

# 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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
6	Boiler Stack 4,972.5 million Btu/hr** lignite fuel input	NO <sub>x</sub>	2486.3	8054.8
		SO <sub>2</sub>	5967.0**	17075.0
		PM <sub>10</sub>	151.2	567.1
		CO	1640.0	1180.0
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	PM <sub>10</sub> (4)	0.09	0.07
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	PM <sub>10</sub> (4)	1.10	1.81
FE-8	Lignite Transfer Tower	PM <sub>10</sub> (4)	0.04	0.08
FE-9	Lignite North Boiler Bins	PM <sub>10</sub> (4)	0.02	0.04
FE-10	Lignite South Boiler Bins	PM <sub>10</sub> (4)	0.02	0.04
FE-14	Lignite Dead Storage Pile	PM <sub>10</sub> (4)	0.15	0.61
FE-15	Limestone Slurry/Ash Fixation	PM <sub>10</sub> (4)	0.01	0.04
FE-16	Limestone Slurry/Ash to Truck	PM <sub>10</sub> (4)	0.01	0.03
FE-17	Fly Ash Silo to Truck	PM <sub>10</sub> (4)	0.01	0.01

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- (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 510 tons (or 4,972.5 million Btu) of lignite to the facility's boiler, 50 tons per hour of limestone to the facility's ball mill, and 100 tons per hour of fly ash and a maximum annual throughput of 3,500,000 tons (or 36,715,000 million Btu) of lignite, 240,000 tons of limestone, and 774,174 tons of fly ash. **(03/00)**

\*\* Three-hour averages. **(03/00)**

Dated\_\_\_\_\_