

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5983

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
S1	Raw Feed (4)	PM	3.25	1.95
		PM ₁₀	1.63	0.98
S3	Grizzly to Stock (4)	PM	0.000383	0.00023
		PM ₁₀	0.000182	0.000109
S4	Grizzly to Conveyor (4)	PM	0.0248	0.0149
		PM ₁₀	0.0118	0.00709
S5	Conveyor to Conveyor (4) 0.0149	PM	0.0248	0.0149
		PM ₁₀	0.0118	0.007
S6	Conveyor to Feeder (4)	PM	0.0618	0.0371
		PM ₁₀	0.0294	0.0177
S7	Feeder to Feeder (4)	PM	0.00371	0.00223
		PM ₁₀	0.00177	0.00106
S8	Feeder to Conveyor (4)	PM	0.00371	0.00223
		PM ₁₀	0.00177	0.00106
S9	Conveyor to Screen (4)	PM	0.00371	0.00223
		PM ₁₀	0.00177	0.00106
S10	Screen (4)	PM	0.0649	0.0389
		PM ₁₀	0.0309	0.0185

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			<u>lb/hr</u>	<u>TPY</u>
S11	Conveyor to Conveyor (4) 0.000968	PM		0.00161
		PM ₁₀	0.000768	0.000461
S12	Conveyor to Conveyor (4) 0.000968	PM		0.00161
		PM ₁₀	0.000768	0.000461
S13	Conveyor to Screen (4)	PM	0.0016	0.0010
		PM ₁₀	0.00077	0.00046
S14	Screen (4)	PM	0.0282	0.0169
		PM ₁₀	0.0134	0.00806
S15	Screen to Conveyor (4)	PM	0.000625	0.000375
		PM ₁₀	0.000298	0.000179
S16	Conveyor to Conveyor (4) 0.000375	PM		0.000625
		PM ₁₀	0.000298	0.000179
S17	Conveyor to Conveyor (4) 0.013	PM		0.0217
		PM ₁₀	0.0103	0.0062
S18	Conveyor to Bin (4)	PM	0.0217	0.013
		PM ₁₀	0.0103	0.0062
S19	Bin to Truck (4)	PM	0.0217	0.013
		PM ₁₀	0.0103	0.0062
S20	Screen to Conveyor (4)	PM	0.000988	0.000593
		PM ₁₀	0.00047	0.000282
S21	Conveyor to Stock (4)	PM	0.000988	0.000593

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			lb/hr	TPY
		PM ₁₀	0.00047	0.000282
S22	Screen to Conveyor (4)	PM	0.0021	0.00126
		PM ₁₀	0.000998	0.000599
S23	Conveyor to Stock (4)	PM	0.0021	0.00126
		PM ₁₀	0.000998	0.000599
S24	Feeder to Feeder (4)	PM	0.0581	0.0349
		PM ₁₀	0.0277	0.0166
S25	Feeder to Conveyor (4)	PM	0.0581	0.0349
		PM ₁₀	0.0277	0.0166
S26	Conveyor to Screen (4)	PM	0.0581	0.0349
		PM ₁₀	0.0277	0.0166
S27	Screen (4)	PM	1.02	0.61
		PM ₁₀	0.484	0.291
S28	Screen to Conveyor (4)	PM	0.0211	0.0127
		PM ₁₀	0.0101	0.0060
S29	Screen to Conveyor (4)	PM	0.037	0.0222
		PM ₁₀	0.0176	0.0106
S30	Conveyor to Crusher (4)	PM	0.056	0.0016
		PM ₁₀	0.0026	0.0033
S31	Crusher With Baghouse (4)		PM	0.068
	0.041	PM ₁₀	0.032	0.019
S32	Crusher to Conveyor (4)	PM	0.0056	0.0033
		PM ₁₀	0.0026	0.0016

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			<u>lb/hr</u>	<u>TPY</u>
SBH-1	Crusher Baghouse Stack	PM ₁₀	0.343	0.21
S33	Conveyor to Conveyor (4) 0.0222	PM		0.037
		PM ₁₀	0.0176	0.0106
S34A	Molten Slag Pot Dump (4) 5.25	PM		1.19
		PM ₁₀	1.19	5.25
S34B	Slag Skull Pot Dump (4)	PM	0.13	0.59
		PM ₁₀	0.07	0.29
S35	Front-End Loader Drop (4) 1.95	PM		0.44
		PM ₁₀	0.22	0.98
SBH-2/3	Ferro Cut Baghouse Stack 1.93	PM ₁₀		1.61
		NO _x	0.78	3.49
		CO	0.134	0.589
		VOC	0.021	0.092
S37	Stockpile (4)	PM	--	0.43
		PM ₁₀	--	0.21
S38	Plant Roads (4)	PM	--	21.26
		PM ₁₀	--	10.63

(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 - particulate

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			lb/hr	TPY

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.

NO_x - nitrogen oxides

CO - carbon monoxide

VOC - volatile organic compounds

(4) Fugitive emissions are an estimate only.

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

24 Hrs/day 7 Days/week 52 Weeks/year or Hrs/year

Maximum Slag Processing Rate: 250 tons/hour and 300,000 tons/year

Dated_____