

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17295

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 |
| 1-1 | 150 Mwe FBC Stack | TSP | 47.1 | 203.0 |
| | | PM ₁₀ ** | 47.1 | 203.0 |
| | | VOC*** | 1.4 | 6.2 |
| | | NO _x | 935.0 | 4098.0 |
| | | SO ₂ | 904.0 | 3961.0 |
| | | CO | 101.0 | 441.0 |
| | | H ₂ SO ₄ | 9.3 | 20.5 |
| | | Hg | 0.3 | 1.3 |
| | | Ni | 1.0 | 3.1 |
| 1-2 | Fly Ash Silo Vent | TSP | 0.21 | 0.23 |
| | | PM ₁₀ | 0.21 | 0.23 |
| 1-3 | Fly Ash Handling System | TSP | 0.54 | 2.37 |
| | | PM ₁₀ | 0.54 | 2.37 |
| 1-4 | Bottom Ash Bin Vent | TSP | 0.14 | 0.20 |
| | | PM ₁₀ | 0.14 | 0.20 |
| 1-5 | Standby Generator | TSP | 0.72 | 0.45 |
| | | PM ₁₀ | 0.72 | 0.45 |
| | | NO _x | 4.42 | 2.76 |
| | | SO ₂ | 0.33 | 0.21 |
| | | CO | 0.53 | 0.33 |
| 1-6 | Limestone Day Bin 1 | TSP | 1.29 | 1.40 |
| | | PM ₁₀ | 1.29 | 1.40 |
| 1-7 | Limestone Day Bin 2 | TSP | 1.29 | 1.40 |
| | | PM ₁₀ | 1.29 | 1.40 |
| 1-8 | Tripper Deck | TSP | 0.51 | 0.20 |
| | | PM ₁₀ | 0.51 | 0.20 |

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|---------------------------|--|-----------------------------|------------------|-------|
| | | | lb/hr | TPY |
| 1-9 | Na ₂ CO ₃ Silo Vent | TSP | 0.26 | 0.10 |
| | | PM ₁₀ | 0.26 | 0.10 |
| 1-10 | CaO Silo Vent | TSP | 0.26 | 0.033 |
| | | PM ₁₀ | 0.26 | 0.033 |
| 1-11 | Raw Limestone Product Silo East Baghouse Stack | TSP | 0.14 | 0.60 |
| | | PM ₁₀ | 0.14 | 0.60 |
| 1-12 | Raw Limestone Product Silo West Baghouse Stack | TSP | 0.14 | 0.60 |
| | | PM ₁₀ | 0.14 | 0.60 |
| 1-13 | Finish Limestone Product Silo East Baghouse Stack | TSP | 0.07 | 0.38 |
| | | PM ₁₀ | 0.07 | 0.38 |
| 1-14 | Finish Limestone Product Silo West Baghouse Stack | TSP | 0.07 | 0.38 |
| | | PM ₁₀ | 0.07 | 0.38 |
| 1-15 | Sand Product Silo East Baghouse Stack | TSP | 0.23 | 1.00 |
| | | PM ₁₀ | 0.23 | 1.00 |
| 1-16 | Sand Product Silo West Baghouse Stack | TSP | 0.23 | 1.00 |
| | | PM ₁₀ | 0.23 | 1.00 |

(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) 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

H₂SO₄ - sulfuric acid mist

Hg - total mercury emissions

Ni - total nickel emissions

Na₂CO₃ - sodium carbonate

TSP - total suspended particulate

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CaO - calcium oxide

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

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

- ** PM₁₀ emission rate is for front-half of sampling train only for Emission Point No. 1-1.

- *** Hourly VOC emissions from the fluidized bed combustor may vary by two orders of magnitude.

Dated_____

