EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4335A

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
3E	Kiln No. 2 Scrubber One Stack	PM	14.70	64.40
		VOC	0.30	1.30
		NO_x	62.50	273.75
		SO_2	58.30	255.40
		CO	25.00	109.50
		H_2SO_4	0.44	1.92
3W	Kiln No. 2 Scrubber Two Stack	PM	14.70	64.40
		VOC	0.30	1.30
		NO_x	62.50	273.75
		SO_2	58.30	255.40
		CO	25.00	109.50
		H_2SO_4	0.44	1.92
2**	Hydrator Scrubber	PM_{10}	3.00	3.00
7	Cycal Tank Baghouse	PM_{10}	0.09	0.08
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}	0.60	1.75
11	Quicklime Silos	PM_{10}	0.13	0.56

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Baghouse

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AIR CONTAMINANTS DATA

Emission Point No. (1) *	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
12	515 Crusher Baghouse	PM_{10}	0.21	0.94
13	Blending/Truck Loadout Baghouse	PM_{10}	1.71	5.01
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
21	Cycal Loadout Baghouse	PM_{10}	0.09	0.22
22	Cycal Loadout Baghouse	PM_{10}	0.12	0.11
23	Railcar Loading Baghouse	PM_{10}	0.21	0.86
24	Railcar Loading Baghouse	PM_{10}	0.04	0.17
CRUSH1	Limestone Crusher (4)	PM	0.02	0.03
		PM_{10}	0.01	0.01
SCRN1	Crusher Primary Screen Baghouse	PM_{10}	0.29	0.38
REJSILO	Primary Screen Reject Stone	PM_{10}		0.13

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

0.06
Silo Baghouse

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
SCRN2	Crusher Secondary Screen Baghouse	PM_{10}	0.11	0.14
Fug-1	Limestone Handling (4)	PM	0.79	1.02
		PM_{10}	0.32	0.41
Cyc-1	Cycal Handling (4)	PM	3.36	3.10
		PM_{10}	0.14	1.60
CC-1	Coke Crusher (4)	PM	0.72	0.04
		PM_{10}	0.36	0.02
Fug-2, Fug-3	Coal/Coke Handling (4)	PM	0.09	0.56
		PM_{10}	0.04	0.28
Fug-2, Fug-3	Coal/Coke Stockpile (4) (Rail and Plant Areas)	PM		0.91
		PM_{10}		0.46

(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 - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter less than or equal to 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide

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H_2SO_4 - sulfuric acid

(4) Fugitive emissions are an estimate only.

** Emission rates are based on and the facilities are limited by the maximum hourly hydrated lime production rate of 30 tons and a maximum annual hydrated lime production rate of 60,000 tons.

Note: 60,000 tons/year is the maximum production rate of hydrated lime from any one kiln or any combination of kilns.

* Emission rates are based on and the facilities are limited by the maximum hourly lime production rate of 25 tons and maximum annual lime production rate of 219,000 tons. Fuel for the kiln shall be a mixture of coke, coal, and natural gas. The total sulphur being fed to the kiln shall not exceed 583.3 lb/hr. This facility shall comply with the hours of operation specified in the permit application and the following kiln operating schedule:

Hrs/day_____ Days/week_____ Weeks/year_____ or Hrs/year____
8,760 _____

Dated ___