

**Riverside
Toxic Release Inventory
For the Year**

2006

		% Ash (fuel)	Coal Heating Value
Boiler 9 Coal Burned	367,693.50 tons	5.20	8763 Btu/lb
Boiler 8 Coal Burned	55,899.03 tons	5.20	8763 Btu/lb
Boiler 7 Coal Burned	52,479.81 tons	5.20	8763 Btu/lb
Boiler 6 Coal Burned	5,209.67 tons	5.20	8763 Btu/lb
Total Coal	481,282.01 tons		
Total Ash	25,026.66 tons		
Fly Ash Generated	17,031.00 tons		
Bottom Ash Generated = (coal * a	7,995.66 tons		
Fly Ash Sold	6,327.00 tons		
Fly Ash shipped to LGS	10,704.00 tons		
Bottom Ash Sold	6,348.00 tons		
Fly Ash Point Source	0.53 tons		
Fly Ash Fugitive Source	0.49 tons		
Boiler Stack PM Total	193.53 tons		
Ash Water Flow	395.90 million gallons		

Metals										
Chemical	Arsenic	Barium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Vanadium	Zinc
Air Release	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
Boiler 9 Coal	151	513	120	15	160	180	40	100	9	15
Boiler 8 Coal	20	78	20	2	20	20	0	20	1	2
Boiler 7 Coal	20	73	20	2	20	20	0	20	1	2
Boiler 6 Coal	0	7	0	0	0	0	0	0	0	0
Fly Ash Point Source Dust Released	0.0	2.7	0.0	0.1	0.1	0.2	0	0.0	0.1	0.1
Fly Ash Fugitive Dust Released	0.0	2.5	0.0	0.1	0.1	0.2	0	0.0	0.1	0.1
Total Air Releases	191	676	160	20	200	220	40	140	12	20
Chemical Emission Factor lbs/ton		0.0013940		0.0000408					0.0000255	0.0000410
Chemical Concentration lbs/ton coal - wet	0.001613	0.485507	0.007033	0.0176798	0.003721	0.025844	0.000118	0.004691	0.0220046	0.0142734
Waste Release										
Chemical ppm (flyash)	26	2570	27	74	52	185	0.04	34	89	78
Chemical ppm (bottom ash)	22	2640	26	50	12	193	0.025	32	74	33
	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs	Lbs
Fly Ash	438	155,804	2,247	6,991	1,552	8,086	14	1,496	7,986	6,319
Bottom Ash	147	76,935	978	1,498	39	4,078	3	622	2,592	531
Fly Ash Sold	-163	-57,881	-835	-2,597	-577	-3,004	-5	-556	-2,967	-2,347
Bottom Ash Sold	-117	-61,081	-777	-1,190	-31	-3,238	-2	-494	-2,058	-422
Fly Ash Shipped to LGS	275	97,923	1,412	4,394	975	5,082	9	940	5,019	3,971
Check Sums										
Total metal in coal -air emission	586	232,990	3,225	8,489	1,591	12,218	17	2,118	10,578	6,850
Fly Ash metal + Bottom Ash metal	586	232,739	3,225	8,489	1,591	12,164	17	2,118	10,578	6,850
Landfilled (Fly Ash)	275	97,923	1,412	4,394	975	5,082	9	940	5,019	3,971
Impoundment (Bottom Ash)	30	15,854	202	309	8	840	1	128	534	109
Total Waste Releases	306	113,777	1,614	4,703	983	5,923	10	1,068	5,553	4,081
Water Releases										
Chemical ppm (ash water)	0.00000	0.23300	0.00000		0.00000	0.04900	0.00000	0.00000		
Water Releases	0	756	0	0	0	159	0	0	0	0
Total Water Releases	0	756	0	0	0	159	0	0	0	0
Total Releases All Media	497	115,210	1,774	4,722	1,183	6,302	50	1,208	5,566	4,101
Total Manufactured	939	291,296	4,220	11,106	2,367	15,389	62	2,813	13,557	9,217
Total Manufactured (lowest weight oxide)	1,240	325,378	5,519	13,905	2,550	19,867	62	3,579	19,943	11,475

Acid Gases			
Chemical	Hydrochloric Acid	Hydrogen Fluoride	Sulfuric Acid
Air Release	Lbs	Lbs	Lbs
Boiler 9 Coal	47,800	25,420	3,813
Boiler 8 Coal	7,260	3,860	650
Boiler 7 Coal	6,820	3,620	610
Boiler 6 Coal	680	360	61
Total Air Releases	62,560	33,260	5,132
Waste Releases			
No significant releases			
Total Waste Releases	0	0	0
Water Releases			
No significant releases			
Total Water Releases	0	0	0
Total Releases All Media	62,560	33,260	5,132
Total Manufactured	62,560	33,260	5,132

Dioxin and Dioxin-Like Compounds**Air Release**

Boiler combustion Emission Factor from EPRI 4.66E-05 Lbs/trillion Btu
Grams/Lbs 453.59

Grams

Boiler 9 Coal Burned 0.14
Boiler 8 Coal Burned 0.02
Boiler 7 Coal Burned 0.02
Boiler 6 Coal Burned 0.00
Total Air Releases 0.18

Waste Releases

No significant releases

Total Waste Releases 0.00

Water Releases

No significant releases

Total Water Releases 0.00

Total Releases All Media 0.18

Total Manufactured 0.18