

AEP System Total: Inventory for 2013

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2013 Coal Burn 112,624,946,000 pounds

AEP System Total Estimated TRI Releases for 2013 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	183	98	31,100	0	31,381
Arsenic	3,574	4,451	427,609	88,278	523,912
Barium	22,685	56,282	9,145,165	804,476	10,028,609
Beryllium	100	18	49,057	11,000	60,175
Cadmium	0	0	0	0	0
Chromium	8,529	1,411	773,175	1,072,281	1,855,396
Cobalt	2,396	505	281,054	56,000	339,955
Copper	5,410	34,288	1,138,535	383,200	1,561,433
Lead	4,251	298	466,314	90,687	561,550
Manganese	12,165	10,720	2,083,775	277,690	2,384,350
Mercury	4,394	10	6,383	873	11,661
Nickel	10,258	5,676	681,085	488,700	1,185,719
Selenium	14,590	2,635	82,300	25,111	124,636
Silver	0	0	0	0	0
Thallium	92	46	97,915	0	98,053
Vanadium	7,339	0	1,790,905	270,000	2,068,244
Zinc	18,107	4,041	1,133,732	170,000	1,325,880
Hydrochloric Acid Aerosol	10,170,280	(b)	(b)	(b)	10,170,280
Hydrogen Fluoride	1,414,671	0	0	0	1,414,671
Sulfuric Acid Aerosol	3,916,540	(b)	(b)	(b)	3,916,540
Ammonia	34,663	8,524	0	0	43,187
Chlorine	0	0	0	0	0
Benzo(g,h,i)perylene	2	0	0	0	2
PACs	44	0	0	0	44
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)	15,650,273	129,004	18,188,105	3,738,296	37,705,678

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.