

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
EPN 2	No. 1 Cement Kiln	NO _x	725.0	3176.0
		CO	100.0	438.0
		PM (FH)	27.5	121.0
		PM (Total)	62.4	274.0
		VOC	9.1	39.9
		SO ₂	1131.0	4954.0
EPN 3	No. 1 Clinker Cooler Stack	PM (FH)	6.60	29.0
EPN 6	No. 2 Cement Kiln	NO _x	725.0	3,176.0
		CO	100.0	438.0
		PM (FH)	27.5	121.0
		PM (Total)	62.4	274.0
		VOC	9.1	39.9
		SO ₂	1131.0	4954.0
EPN 7	No. 2 Clinker Cooler Stack	PM (FH)	6.60	29.0
EPN 12	No. 3 Cement Kiln	NO _x	725.0	3,176.0
		CO	100.0	438.0
		PM (FH)	19.8	86.7
		PM (Total)	54.7	240.0
		VOC	9.1	39.9
		SO ₂	1131.0	4954.0
EPN 13	No. 3 Clinker	PM (FH)	6.60	29.0

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	
<u>TPY</u>				
	Cooler Stack			
	Total SO ₂ Emissions From EPNs 2, 6, and 12	SO ₂	2100.0	9198.0
EPN 16	Fuel Oil Tank No. 1	VOC	0.4	1.8
EPN 17	Fuel Oil Tank No. 2	VOC	0.4	1.8
EPN 8-5	Fuel Unloading	VOC	0.2	0.9
EPN 6-1	Railcar Unloading Hopper 0.03	TSP		0.010
		PM ₁₀	0.005	0.012
EPN 6-2	Drop from Conveyor to Stack Conveyor	TSP PM ₁₀	0.06 0.03	0.02 0.01
EPN 6-3	Drop from Coal Stacker to Stock Pile	TSP PM ₁₀	0.090 0.043	0.197 0.094
EPN 6-4A	Truck Unloading to Stock Pile	TSP PM ₁₀	0.083 0.040	0.156 0.074
EPN 6-4B	Stock Pile	TSP PM ₁₀	0.3 0.1	1.0 0.6
EPN 6-5A	West Transfer from Stock Pile to Reclaim Hoppers	TSP PM ₁₀	0.034 0.016	0.099 0.047
EPN 6-5B	East Transfer from Stock Pile to Reclaim Hoppers	TSP PM ₁₀	0.034 0.016	0.099 0.047
EPN 6-6A	West Drop from Reclaim	TSP	0.004	0.011

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Emission Emission Rates *	Source	Air Contaminant		
Point No. (1)	Name (2)	Name (3)	lb/hr	
<u>TPY</u>				
	Hoppers to Conveyor	PM ₁₀	0.002	0.005
EPN 6-6B	East Drop from Reclaim	TSP	0.004	0.011
	Hoppers to Conveyor	PM ₁₀	0.002	0.005
EPN 6-6C	East Drop from Hopper	TSP	0.034	0.099
	Conveyors to	PM ₁₀	0.016	0.047
	Conveyor Crusher			
EPN 6-6D	West Drop from Hopper	TSP	0.034	0.099
	Conveyors to	PM ₁₀	0.016	0.047
	Conveyor Crusher			
EPN 6-6E	Drop from Conveyor	TSP	0.06	0.02
	to Crusher	PM ₁₀	0.03	0.01
EPN 6-7	Coal Crusher	TSP	0.068	0.197
		PM ₁₀	0.032	0.094
EPN 6-8	Drop from Crusher	TSP	0.06	0.02
	to Conveyor	PM ₁₀	0.03	0.01
EPN 6-9	Drop to Day Tank	TSP	0.008	0.022
		PM ₁₀	0.004	0.010
EPN 6-10	Inside Building	TSP	0.002	0.007
	Transfer Points	PM ₁₀	0.001	0.003
EPN 23	Railcar Unloading	TSP	0.006	0.002
	Baghouse	PM ₁₀	0.003	0.001

- (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.

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Emission	Source	Air Contaminant
<u>Emission Rates *</u>		
Point No. (1)	Name (2)	Name (3) lb/hr
TPY		

- (3) PM - particulate matter
PM(FH) - PM, front-half only
PM(Total) - PM, front- and back-half emissions
PM₁₀ - particulate matter less than 10 microns in diameter
TSP - total suspended particulate
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide

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

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

Dated _____