

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. 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**
PF-3	Primary Crusher (4)	PM	0.54	1.31
		PM ₁₀	0.24	0.54
PF-3A	Secondary Crusher No. 1 (4)	PM	0.45	1.97
		PM ₁₀	0.20	0.89
PF-2	Screen at Primary Crusher (4)	PM	1.49	3.61
		PM ₁₀	0.50	1.22
PF-2A	Secondary Screen (4)	PM	0.83	3.61
		PM ₁₀	0.28	1.22
PF-7	Screen (4)	PM	0.14	0.63
		PM ₁₀	0.05	0.21
S-1	Secondary Screening (4)	PM	0.55	1.25
		PM ₁₀	0.19	0.42
S-3	Wet Screening (4)	PM	0.25	0.71
		PM ₁₀	0.08	0.24
CR-1	Primary Screening and Crusher Belts Baghouse	PM ₁₀	1.54	6.76
CR-2	Secondary Screening Belts and Secondary Crusher No. 2 Baghouse (Cedar Rapids Crusher)	PM ₁₀	2.57	11.26

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CR-3	Secondary Crusher No. 3 Baghouse	PM ₁₀	0.43	1.88
PF-1	Quarry Trucks Drop to Crusher Hopper (4)	PM PM ₁₀	0.05 0.02	0.11 0.05
TF-1	Screen Belt to Outhaul Belt (4)	PM PM ₁₀	0.09 0.03	0.23 0.08
TF-2	Outhaul Belt Drop to Stacker Belt (4)	PM PM ₁₀	0.09 0.03	0.23 0.08
TF-3	Crusher Outhaul Belt Drop to Stacker Belt (4)	PM PM ₁₀	0.09 0.03	0.23 0.08
TF-4	Base Feeders Drop to Overland Conveyor (4)	PM PM ₁₀	0.02 0.01	0.04 0.01
TF-5	Stone Feeders Drop to Overland Conveyor (4)	PM PM ₁₀	0.02 0.01	0.04 0.01
TF-6	Overland Conveyor Transfer Point (4)	PM PM ₁₀	0.05 0.02	0.12 0.04
TF-6A	Base Conveyor to Radial Stacker (4)	PM PM ₁₀	0.05 0.02	0.23 0.08
TF-6C	Screen Belt to Overland Conveyor (4)	PM PM ₁₀	0.05 0.02	0.23 0.08
TF-6D	Screen Belt to Radial Stacker (4)	PM PM ₁₀	0.05 0.02	0.23 0.08
TF-11	Screen Belts Drop to Base Belt (4)	PM PM ₁₀	0.02 0.01	0.07 0.02
TF-12	C-14 Drop to C-25 (4)	PM PM ₁₀	0.02 0.01	0.05 0.01

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TF-13	C-25 Drop to Stacker (4)	PM	0.02	0.06
		PM ₁₀	0.01	0.02
TF-14	Feeder Drop to C-27 (4)	PM	0.02	0.06
		PM ₁₀	0.01	0.02
TF-15	C-14 Drop to C-23 (4)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
TF-16	C-23 Drop to C-24 (4)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
TF-17	Base Belt Drop to Stacker (4)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
TF-18	C-24 Drop to C-28 (4)	PM	0.02	0.07
		PM ₁₀	0.01	0.02
TF-19	Oversize Drop to Stacker Belt (4)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
TF-20	C-30 Drop to Log Washer Belt (4)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
TF-20A	Conveyor Transfer to Radial Stacker (4)	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
TF-21	Log Washer Belt Drop to Stacker (4)	PM	0.14	0.40
		PM ₁₀	0.05	0.13
TF-22	Sand Washer Drop to Belt (4)	PM	0.02	0.05
		PM ₁₀	0.01	0.02
TF-23	Conveyor Belt to Stacker Belt (4)	PM	0.42	1.53
		PM ₁₀	0.14	0.50
TF-25	Stockpile to Feeder No. 1 (4)	PM	0.02	0.08
		PM ₁₀	0.01	0.03
TF-26	Stockpile to Feeder No. 2 (4)	PM	0.02	0.08
		PM ₁₀	0.01	0.03

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TF-27	Stockpile to Feeder No. 3 (4)	PM	0.02	0.08
		PM ₁₀	0.01	0.03
TF-28	Feeder No. 1 to Tunnel Belt (4)	PM	0.02	0.08
		PM ₁₀	0.01	0.03
TF-29	Feeder No. 2 to Tunnel Belt (4)	PM	0.02	0.08
		PM ₁₀	0.01	0.03
TF-30	Feeder No. 3 to Tunnel Belt (4)	PM	0.02	0.08
		PM ₁₀	0.01	0.03
TF-31	Tunnel Belt to Conveyor Belt (4)	PM	0.18	0.80
		PM ₁₀	0.06	0.26
TF-33	Screw Conveyor to Conveyor Belt (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
TF-34	Reversible Conveyor to Conveyor (4)	PM	0.22	0.98
		PM ₁₀	0.07	0.32
TF-35	Reversible Conveyor to Conveyor (4)	PM	0.08	0.37
		PM ₁₀	0.03	0.12
TF-36	Reversible Conveyor to Conveyor (4)	PM	0.08	0.37
		PM ₁₀	0.03	0.12
TF-37	Reversible Conveyor to Conveyor (4)	PM	0.10	0.43
		PM ₁₀	0.03	0.14
TF-38	Screen Drop to Belt (4)	PM	<0.01	0.02
		PM ₁₀	<0.01	0.01
TF-39	Screen Belt to Drop (4)	PM	<0.01	0.02
		PM ₁₀	<0.01	0.01
TF-40	Screen Belt to Drop (4)	PM	<0.01	0.02
		PM ₁₀	<0.01	0.01
UF-1	Under Pile Feeders to Transfer Belt (4)	PM	0.03	0.08
		PM ₁₀	0.01	0.03
SPFUG	Stockpiles (4, 5)	PM	---	13.27

PM₁₀

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6.64

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
- (4) Fugitive emissions are an estimate only.
- (5) Includes 20.76 acres of stockpiles designated as SP-1, SF-3, SF-4, SF-6, SF-8, SF-10, and SF-12 through SF-16.

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Primary Crusher (EPN PF-3)	4,500 Tons/hour	21,900,000 Tons/year
Secondary Crusher (EPN PF-3A)	2,500 Tons/hour	21,900,000 Tons/year
Total Facility		21,900,000 Tons/year

Dated June 18, 2008