

AEP System Total: Inventory for 2008

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2008 Generation 166,024,492 megawatthours
2008 Coal Burn 153,327,650,000 pounds

Chemical	AEP System Total Estimated TRI Releases for 2008 (Pounds)				Total
	Air	Water	On-site Land	Off-site Transfer	
Antimony	259	120	32,260	0	32,639
Arsenic	8,567	12,245	704,427	112,001	837,240
Barium	44,935	66,010	9,520,795	840,727	10,472,467
Beryllium	232	17	62,660	11,000	73,909
Cadmium	0	0	0	0	0
Chromium	14,276	1,777	1,170,165	1,694,176	2,880,395
Cobalt	4,825	958	435,215	55,000	495,998
Copper	9,488	51,269	1,544,260	535,900	2,140,917
Lead	8,378	745	646,564	92,576	748,263
Manganese	20,905	13,417	2,347,395	366,230	2,747,947
Mercury	9,194	19	5,531	675	15,419
Nickel	17,180	6,463	1,032,685	749,200	1,805,528
Selenium	69,445	5,608	153,852	13,505	242,411
Silver	0	0	0	0	0
Thallium	115	33	103,235	0	103,383
Vanadium	14,865	651	2,408,715	319,000	2,743,231
Zinc	33,255	20,671	1,558,711	213,000	1,825,637
Hydrochloric Acid Aerosol	48,767,400	(b)	(b)	(b)	48,767,400
Hydrogen Fluoride	3,980,000	0	0	0	3,980,000
Sulfuric Acid Aerosol	6,406,900	(b)	(b)	(b)	6,406,900
Ammonia	27,450	8,926	0	0	36,376
Chlorine	0	3,710	0	0	3,710
Benzo(g,h,i)perylene	3	0	0	0	3
PACs	61	0	0	0	61
Dioxins (grams)	19	0	0	0	19
Dioxins (ounces)	1	0	0	0	1
Dioxins (ounces TEQ) (c)	0	0	0	0	0
	Air	Water	On-site Land	Off-site Transfer	0
Totals (a)(b)(d)(e)(f)(g)	59,437,732	192,639	21,726,470	5,002,990	86,359,831

- Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.
(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.
(c) Toxic equivalent; see AEP.Com for further explanation.
(d) AEP System TRI reportable numbers include 1,230; 441; 264; 151 and 95 megawatts of generation capacity owned by others at Cardinal, Conesville, Flint Creek, Oklaunion and Pirkey power plants, respectively. Numbers do not include 262 megawatts of generation at Dolet Hills power plant (located in Louisiana, 650 megawatts total) owned by AEP and operated by CLECO.
(e) U.S. EPA reporting rules require that the Conesville coal preparation plant be combined with the Conesville power plant as a single reporting facility.
(f) Transfer includes quantities of the chemical substance sent off-site for disposal.
(g) AEP owns and operates sixteen power plants in Arkansas, Indiana, Louisiana, Ohio, Oklahoma, Texas and West Virginia that are primarily fueled by natural gas. Of these none met the requirements to report TRI releases in 2007.