

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 22116

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)
P1-1	Loader to Apron Feeder PF-1	PM	0.37	1.34
		PM <sub>10</sub>	0.12	0.44
		PM <sub>2.5</sub>	0.03	0.12
P1-4	Conv C1-A to Conv C2-A	PM	0.06	0.20
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	0.01	0.02
P1-5	Conv C2-A to Conv C8-A	PM	0.06	0.20
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	0.01	0.02
P1-6	Conv C8-A to Conv C9-A	PM	0.06	0.20
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	0.01	0.02
P1-7	Conv C9-A to Conv C10-A	PM	0.06	0.20
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	0.01	0.02
P1-8	Conv C10-A to Conv C11-A	PM	0.06	0.20
		PM <sub>10</sub>	0.02	0.07
		PM <sub>2.5</sub>	0.01	0.02
P1-9	Conv C11-A to Conv C12	PM	0.06	0.20
		PM <sub>10</sub>	0.02	0.07

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		PM <sub>2.5</sub>	0.01	0.02
P1-12	Scrubber to Conv C22	PM	0.05	0.18
		PM <sub>10</sub>	0.02	0.06
		PM <sub>2.5</sub>	<0.01	0.02
P1-13B	Screen 21 to Conv C24	PM	0.04	0.13
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
P1-14A, B	Conv C24 to Feeder	PM	0.04	0.13
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
P1-17	Conv C25 to Conv C15	PM	0.04	0.13
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
P1-18	Conv C23 to Conv C15	PM	0.01	0.05
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
P1-19	Conv C15 to Feeder F4	PM	0.03	0.09
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
P1-20	Conv C15 to Feeder F5	PM	0.03	0.09
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
P1-21	Feeder F5 to Conv C18-A	PM	0.03	0.09
		PM <sub>10</sub>	<0.01	0.03

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		PM <sub>2.5</sub>	<0.01	<0.01
P1-22	Conv C18-A to Conv C202	PM	0.03	0.09
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
P1-23	Conv C202 to Conv C203	PM	0.03	0.09
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
P1-24	Loader to Reclaim Hopper F6	PM	0.04	0.15
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	0.01
P1-25	Conv C16 to Conv C21 or C18-A	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
P1-26	Conv C21 to Conv C17	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
P1-27	Conv C17 to Conv C919	PM	0.03	0.09
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
P1-34	Conv C919 to Conv C919-A	PM	0.03	0.09
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
P1-28	Conv C919-A to Conv C923	PM	0.03	0.09

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		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
P1-29	Feeder F4 to Conv Conv C17	PM	0.03	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
P1-30	Feeder F4 to Conv C19	PM	0.03	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
P1-30B	Conv C19 to Conv C20	PM	0.03	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
P1-31B	Screen SS20 to Conv C15	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
P1-33	Conv C13 to Conv C14	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A-6	Conv 630 to Conv 631	PM	0.01	0.04
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A-7	Conv 631 to Log Washers	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A-8	Log Washers to	PM	<0.01	0.03

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	Conv 632			
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A-9	Conv 632 to Conv 501	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A-15	Top of SS6 to Conv 603	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A-17	Conv 725 to Conv 605	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A-22	Conv 727 to Conv 604	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
B-4	Conv 314 to Conv 316	PM	0.03	0.11
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
B-7	Conv 340 to Log Washers	PM	0.02	0.08
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
B-8	Conv 315 to Conv 340	PM	0.02	0.08
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01

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B-9	Log Washers to Conv 344	PM	0.02	0.08
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
B-11	Conv 320 to Conv 321	PM	0.02	0.08
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
B-13	Conv 137 to Conv 922	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A-32	Conv 607 to Conv 608	PM	0.02	0.06
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
A-91	Screen SS4 to Conv L-01	PM	0.02	0.06
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
A-92	Conv L-01 to Stack L-02	PM	0.02	0.06
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
D-1	Conv 529 to Conv 531	PM	0.01	0.05
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
D-5	Conv 530 to Conv 532	PM	0.01	0.05
		PM <sub>10</sub>	<0.01	0.02

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		PM <sub>2.5</sub>	<0.01	<0.01
P1-35	Riprap Drop to Pile	PM	0.04	0.15
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	0.01
A2-1	N Surge Drop to Pile	PM	0.21	0.76
		PM <sub>10</sub>	0.07	0.25
		PM <sub>2.5</sub>	0.02	0.07
A2-12	1" Material Drop to Pile	PM	0.01	0.05
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
A2-13	1-1/2" Material Drop to Pile	PM	0.02	0.06
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
A2-20	5/8" Material Drop to Pile	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A2-21	1/2" Material Drop to Pile	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
A2-23	Type D Material Drop to Pile	PM	0.02	0.06
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
B2-1	W Surge Drop to Pile	PM	0.17	0.61
		PM <sub>10</sub>	0.06	0.20

