

AEP System Total: Inventory for 2016

2016 Coal Burn 85,415,396,000 pounds

AEP System Total Estimated TRI Releases for 2016 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	66	0	22,185	0	22,251
Arsenic	1,031	3,586	341,437	88,957	435,011
Barium	5,518	30,492	6,088,465	773,851	6,898,326
Beryllium	47	0	32,837	11,000	43,885
Cadmium	0	0	0	0	0
Chromium	4,137	366	586,373	639,765	1,230,641
Cobalt	1,457	415	238,178	56,000	296,050
Copper	2,446	1,881	810,842	281,300	1,096,469
Lead	1,495	81	333,239	77,936	412,751
Manganese	5,173	39,318	1,550,233	240,820	1,835,544
Mercury	660	7	6,166	1,337	8,170
Nickel	5,230	1,402	528,889	318,400	853,921
Selenium	17,460	1,753	95,557	26,146	140,916
Silver	0	0	0	0	0
Thallium	57	14	65,500	0	65,571
Vanadium	2,685	0	1,285,020	270,000	1,557,705
Zinc	15,634	962	797,552	170,000	984,148
Hydrochloric Acid Aerosol	461,740	(b)	(b)	(b)	461,740
Hydrogen Fluoride	609,040	0	0	0	609,040
Sulfuric Acid Aerosol	2,655,090	(b)	(b)	(b)	2,655,090
Ammonia	35,425	36,067	0	0	71,492
Chlorine	0	0	0	0	0
Benzo(g,h,i)perylene	1	0	0	0	1
PACs	31	0	0	0	31
Dioxins (grams)	11	0	0	0	11
Dioxins (ounces)	0	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals (a)(b)(d)(e)(f)(g)	3,824,434	116,345	12,782,474	2,955,512	19,678,764

Notes (a) The management and release of substances with a "0" value are 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) 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.

(d) U.S. EPA reporting rules require that the Conesville coal preparation plant be combined with the Conesville power plant as a single reporting facility.

(e) Transfer includes quantities of the chemical substance sent off-site for disposal.

(f) AEP owns and operates power plants in Arkansas, Kentucky, Louisiana, Ohio, Oklahoma, Texas, Virginia, and West Virginia that are primarily fueled by natural gas. Of these, none met the requirements to report TRI releases in 2016.

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