

AEP System Total: Inventory for 2012

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2012 Generation 118,661,483 megawatthours
2012 Coal Burn 116,290,300,000 pounds

AEP System Total Estimated TRI Releases for 2012 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	208	100	36,550	0	36,858
Arsenic	3,434	6,097	485,443	90,166	585,139
Barium	23,147	57,789	8,944,090	744,878	9,769,904
Beryllium	70	14	35,995	10,000	46,079
Cadmium	0	0	0	0	0
Chromium	12,395	864	838,520	913,769	1,765,548
Cobalt	2,377	439	289,205	130,000	422,021
Copper	5,415	34,643	1,159,630	350,400	1,550,088
Lead	4,061	294	470,751	81,015	556,121
Manganese	12,285	8,426	1,981,400	261,850	2,263,961
Mercury	3,969	9	6,282	866	11,126
Nickel	12,801	6,185	730,395	432,100	1,181,481
Selenium	21,345	3,174	104,335	26,302	155,156
Silver	0	0	0	0	0
Thallium	102	36	102,215	0	102,353
Vanadium	7,151	0	1,784,480	290,000	2,081,631
Zinc	18,181	4,714	1,147,600	170,000	1,340,495
Hydrochloric Acid Aerosol	10,808,990	(b)	(b)	(b)	10,808,990
Hydrogen Fluoride	1,577,000	0	0	0	1,577,000
Sulfuric Acid Aerosol	3,964,300	(b)	(b)	(b)	3,964,300
Ammonia	21,780	7,409	0	0	29,189
Chlorine	0	0	0	0	0
Benzo(g,h,i)perylene	2	0	0	0	2
PACs	45	0	0	0	45
Dioxins (grams)	14	0	0	0	14
Dioxins (ounces)	0	0	0	0	0
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)	16,499,058	130,191	18,116,891	3,501,347	38,247,487

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.