

AEP System Total: Inventory for 2014

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2014 Coal Burn 118,260,362,000 pounds

AEP System Total Estimated TRI Releases for 2014 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	105	0	29,225	0	29,330
Arsenic	2,877	8,631	513,355	111,906	636,769
Barium	15,597	69,448	9,276,095	706,118	10,067,258
Beryllium	81	26	46,390	10,000	56,497
Cadmium	0	0	0	0	0
Chromium	7,655	1,208	889,680	355,567	1,254,110
Cobalt	2,055	751	313,690	55,000	371,496
Copper	4,954	36,638	1,211,130	228,476	1,481,198
Lead	3,139	8,543	504,790	221,391	737,863
Manganese	9,672	9,291	2,197,790	250,192	2,466,945
Mercury	4,781	71	6,503	106,928	118,282
Nickel	9,135	6,251	781,570	210,176	1,007,132
Selenium	24,110	7,252	127,569	33,575	192,506
Silver	0	0	0	0	0
Thallium	108	33	100,875	0	101,016
Vanadium	5,551	1	1,884,390	286,000	2,175,942
Zinc	32,507	29,869	1,156,840	170,009	1,389,226
Hydrochloric Acid Aerosol	13,171,070	(b)	(b)	(b)	13,171,070
Hydrogen Fluoride	1,629,850	0	0	0	1,629,850
Sulfuric Acid Aerosol	4,606,700	(b)	(b)	(b)	4,606,700
Ammonia	89,482	5,459	0	0	94,941
Chlorine	0	0	0	0	0
Benzo(g,h,i)perylene	2	0	0	0	2
PACs	48	0	0	0	48
Dioxins (grams)	15	0	0	0	15
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)	19,619,479	183,473	19,039,892	2,745,337	41,588,180

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.