

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4180A

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<br>*<br>Point No. (1) | Source<br>Name (2)                | Air Contaminant<br>Name (3) | <u>Emission Rates</u> |           |
|--------------------------------|-----------------------------------|-----------------------------|-----------------------|-----------|
|                                |                                   |                             | lb/hr                 | TPY       |
| 6                              | Boiler Stack                      | NO <sub>x</sub>             | 2183.0                | 8054.8    |
|                                |                                   | SO <sub>2</sub>             | 6028.3                | **22394.7 |
| **                             |                                   | PM <sub>10</sub>            | 151.2                 | 567.1     |
|                                |                                   | CO                          | 126.3                 | 509.3     |
| FE-1                           | Lignite Truck Hopper              | PM <sub>10</sub> (4)        | 0.09                  | 0.14      |
| FE-2                           | Primary Lignite Braker            | PM <sub>10</sub> (4)        | 0.63                  | 0.83      |
| FE-3                           | Lignite Telescopic Chute<br>0.07  | PM <sub>10</sub> (4)        |                       | 0.09      |
| FE-4                           | Lignite Silos 1A, 1B              | PM <sub>10</sub> (4)        | 0.09                  | 0.03      |
| FE-5                           | Lignite Ready Pile                | PM <sub>10</sub> (4)        | 0.01                  | 0.03      |
| FE-6                           | Lignite Silo Reclaim              | PM <sub>10</sub> (4)        | 0.07                  | 0.12      |
| FE-7                           | Lignite Crusher Building<br>1.81  | PM <sub>10</sub> (4)        |                       | 1.10      |
| FE-8                           | Lignite Transfer Tower            | PM <sub>10</sub> (4)        | 0.04                  | 0.08      |
| FE-9                           | Lignite North Boiler Bins<br>0.04 | PM <sub>10</sub> (4)        |                       | 0.02      |
| FE-10                          | Lignite South Boiler Bins<br>0.04 | PM <sub>10</sub> (4)        |                       | 0.02      |

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|       |                                       |  |      |
|-------|---------------------------------------|--|------|
| FE-14 | Lignite Dead Storage Pile<br>0.61     | PM <sub>10</sub> (4)                           | 0.15 |
| FE-15 | Limestone Slurry/Ash Fixation<br>0.04 | PM <sub>10</sub> (4)                           | 0.01 |
| FE-16 | Limestone Slurry/Ash to Truck<br>0.03 | PM <sub>10</sub> (4)                           | 0.01 |
| FE-17 | Fly Ash Silo to Truck                 | PM <sub>10</sub> (4)                      0.01 | 0.01 |

(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<sub>10</sub>

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

(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 facility is limited by the following operating schedule:

24 Hrs/day 7 Days/week 48 Weeks/year or 8,064 Hrs/year

Based on a maximum hourly unloading rate of 1,400 tons and a maximum hourly handling rate of 480 tons (5,250 Btu/lb) of lignite to the facility's boiler, 50 tons per hour of limestone to the facility's ball mill, and 100 tons/hour of fly ash and a maximum annual throughput of 3,635,251 tons (5,200 Btu/lb) of lignite, 230,000 tons of limestone, and 774,174 tons of fly ash.

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\*\* Beginning in the year 2000, SO<sub>2</sub> tons per year will be limited to 17,075 (EPA, Acid Rain Program).

Dated \_\_\_\_\_