

AEP System Total: Inventory for 2011

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2011 Generation 139,068,247 megawatthours
2011 Coal Burn 131,846,302,000 pounds

AEP System Total Estimated TRI Releases for 2011 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	192	110	33,910	0	34,212
Arsenic	5,330	10,290	569,709	113,748	699,077
Barium	29,480	62,319	9,430,790	880,296	10,402,885
Beryllium	121	23	53,530	12,000	65,674
Cadmium	0	0	0	0	0
Chromium	13,010	1,546	969,970	1,013,697	1,998,223
Cobalt	3,134	797	359,455	63,000	426,386
Copper	7,279	36,686	1,319,785	405,500	1,769,250
Lead	5,733	444	539,399	97,460	643,037
Manganese	15,475	8,950	2,205,190	310,160	2,539,775
Mercury	4,836	10	7,028	1,003	12,878
Nickel	14,550	7,140	857,670	465,800	1,345,160
Selenium	32,540	7,524	120,220	327,425	487,709
Silver	0	0	0	0	0
Thallium	100	37	104,075	0	104,212
Vanadium	10,056	1	2,048,790	341,000	2,399,847
Zinc	24,005	4,232	1,308,585	221,000	1,557,822
Hydrochloric Acid Aerosol	20,262,000	(b)	(b)	(b)	20,262,000
Hydrogen Fluoride	2,300,000	0	0	0	2,300,000
Sulfuric Acid Aerosol	5,056,900	(b)	(b)	(b)	5,056,900
Ammonia	25,647	6,115	0	0	31,762
Chlorine	0	0	0	0	0
Benzo(g,h,i)perylene	2	0	0	0	2
PACs	51	0	0	0	51
Dioxins (grams)	16	0	0	0	16
Dioxins (ounces)	1	0	0	0	1
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals (a)(b)(d)(e)(f)(g)	Air 27,810,441	Water 146,226	On-site Land 19,928,106	Off-site Transfer 4,252,089	Total 52,136,862

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.