

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3025A

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>	
			<u>lb/hr</u>	<u>TPY</u>
E4-1	Cooler Drag Drop (a, i)	PM	0.90	3.91
		PM <sub>10</sub>	0.43	1.85
E4-2	Drag Chain Drop (b, j)	PM	0.27	1.18
		PM <sub>10</sub>	0.13	0.56
E4-3	Cooler Drag Drop (g, n)	PM	1.34	2.61
		PM <sub>10</sub>	0.64	1.24
E4-4	Belt 11 Drop (d, h)	PM	0.45	0.12
		PM <sub>10</sub>	0.22	0.06
E4-5	Belt 12 Overflow Drop (d, h)	PM	2.98	0.75
		PM <sub>10</sub>	1.41	0.36
E4-7	Roll Crusher (d,l)	PM	0.54	2.37
		PM <sub>10</sub>	0.04	0.16
E4-8	Belt 13 Drop (d, l)	PM	0.45	1.96
		PM <sub>10</sub>	0.22	0.93
E4-8a	Belt 13 Emergency Kick Out (d, h)	PM	2.98	0.75
		PM <sub>10</sub>	1.41	0.36
E4-9	Belt 32 Drop (e, n)	PM	0.90	3.91
		PM <sub>10</sub>	0.43	0.64
E4-9a	Belt 33 Emergency Kick Out (e, h)	PM	2.05	0.26
		PM <sub>10</sub>	0.97	0.13
E4-10	Belt 33 Drop (e, n)	PM	0.31	1.35
		PM <sub>10</sub>	0.15	0.64

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			Tb/hr	TPY
E4-13	Finger Belt 29 Drop (d, l)	PM	1.03	4.48
		PM <sub>10</sub>	0.49	2.12
E4-14	Finger Belt 30 Drop (d, l)	PM	1.03	4.48
		PM <sub>10</sub>	0.49	2.12
E5-1	Finger Belt 14 Drop (d, l)	PM	1.03	4.48
		PM <sub>10</sub>	0.49	2.12
E5-2	Finger Belt 15 Drop (d, l)	PM	1.03	4.48
		PM <sub>10</sub>	0.49	2.12
E5-3	FE Loader Drop (d, l)	PM	2.98	13.02
		PM <sub>10</sub>	1.41	6.16
E5-3a	Charge Hopper Drop (c, k)	PM	0.13	0.54
		PM <sub>10</sub>	0.06	0.26
E5-4	Belt 9a/SC-3 Drop (c, k)	PM	0.13	0.54
		PM <sub>10</sub>	0.06	0.26
E5-4a	Belt 25 Drop (c, k)	PM	0.13	0.54
		PM <sub>10</sub>	0.06	0.26
E5-11	Belt 17 Drop (d, l)	PM	1.03	4.48
		PM <sub>10</sub>	0.49	2.12
E5-13	Belt 18 Drop (d, l)	PM	1.03	4.48
		PM <sub>10</sub>	0.49	2.12
E5-15	Belt 19 Drop (d, l)	PM	1.03	4.48
		PM <sub>10</sub>	0.49	2.12
E5-17	Belt 20 Drop (d, l)	PM	1.03	4.48
		PM <sub>10</sub>	0.49	2.12

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E5-18	Pile Drop (Belt 21) (e, n)	PM	0.31	1.35
		PM <sub>10</sub>	0.15	0.64
E5-18a	Pile Drop (Belt 32) (e, n)	PM	0.31	1.35
		PM <sub>10</sub>	0.15	0.64
E5-19	Fines Loadout System (o)	PM	0.93	4.05
		PM <sub>10</sub>	0.93	4.05
E6-1	Rim Grinder Discharge (o)	PM	11.35	49.71
		PM <sub>10</sub>	5.67	24.85
E6-2	Belt 23 Drop (d, l)	PM	0.16	0.68
		PM <sub>10</sub>	0.08	0.32
E6-3	Fine Bins L and N (o)	PM	0.43	1.88
		PM <sub>10</sub>	0.21	0.94
E6-4	Dust Bin Drop (Belt 21) (d, l)	PM	0.16	0.68
		PM <sub>10</sub>	0.08	0.32
E6-4a	Bin N Drop (Belt 21) (d, l)	PM	0.16	0.68
		PM <sub>10</sub>	0.08	0.32
E6-4b	Bin L Drop (Belt 21) (d, l)	PM	0.16	0.68
		PM <sub>10</sub>	0.08	0.32
E6-5	Screen System No. 4 (o)	PM	4.29	18.77
		PM <sub>10</sub>	2.14	9.39
E6-6	Load Out Silos (o)	PM	0.43	1.88
		PM <sub>10</sub>	0.21	0.94

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E6-7	Lightweight Storage	PM	0.57	2.50
		PM <sub>10</sub>	0.37	1.60
E6-7a	Kick-out Piles	PM	0.10	0.42
		PM <sub>10</sub>	0.07	0.27
E6-8	Truck Loadout (f, m)	PM	0.62	1.62
		PM <sub>10</sub>	0.30	0.77
E6-8a	Rail Loadout (g, m)	PM	0.93	1.62
		PM <sub>10</sub>	0.44	0.77
E8-1d	Crusher (p, q)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.02
E8-1f	Screen (p,q)	PM	0.03	0.06
		PM <sub>10</sub>	<0.01	0.02
E8-MH (4)	Material Handling (p, q)	PM	0.28	0.68
		PM <sub>10</sub>	0.13	0.32
E8-STK	Stockpiles	PM	--	0.03
		PM <sub>10</sub>	--	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. Fugitive emissions are an estimate only.

(3) PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

(4) Includes the following emission points: E8-1a, E8-1b, E8-1c, E8-1e, and drop from Screen E8-1f.

Emission rates are based on and the facilities are limited by the following production rates:

- (a) Maximum Hourly Production: 30 tons/hour
- (b) Maximum Hourly Production: 60 tons/hour
- (c) Maximum Hourly Production: 80 tons/hour
- (d) Maximum Hourly Production: 100 tons/hour
- (e) Maximum Hourly Production: 200 tons/hour
- (f) Maximum Hourly Production: 300 tons/hour
- (g) Maximum Hourly Production: 450 tons/hour
- (h) Maximum Annual Production: 50,000 ons/year
- (i) Maximum Annual Production: 262,800 ons/year
- (j) Maximum Annual Production: 525,600 ons/year
- (k) Maximum Annual Production: 700,800 tons/year
- (l) Maximum Annual Production: 876,000 ons/year
- (m) Maximum Annual Production: 1,576,800 tons/year
- (n) Maximum Annual Production: 1,752,000 tons/year
- (o) 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 8,760 Hrs/year

- (p) Maximum Hourly Throughput: 79 tons/hour
- (q) Maximum Annual Throughput: 379,200 tons/year

Dated June 13, 2007