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		PM <sub>2.5</sub>	0.02	0.06
B2-12	Class A Material Drop to Pile	PM	0.08	0.28
		PM <sub>10</sub>	0.03	0.09
		PM <sub>2.5</sub>	<0.01	0.03
B2-14	Type D Material Drop to Pile	PM	0.03	0.12
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
D5-2	Belt 531 to Sand Stockpile	PM	0.03	0.10
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
D5-4	Belt 532 to Sand Stockpile	PM	0.03	0.09
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
D5-6	Belt 533 to Oversize Stockpile	PM	0.01	0.05
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
D5-10	Scrubber Sand Stockpile	PM	0.05	0.18
		PM <sub>10</sub>	0.02	0.06
		PM <sub>2.5</sub>	<0.01	0.02
S7-2	Loading Trucks and Railcars	PM	0.12	0.43
		PM <sub>10</sub>	0.04	0.14
		PM <sub>2.5</sub>	0.01	0.04
P1-2	MMD Crusher PC-1	PM	0.48	1.73
		PM <sub>10</sub>	0.21	0.78



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		PM <sub>2.5</sub>	0.04	0.14
P1-15	Secondary Crusher SC1	PM	0.15	0.55
		PM <sub>10</sub>	0.07	0.25
		PM <sub>2.5</sub>	0.01	0.05
P1-16	Secondary Crusher SC2	PM	0.15	0.55
		PM <sub>10</sub>	0.07	0.25
		PM <sub>2.5</sub>	0.01	0.05
P1-10	Scrubber RSC1	PM	0.66	2.40
		PM <sub>10</sub>	0.23	0.84
		PM <sub>2.5</sub>	0.03	0.13
P1-13	Screen SS21	PM	0.58	2.08
		PM <sub>10</sub>	0.20	0.73
		PM <sub>2.5</sub>	0.03	0.11
P1-31	Screen SS20	PM	0.15	0.54
		PM <sub>10</sub>	0.05	0.19
		PM <sub>2.5</sub>	<0.01	0.03
P1-32	Bucket Wheel	PM	0.08	0.27
		PM <sub>10</sub>	0.03	0.09
		PM <sub>2.5</sub>	<0.01	0.01
A2-4	Primary Crusher – Asphalt Plant	PM	0.16	0.59
		PM <sub>10</sub>	0.07	0.26
		PM <sub>2.5</sub>	0.01	0.05
A2-16	Secondary Crusher – Asphalt Plant	PM	0.06	0.23
		PM <sub>10</sub>	0.03	0.10
		PM <sub>2.5</sub>	<0.01	0.02

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A2-2-1	Screen 5	PM	0.23	0.82
		PM <sub>10</sub>	0.08	0.28
		PM <sub>2.5</sub>	0.01	0.04
A2-10	Screen 8	PM	0.11	0.41
		PM <sub>10</sub>	0.04	0.14
		PM <sub>2.5</sub>	<0.01	0.02
A2-11	Screen 7	PM	0.11	0.41
		PM <sub>10</sub>	0.04	0.14
		PM <sub>2.5</sub>	<0.01	0.02
A2-18	Screen 70	PM	0.09	0.32
		PM <sub>10</sub>	0.03	0.11
		PM <sub>2.5</sub>	<0.01	0.02
A2-19	Screen 6	PM	0.15	0.54
		PM <sub>10</sub>	0.05	0.19
		PM <sub>2.5</sub>	<0.01	0.03
A4-25	Screen 4	PM	0.21	0.77
		PM <sub>10</sub>	0.07	0.27
		PM <sub>2.5</sub>	0.01	0.04
B2-5	Primary Crusher – Concrete Plant	PM	0.27	0.98
		PM <sub>10</sub>	0.12	0.44
		PM <sub>2.5</sub>	0.02	0.08
B2-2	Screen 11	PM	0.24	0.88
		PM <sub>10</sub>	0.08	0.31
		PM <sub>2.5</sub>	0.01	0.05
B2-3	Screen 12	PM	0.24	0.88
		PM <sub>10</sub>	0.08	0.31

