

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23214

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>				
1	Kiln No. 1 - Wet Scrubber Stack	PM ₁₀	27.90	122.30
		VOC	0.29	1.27
		NO _x	35.00	153.30
		SO ₂	58.30	255.40
		CO	25.00	109.50
2**	Hydrator Lime - Scrubber	PM ₁₀	1.5	3.0
8	1617 Crusher and Conveyor - Baghouse	PM ₁₀	0.21	0.94
9	1627 Screening and Conveying - Baghouse	PM ₁₀	0.21	0.94
10	Quicklime Loadout - Baghouse	PM ₁₀	0.6	1.75
11	Quicklime Silos - Baghouse	PM ₁₀	0.13	0.56
12	515 Rock Crusher - Baghouse	PM ₁₀	0.21	0.94
13	Blending/Truck Loadout - Baghouse	PM ₁₀	1.71	5.01

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TPY				
14	Dolomitic Lime Silo - Baghouse	PM ₁₀	0.09	0.38
15	720 Hydrator Air Separator - Baghouse	PM ₁₀	1.30	1.30
16	Hydration Silo Vent - Baghouse	PM ₁₀	0.09	0.09
17	Silo Bin Vent - Baghouse	PM ₁₀	0.04	0.04
18	Hydrated Lime Truck Loadout - Baghouse	PM ₁₀	0.09	0.04
23	Railcar Loading - Baghouse	PM ₁₀	0.21	0.86
24	Railcar Loading - Baghouse	PM ₁₀	0.04	0.17
REJSILO	Reject Silo Vent - Baghouse	PM ₁₀	0.13	0.06
CRUSH1	Limestone Crusher (4)	TSP PM ₁₀	0.02 0.01	0.03 0.01
SCRN1	Primary Screen - Baghouse	PM ₁₀	0.59	0.76
SCRN2	Secondary Screen - Baghouse	PM ₁₀	0.21	0.76
Fug-1	Limestone Material (4) Handling	TSP PM ₁₀		0.60 0.21

CC-1	Coke Crusher (4)	TSP	0.24	0.01
		PM ₁₀	0.12	<0.01
Fug-2, Fug-3	Coal/Coke Handling (4)	TSP		0.28
		PM ₁₀		0.14
Fug-2, Fug-3	Coal Stockpiles (4)	TSP		0.30
	(Rail and Plant Areas)	PM ₁₀		0.15

Permit No. 23214

Page 3

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- (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) TSP - total suspended particulate matter (including PM₁₀)
PM₁₀ - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the maximum hourly hydrated lime production rate of 15 tons and a maximum annual hydrated lime production rate of 60,000 tons.

Note: 60,000 tons/year is the maximum production rate of

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<u>TPY</u>			

hydrated lime from any one kiln or any combination of kilns.

- * This kiln contributes 23.8 percent of the annual emission rates specified for Emission Point Nos. 2, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 23, 24, and REJSILO. These emission points are shared by all three kilns; therefore, annual emission rates are the maximum allowable from any one kiln or all three kilns.
- * Emission rates are based on and the facilities are limited by the maximum hourly lime production rate of 12.5 tons and maximum annual lime production rate of 109,500 tons. Fuel for the kiln shall be a mixture of coke, coal, and natural gas. The total sulfur being fed to the kiln shall not exceed 292 pounds per hour. This facility shall comply with the following schedule:

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

Dated _____

