

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PSD-TX-461M1

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* | |
|---------------------------|-------------------------------|-----------------------------|-----------------|-------|
| | | | lbs/hr | TPY |
| 1 | Vertical Kiln (coal fired) | TSP | 15.0 | 66.0 |
| | | PM10 | 15.0 | 66.0 |
| | | SO2 | 24.0 | 114.0 |
| | | NOx | 75.0 | 330.0 |
| | | CO | 50.0 | 220.0 |
| | | VOC | 0.47 | 2.1 |
| 1 | Vertical Kiln (gas fired) | TSP | 15.0 | 66.0 |
| | | PM10 | 15.0 | 66.0 |
| | | SO2 | 0.02 | 0.06 |
| | | NOx | 75.0 | 330.0 |
| | | CO | 50.0 | 220.0 |
| | | VOC | 0.17 | 0.75 |
| 2a | Coal Tank Vent | TSP | 0.17 | 0.75 |
| | | PM10 | 0.17 | 0.75 |
| 2d | Vibrating Feeder Discharge | TSP | 0.34 | 1.5 |
| | | PM10 | 0.34 | 1.5 |
| 2e | Conveyor Discharge | TSP | 0.34 | 1.5 |
| | | PM10 | 0.34 | 1.5 |
| 3c | Silo Vent Dust Collector | TSP | 0.34 | 1.5 |
| | | PM10 | 0.34 | 1.5 |
| 3d | Silo Loadout | TSP | 0.34 | 0.34 |
| | | PM10 | 0.34 | 0.34 |
| 4a | Baghouse near Silo | TSP | 0.34 | 1.5 |
| | | PM10 | 0.34 | 1.5 |
| 5 | Coal Tank | TSP | 0.17 | 0.75 |
| | | PM10 | 0.17 | 0.75 |
| 6 | Lime Transfer | TSP | 0.17 | 0.75 |

PM10

0.17

0.75

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| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates* | |
|---------------------------|-----------------------------|-----------------------------|-----------------|-------|
| | | | lbs/hr | TPY |
| 7 | Rotary Kiln (coal-fired) | TSP | 12.0 | 50.0 |
| | | PM10 | 12.0 | 50.0 |
| | | SO2 | 14.0 | 56.0 |
| | | NOx | 64.0 | 255.0 |
| | | CO | 46.0 | 183.0 |
| | | Formaldehyde | 0.02 | 0.08 |
| | | Manganese | <0.01 | 0.02 |
| | | Mercury | <0.01 | 0.01 |
| | | Nickel | 0.01 | 0.021 |
| | | Arsenic | <0.01 | 0.01 |
| | | Beryllium | <0.01 | <0.01 |
| | | Cadmium | <0.01 | <0.01 |
| | | Chromium | 0.01 | 0.06 |
| | | Copper | <0.01 | 0.01 |
| | | Lead | <0.01 | 0.01 |
| | | Sulfur Acid Mist | 0.23 | 1.0 |
| | | Fluorides | 0.10 | 0.46 |
| 7 | Rotary Kiln (gas-fired) | TSP | 12.0 | 50.0 |
| | | PM10 | 12.0 | 50.0 |
| | | SO2 | 0.5 | 2.0 |
| | | NOx | 64.0 | 255.0 |
| | | CO | 46.0 | 183.0 |
| | | VOC | 0.15 | 0.60 |
| 8 | Coal Unloading | TSP | 0.10 | 0.18 |
| | | PM10 | 0.05 | 0.09 |
| 9 | Stock Pile | TSP | 0.57 | 1.20 |
| | | PM10 | 0.30 | 0.72 |
| 10 | Fugitive from Road (4) | TSP | 0.01 | 0.03 |
| | | PM10 | 0.01 | 0.03 |

- (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) VOC - volatile organic compounds as defined in General Rule 101.1
PM10 - particulate matter less than 10 microns
TSP - total suspended particulate

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

CO - carbon monoxide

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

Hrs/day____Days/week____Weeks/year____or Hrs/year 8760

Emission rates are based on a maximum hourly production rate of 23 tons of lime.

Emission rates are based on a maximum annual production rate of 182,500 tons of lime.