Emission Sources - Maximum Allowable Emission Rates

Permit Number 20618

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)
PL&GF	Plant Loading and Grizzly Feeder (5)	PM	0.11	0.27
		PM_{10}	0.04	0.10
		$PM_{2.5}$	0.01	0.02
PL&GF Drop	Plant Loading and Grizzly Feeder Drop (5)	PM	0.11	0.27
		PM_{10}	0.04	0.10
		$PM_{2.5}$	0.01	0.02
PCR	Primary Crusher (5)	PM	0.14	0.33
		PM_{10}	0.06	0.15
		$PM_{2.5}$	0.01	0.02
PC-1	Primary Conveyor 1 Transfer to Primary Conveyor 2 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PC-2	Primary Conveyor 2 Transfer to Primary Transfer Hopper (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PH Drop	Primary Transfer Hopper Drop to Primary Conveyors 3, 4 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PC-3	Primary Conveyor 3 Transfer to Surge Bin or Primary Conveyor 5 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PAN-1	Pan Feeder 1 Transfer to Primary Conveyor 6 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02

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PAN-2	Pan Feeder 2 Transfer to Primary Conveyor 7 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PC-6	Primary Conveyor 6 to Primary Conveyor 9 or 11 (5)	PM	0.01	0.03
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
PC-7	Primary Conveyor 7 Transfer to Primary Conveyor 8 or 9 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PES	Primary East Screen (5)	PM	0.46	2.03
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.02	0.11
PWS	Primary West Screen (5)	PM	0.46	2.03
		PM_{10}	0.16	0.71
		$PM_{2.5}$	0.02	0.11
PES Drop	Primary East Screen Drop to Primary Conveyor 9, 11 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PWS Drop	Primary West Screen Drop to Primary Conveyor 9, 11 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PC-8	Primary Conveyor 8 Transfer to Primary Conveyor 9 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PC-9	Primary Conveyor 9 Transfer to Primary Conveyor 10 (Stacker) (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PUF-1	Primary Underground Feeder 1 to Main Conveyor C-1 (5)	PM	0.03	0.08
		PM_{10}	0.01	0.03

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		$PM_{2.5}$	<0.01	0.01
PUF-2	Primary Underground Feeder 2 to Main Conveyor C-1 (5)	PM	0.03	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	0.01
PUF-3	Primary Underground Feeder 3 to Main Conveyor C-1 (5)	PM	0.03	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	0.01
PUF-4	Primary Underground Feeder 4 to Main Conveyor C-1 (5)	PM	0.03	0.08
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	0.01
MAIN C-1	Main Conveyor 1 Transfer to Main Conveyor 2(5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
MAIN C-2	Main Conveyor 2 Transfer to Main Conveyor 3 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PC-11	Primary Conveyor 11 Transfer to Primary Stacker 12 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
PC-12	Primary Conveyor / Stacker 12 transfer to Base Screen 1 or Stockpiles or Primary Conveyor 13 to Surge Pile (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
BS-1	Base Screen 1 (5)	PM	0.27	1.17
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.01	0.06
BS-1 Drop	Base Screen 1 Drop to Base Crusher or Base Conveyor 1 (5)	PM	0.03	0.12
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<0.01	0.01

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BCR	Base Crusher (5)	PM	0.01	0.05
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
BS-2	Base Screen 2 (5)	PM	0.27	1.17
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.01	0.06
BS-2 Drop	Base Screen 2 Drop to Base Conveyor 1, 2 (5)	PM	0.03	0.12
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<0.01	0.01
BC-1	Base Conveyor 1 Transfer to Base Stacker (BST) (5)	PM	0.03	0.12
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<0.01	0.01
BC-2	Base Conveyor 2 Transfer to Base Conveyor 3 (5)	PM	0.03	0.12
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<0.01	0.01
BC-3	Base Conveyor 3 Transfer to Base Conveyor 4 (5)	PM	0.03	0.12
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<0.01	0.01
BC-4	Base Conveyor 4 Transfer to Primary Conveyor 11 (5)	PM	0.03	0.12
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<0.01	0.01
SS-1	Secondary Screen 1 (5)	PM	1.49	3.61
		PM_{10}	0.50	1.21
		$PM_{2.5}$	0.04	0.08
SS-1 Drop	Secondary Screen 1 Drop to Main Conveyor 3, SC-1, SC-2 or SST-3 (5)	PM	0.11	0.27
		PM_{10}	0.04	0.10
		$PM_{2.5}$	0.01	0.02
SCR	Secondary Crusher (5)	PM	0.10	0.33
		PM_{10}	0.04	0.15

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	0.01	0.02
SC-1	Secondary Conveyor 1 Transfer to Secondary Stacker 1 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
SUF-1	Secondary Underground Feeder 1 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
LWASH C-1	Log Wash Conveyor 1 Transfer to Log Wash Conveyor 2 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
SC-2	Secondary Conveyor 2 Transfer to Secondary Stacker 2 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
MAIN C-3	Main Conveyor 3 Transfer to Main Conveyor 4 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
MAIN C-4	Main Conveyor 4 Transfer to Tertiary Conveyor 1 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
TC-1	Tertiary Conveyor 1 to Tertiary Stacker 1 (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
MAIN-UF	Main Underground Feeder (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
WEST-UF	West Underground Feeder (5)	PM	0.05	0.12
		PM_{10}	0.02	0.04
		$PM_{2.5}$	<0.01	0.01
EAST-UF	East Underground Feeder (5)	PM	0.05	0.12

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		PM_{10}	0.02	0.04
		$PM_{2.5}$	<0.01	0.01
CHOP	Cement Hopper (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
CHOP Drop	Cement Hopper Drop (5)	PM	0.09	0.23
		PM_{10}	0.03	0.08
		$PM_{2.5}$	0.01	0.02
TC-2	Tertiary Conveyor 2 Transfer to Tertiary Conveyor 3,4 (5)	PM	0.01	0.05
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
TCR-1	Tertiary Crusher (Max 550 TPH) (5)	PM	0.02	0.07
		PM_{10}	0.01	0.03
		$PM_{2.5}$	<0.01	<0.01
TCR-2	Tertiary Crusher 2 (Max 550 TPH) (5)	PM	0.07	0.29
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.01	0.02
TC-9	Tertiary Conveyor 9 Transfer to Tertiary Conveyor 10 (5)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
TC-10	Tertiary Conveyor 10 Transfer to Tertiary Conveyor 2(5)	PM	<0.01	0.02
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
SP-1	Stockpiles – Dry Material (20 Acres) (5)	PM	--	14.45
		PM_{10}	--	7.23
		$PM_{2.5}$	--	1.09
SP-2	Stockpiles - Washed Sand & Aggregate (30 Acres) (5)	PM	--	3.61
		PM_{10}	--	1.81
		$PM_{2.5}$	--	0.27

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TRL	Total of Truck and Rail Loading (5)	PM	0.04	0.12
		PM_{10}	0.01	0.04
		$PM_{2.5}$	<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.
(3) PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - 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: February 12, 2021