

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9015 and PSD-TX-325M2

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>	
			<u>lb/hr</u>	<u>TPY</u>
1	Steam Generator 6,800 MMBtu/hr (4)	NO <sub>x</sub>	3400.0	14892.0
			(30-day rolling average)	
		SO <sub>2</sub>	3410.0	14936.0
			(3-hour rolling average)	
		PM (Front-Half)	205.4	900.0
		CO	444.1	1945.0
			(30-day rolling average)	
		VOC	4.4	19.3

### **Fugitive PM Sources** (5)

FS1	Rotary Car Dumper	PM	2.38	1.74
		PM <sub>10</sub>	1.12	0.82
		Opacity		10 percent
FS2	Transfer - Coal to Storage	PM	13.28	9.69
		PM <sub>10</sub>	6.26	4.57
		Opacity		10 percent
FS3	Transfer-Coal Storage to Boiler Bins	PM	1.63	2.98
		PM <sub>10</sub>	0.77	1.41
		Opacity		10 percent
FS4	Active Coal Pile	PM	4.8	20.9
		Opacity		20 percent
FS5	Inactive Coal Pile	PM	4.8	21.2
		Opacity		10 percent

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
FS6	Limestone Car Dumper	PM No Visible Emissions	2.7	0.4
FS7	Transfer-Limestone to Storage	PM No Visible Emissions	0.4	<0.1
FS8	Transfer-Limestone Storage to Mill Bins	PM No Visible Emissions	0.2	<0.1
FS9	Inactive Limestone Storage	PM No Visible Emissions	<0.1	<0.1
FS10A	Fly Ash Handling (ESP)	PM Opacity	18.0	3.3 10 percent
FS10B	Fly Ash Handling (Economizer/Air Heaters)	PM Opacity	18.0	0.6 10 percent
<b>Total Fugitive Source Emissions</b>		PM		61.1

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

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

CO - carbon monoxide

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.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (30 TAC)

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- (4) The steam generator is limited to 20 percent opacity with one six-minute average opacity per hour not to exceed 27 percent in accordance with the exception of Title 40 Code of Federal Regulations § 60.42a(b) and in accordance with the limitations and conditions specified in 30 TAC § 111.111(a)(1)(E).
- (5) Fugitive emissions are an estimate only.

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

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

Dated July 26, 2005