

Emission Sources - Maximum Allowable Emission Rates

Permit Number 6855

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 (10)	
			lbs/hour	TPY (4)
EPN 4	Crusher No. 1 (4)	PM	0.21	0.17
		PM ₁₀	0.10	0.08
EPN 9	Crusher No. 2 (4)	PM	0.96	0.78
		PM ₁₀	0.43	0.35
EPN 18	Crusher No. 3 (4)	PM	0.78	0.63
		PM ₁₀	0.35	0.29
EPN 45	Crusher No. 4 (4)	PM	0.62	0.50
		PM ₁₀	0.28	0.23
EPN 54	Crusher No. 5 (4)	PM	0.62	0.50
		PM ₁₀	0.28	0.23
EPN 2	Screen No. 1 (4)	PM	2.20	1.79
		PM ₁₀	0.74	0.60
EPN 6	Screen No. 2 (4)	PM	2.20	1.79
		PM ₁₀	0.74	0.60
EPN 10	Screen No. 3 (4)	PM	1.76	1.43
		PM ₁₀	0.59	0.48
EPN 13	Screen No. 4 (4)	PM	0.66	0.54
		PM ₁₀	0.22	0.18
EPN 25	Screen No. 5 (4) (6)	PM	0.11	0.09
		PM ₁₀	0.04	0.03

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EPN 36	Screen No. 6 (4) (6)	PM	0.11	0.09
		PM ₁₀	0.04	0.03
EPN 49	Screen No. 7 (4) (6)	PM	0.11	0.09
		PM ₁₀	0.04	0.03
EPN 51	Screen No. 8 (4) (6)	PM	0.11	0.09
		PM ₁₀	0.04	0.03
EPN 60	Wash Screen No. 1 (4) (7)	PM	0.09	0.07
		PM ₁₀	0.03	0.03
HNDL	Material Handling (4) (8)	PM	3.95	3.21
		PM ₁₀	1.30	1.06
EPN 68-72	Railcar Loading (4)	PM	0.30	0.48
		PM ₁₀	0.10	0.16
MTL	Unloading/Loading (4)	PM	0.21	0.17
		PM ₁₀	0.10	0.08
STK	Stockpiles (9)	PM	-.--	13.24
		PM ₁₀	-.--	6.62

- (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.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
- (4) Fugitive emissions are an estimate only.
- (5) The allowable emission rate values are the total allowable emissions from all the named emission points.
- (6) This emission source shall be fully enclosed.
- (7) The material in these processes is fully saturated in water.
- (8) The HNDL includes Emission Point Nos. (EPNs) 1, 3, 5, 7, 8, 11, 12, 14 - 17, 19 - 24, 26 - 35, 37 - 44, 46 - 48, 50, 52 - 53, 55 - 59, and 61 - 67.
The EPNs 22 - 24 and 46 - 48 are fully enclosed. The EPNs 31, 34, 35, and 61 are fully saturated.
- (9) Stockpile emissions based on 15 acres of active stockpiles and 10 acres of inactive stockpiles.
- (10) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

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

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

<u>Emission Source</u>		<u>Max Hourly Throughput</u>	<u>Max Annual Throughput</u>
EPN 2	Screen No. 1	1,000	1,625,000
EPN 4	Jaw Crusher No. 1	1,000	1,625,000
EPN 6	Screen No. 2	1,000	1,625,000
EPN 9	Crusher No. 2	800	1,300,000
EPN 10	Screen No. 3	800	1,300,000
EPN 13	Screen No. 4	300	487,500
EPN 18	Crusher No. 3	650	1,056,250
EPN 25	Screen No. 5	500	812,500
EPN 36	Screen No. 6	500	812,500
EPN 45	Crusher No. 4	515	836,875
EPN 49	Screen No. 7	500	812,500
EPN 51	Screen No. 8	500	812,500
EPN 54	Crusher No. 5	515	836,875
EPN 60	Wash Screen No. 1	358	581,750
	PLANT MAXIMUM	1,000	1,625,000

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

Dated March 12, 2014