

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) | lb/hr | <u>Emission Rates *</u> TPY | |
|---------------------------|--|-----------------------------|-------|--------------------------------|--|
| 3 | Kiln No. 2 Scrubbers Stacks | PM | 29.4 | 128.8 | |
| | | VOC | 0.6 | 2.6 | |
| | | NO _x | 70.0 | 306.6 | |
| | | SO ₂ | 116.6 | 510.8 | |
| | | CO | 50.0 | 219.0 | |
| 2 | Hydrator Scrubber** | PM ₁₀ | 3.0 | 3.0 | |
| 7 | Cycal Tank Baghouse | PM ₁₀ | 0.2 | 0.2 | |
| 8 | 1617 Crusher and Conveyor Baghouse | PM ₁₀ | 0.9 | 1.8 | |
| 9 | 1627 Screening and Conveying Baghouse | PM ₁₀ | 0.9 | 1.8 | |
| 10 | Quicklime Loadout Baghouse | PM ₁₀ | 1.2 | 2.3 | |
| 11 | Quicklime Silos Baghouse | PM ₁₀ | 0.3 | 0.5 | |
| 12 | 515 Crusher Baghouse | PM ₁₀ | 0.4 | 0.9 | |
| 13 | Blending/Truck Loadout Baghouse | PM ₁₀ | 3.4 | 6.5 | |
| 14 | Dolomitic Lime Silo Baghouse | PM ₁₀ | 0.2 | 0.3 | |
| 15 | 720 Hydrator Air Separator Baghouse | PM ₁₀ | 5.2 | 2.5 | |

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| | | | | |
|----|---------------------------------|------------------|-----|------|
| 16 | Hydration Silo Vent Baghouse | PM ₁₀ | 0.2 | 0.1 |
| 17 | Silo Bin Vent Baghouse | PM ₁₀ | 0.1 | <0.1 |

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates *</u> | |
|---------------------------|---|-----------------------------|-------------------------|---------------|
| | | | lb/hr | TPY |
| 18 | Hydrated Lime Truck Loadout Baghouse | PM ₁₀ | 0.2 | <0.1 |
| 21 | Cycal Loadout Baghouse | PM ₁₀ | 0.2 | 0.8 |
| 22 | Cycal Loadout Baghouse | PM ₁₀ | 0.2 | 0.2 |
| 23 | Railcar Loading Baghouse | PM ₁₀ | 0.4 | 0.8 |
| 24 | Railcar Loading Baghouse | PM ₁₀ | 0.1 | 0.2 |
| Fug-1 | Limestone Crusher (4) | TSP PM ₁₀ | <0.01 <0.01 | 0.01 <0.01 |
| Fug-1 | Limestone Crusher (4) Screen | TSP PM ₁₀ | 2.8 0.3 | 3.6 0.4 |
| Fug-1 | Limestone Handling (4) | TSP PM ₁₀ | | 0.6 0.2 |
| Cyc-1 | Cycal Handling (4) | TSP PM ₁₀ | | 3.1 1.6 |
| CC-1 | Coke Crusher (4) | TSP PM ₁₀ | 0.5 0.3 | <0.1 <0.1 |
| Fug-2, Fug-3 | Coal/Coke Handling (4) | TSP PM ₁₀ | | 0.5 0.2 |
| Fug-2, Fug-3 | Coal/Coke Stockpile (4) (Rail and Plant Areas) | TSP PM ₁₀ | | 0.6 0.3 |

- (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
 TSP - total suspended particulate matter (including PM₁₀)
 PM₁₀ - particulate matter less than 10 microns in diameter

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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 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 following schedule:

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

Dated_____