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		PM <sub>2.5</sub>	0.01	0.05
B2-6	Screen 319	PM	0.24	0.88
		PM <sub>10</sub>	0.08	0.31
		PM <sub>2.5</sub>	0.01	0.05
B2-10	Screen 13	PM	0.16	0.59
		PM <sub>10</sub>	0.06	0.20
		PM <sub>2.5</sub>	<0.01	0.03
B2-15	Screen 14	PM	0.16	0.59
		PM <sub>10</sub>	0.06	0.20
		PM <sub>2.5</sub>	<0.01	0.03
D5-3	Screen 52	PM	0.10	0.36
		PM <sub>10</sub>	0.03	0.13
		PM <sub>2.5</sub>	<0.01	0.02
D5-11	Screen 51	PM	0.10	0.36
		PM <sub>10</sub>	0.03	0.13
		PM <sub>2.5</sub>	<0.01	0.02
E-02	Quarry Stockpile	PM		0.32
		PM <sub>10</sub>		0.16
		PM <sub>2.5</sub>		0.02
P1-35	Riprap Stockpile	PM		0.32
		PM <sub>10</sub>		0.16
		PM <sub>2.5</sub>		0.02
A2-1	N Surge Stockpile	PM		0.63
		PM <sub>10</sub>		0.32
		PM <sub>2.5</sub>		0.05
A2-12	1" Material Stockpile	PM		0.19
		PM <sub>10</sub>		0.09

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		PM <sub>2.5</sub>		0.01
A2-13	1-1/2" Material Stockpile	PM		0.63
		PM <sub>10</sub>		0.32
		PM <sub>2.5</sub>		0.05
A2-20	5/8" Material Stockpile	PM		0.19
		PM <sub>10</sub>		0.09
		PM <sub>2.5</sub>		0.01
A2-21	1/2" Material Stockpile	PM		0.19
		PM <sub>10</sub>		0.09
		PM <sub>2.5</sub>		0.01
A2-23	Type D Material Stockpile	PM		0.19
		PM <sub>10</sub>		0.09
		PM <sub>2.5</sub>		0.01
B2-1	W Surge Stockpile	PM		0.63
		PM <sub>10</sub>		0.32
		PM <sub>2.5</sub>		0.05
B2-12	Class A Material Stockpile	PM		0.95
		PM <sub>10</sub>		0.47
		PM <sub>2.5</sub>		0.07
B2-14	Type D Material Stockpile	PM		0.16
		PM <sub>10</sub>		0.08
		PM <sub>2.5</sub>		0.01
D5-2	Sand Stockpile	PM		1.89
		PM <sub>10</sub>		0.95
		PM <sub>2.5</sub>		0.14
D5-4	Sand Stockpile	PM		1.89

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		PM <sub>10</sub>		0.95
		PM <sub>2.5</sub>		0.14
D5-6	Oversized Stockpile	PM		0.63
		PM <sub>10</sub>		0.32
		PM <sub>2.5</sub>		0.05
D5-10	Scrubber Sand Stockpile	PM		0.95
		PM <sub>10</sub>		0.47
		PM <sub>2.5</sub>		0.07
S7-2	Loadout Stockpile	PM		1.07
		PM <sub>10</sub>		0.54
		PM <sub>2.5</sub>		0.08
S7-1	Inventory Stockpile (Area 1)	PM		0.88
		PM <sub>10</sub>		0.44
		PM <sub>2.5</sub>		0.07
S7-1	Inventory Stockpile (Area 2)	PM		5.30
		PM <sub>10</sub>		2.65
		PM <sub>2.5</sub>		0.40
S7-1	Inventory Stockpile (Area 4)	PM		2.06
		PM <sub>10</sub>		1.03
		PM <sub>2.5</sub>		0.15
S7-1	Inventory Stockpile (Area 6)	PM		1.79
		PM <sub>10</sub>		0.89
		PM <sub>2.5</sub>		0.13
S7-1	Inventory Stockpile (Area 7)	PM		3.38
		PM <sub>10</sub>		1.69
		PM <sub>2.5</sub>		0.25

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S7-1	Inventory Stockpile (Area 8)	PM		9.82
		PM <sub>10</sub>		4.91
		PM <sub>2.5</sub>		0.74
S7-1	Inventory Stockpile (Area 10)	PM		0.22
		PM <sub>10</sub>		0.11
		PM <sub>2.5</sub>		0.02
S7-1	Inventory Stockpile (Area 11)	PM		1.72
		PM <sub>10</sub>		0.86
		PM <sub>2.5</sub>		0.13

- (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<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub>
    - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub>
    - 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: May 29, 2015