₁₀	0.07	0.085
E1-11	Screen 1	PM	0.16	0.199
		PM ₁₀	0.08	0.095
E1-5	Primary Crusher (Jaw Crusher)	PM	0.02	0.017
		PM ₁₀	0.01	0.008
E1-9	Secondary Crusher (Roll Crusher)	PM	0.11	0.095
		PM ₁₀	0.05	0.047
E1-13	Tertiary Crusher (Roll Crusher)	PM	0.11	0.095
		PM ₁₀	0.05	0.047
E2-6	Screen 2	PM	0.10	0.119
		PM ₁₀	0.05	0.057
E1-1	Quarry Drilling and Blasting	PM	0.348	1.526
		PM ₁₀	0.180	0.788
MSS-FUG	Fugitive Emissions from Material Handling System Maintenance	PM	0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<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. Except for EPN E3-2, the cooler exhaust stack, all sources on this table are fugitive sources. Fugitive emission rates are estimates and are enforceable through compliance with the applicable special conditions and permit application representations.
- (3) PM - particulate matter emissions, as defined in Title 30 TAC § 101.1, including PM₁₀ and PM_{2.5}
PM₁₀ - particulate matter emissions equal to or less than 10 microns in diameter, including PM_{2.5}
PM_{2.5} - direct particulate matter emissions equal to or less than 2.5 microns in diameter
- (4) Planned maintenance, startup, and shutdown (MSS) emissions are included.
- (5) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.

Date: October 31, 2014