EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. PSD-TX-714

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 | 170 MWe FBC Stack | TSP | 47.1 | 207.0 |
| | | $PM_{10}$** | 47.1 | 207.0 |
| | | VOC*** | 1.4 | 6.2 |
| | | $NO_x$ | 935.0 | 4098.0 |
| | | $SO_2$**** | 1200.0 | 3961.0 |
| | | CO | 101.0 | 441.0 |
| | | $H_2SO_4$ | 9.3 | 20.5 |
| | | Hg | 0.3 | 1.3 |
| | | Ni | 1.0 | 3.1 |
| 1-2 | Fly Ash Silo Vent | TSP | 0.89 | 1.2 |
| | | $PM_{10}$ | 0.89 | 1.2 |
| 1-3 | Fly Ash Handling System | TSP | 0.54 | 2.37 |
| | | $PM_{10}$ | 0.54 | 2.37 |
| 1-4 | Bottom Ash Bunker | 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 Roller Mill 1 East | TSP | | 1.29 |
| 1.40 | | | | |
| | | $PM_{10}$ | 1.29 | 1.40 |
| 1-7 | Limestone Roller Mill 2 West | TSP | | 1.29 |
| 1.40 | | | | |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| | | $PM_{10}$ | 1.29 | 1.40 |
| 1-8 | Tripper Deck | TSP | 0.51 | 0.20 |
| | | $PM_{10}$ | 0.51 | 0.20 |
| 1-9 | Hydrated Lime Storage Silo Vent | TSP | 0.26 | 0.10 |
| | | $PM_{10}$ | 0.26 | 0.10 |
| 1-10 | Quick Lime Storage 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 |
| 2-1 | 170 Mwe FBC Stack | TSP | 47.1 | 207.0 |
| | | $PM_{10}$** | 47.1 | 207.0 |
| | | VOC*** | 1.4 | 6.2 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| | | $NO_x$ | 935.0 | 4098.0 |
| | | $SO_2$**** | 1200.0 | 3961.0 |
| | | CO | 101.0 | 441.0 |
| | | $H_2SO_4$ | 9.3 | 20.5 |
| | | Hg | 0.3 | 1.3 |
| | | Ni | 1.0 | 3.1 |
| 2-2 | Fly Ash Silo Vent | TSP | 0.89 | 1.2 |
| | | $PM_{10}$ | 0.89 | 1.2 |
| 2-3 | Fly Ash Handling System | TSP | 0.54 | 2.37 |
| | | $PM_{10}$ | 0.54 | 2.37 |
| 2-4 | Bottom Ash Bunker | TSP | 0.14 | 0.20 |
| | | $PM_{10}$ | 0.14 | 0.20 |
| 2-5 | 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 |
| 2-6 | Limestone Roller Mill 1 East | TSP | 1.29 | 1.40 |
| | | $PM_{10}$ | 1.29 | 1.40 |
| 2-7 | Limestone Roller Mill 2 West | TSP | 1.29 | 1.40 |
| | | $PM_{10}$ | 1.29 | 1.40 |
| 2-8 | Tripper Deck | TSP | 0.51 | 0.20 |
| | | $PM_{10}$ | 0.51 | 0.20 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| 2-9 | Raw Limestone Product Silo East Baghouse Stack | TSP | 0.14 | 0.60 |
| | | $PM_{10}$ | 0.14 | 0.60 |
| 2-10 | Raw Limestone Product Silo West Baghouse Stack | TSP | 0.14 | 0.60 |
| | | $PM_{10}$ | 0.14 | 0.60 |
| 2-11 | Finish Limestone Product Silo East Baghouse Stack | TSP | 0.07 | 0.38 |
| | | $PM_{10}$ | 0.07 | 0.38 |
| 2-12 | Finish Limestone Product Silo West Baghouse Stack | TSP | 0.07 | 0.38 |
| | | $PM_{10}$ | 0.07 | 0.38 |
| 2-13 | Sand Product Silo East Baghouse Stack | TSP | 0.23 | 1.00 |
| | | $PM_{10}$ | 0.23 | 1.00 |
| 2-14 | Sand Product Silo West Baghouse Stack | TSP | 0.23 | 1.00 |
| | | $PM_{10}$ | 0.23 | 1.00 |
| C-1 | Lignite Transfer Tower 1 | TSP | 0.51 | 0.20 |
| | | $PM_{10}$ | 0.51 | 0.20 |
| C-2 | Lignite Transfer to Storage | TSP | 0.30 | 0.12 |
| | | $PM_{10}$ | 0.30 | 0.12 |
| C-3 | Lignite Stackout Chute | TSP | 3.75 | 1.50 |
| | | $PM_{10}$ | 3.75 | 1.50 |
| C-4 | Lignite Reclaimer | TSP | 4.88 | 1.95 |
| | | $PM_{10}$ | 4.88 | 1.95 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|
| C-5 | Lignite Reclaimer to Conveyor | TSP | 0.30 | 0.12 |
| | | $PM_{10}$ | 0.30 | 0.12 |
| C-6 | Lignite Stackout Chute | TSP | 3.75 | 1.50 |
| | | $PM_{10}$ | 3.75 | 1.50 |
| C-7 | Lignite Transfer Point | TSP | 0.30 | 0.12 |
| | | $PM_{10}$ | 0.30 | 0.12 |
| C-8 | Lignite Crusher Building | TSP | 0.51 | 0.20 |
| | | $PM_{10}$ | 0.51 | 0.20 |
| L-1 | Limestone Unloading | TSP | 0.51 | 0.28 |
| | | $PM_{10}$ | 0.51 | 0.28 |
| L-2 | Limestone Silo Vent | TSP | 0.26 | 0.03 |
| | | $PM_{10}$ | 0.26 | 0.03 |
| L-3 | Railcar Limestone Unloading | TSP | | 7.35 |
| | | $PM_{10}$ | | 0.29 |
| L-4 | Emergency Limestone Stockpile | TSP | | 5.64 |
| | | $PM_{10}$ | 5.64 | 0.22 |

(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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * lb/hr | TPY |
|---|---|---|---|---|

or fugitive source name.

(3) $PM_{10}$ - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
$NO_x$ - total oxides of nitrogen
$SO_2$ - sulfur dioxide
CO - carbon monoxide
$H_2SO_4$ - sulfuric acid mist
Hg - total mercury emissions
Ni - total nickel emissions
TSP - total suspended particulate

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* For Emission Point Nos. 1-1, 1-2, 1-13, 1-14, 2-1, 2-2, 2-11, and 2-12, 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

All other emission points are operated on an as needed basis, but not to exceed their annual emissions limits.

** $PM_{10}$ emission rate is for front-half of sampling train only for Emission Point Nos. 1-1 and 2-1.

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

**** Hourly $SO_2$ limits are based on a rolling three-hour average.

Dated_____