

AEP System Total: Toxics Release Inventory for 2006

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2006 Generation 18,887,395 megawatthours
2006 Coal Burn 149,521,740,000 pounds

AEP System Total Estimated TRI Releases for 2006 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	370	2,411	34,493	0	37,274
Arsenic	8,116	6,206	666,579	85,200	766,101
Barium	65,445	57,097	9,571,720	776,329	10,470,591
Beryllium	209	0	51,690	11,000	62,899
Chromium	15,040	1,141	1,102,195	151,247	1,269,623
Cobalt	3,879	768	419,600	54,000	478,247
Copper	10,007	41,902	1,475,207	194,000	1,721,116
Lead	8,673	548	605,003	88,266	702,490
Manganese	21,545	26,824	2,110,364	194,000	2,352,733
Mercury	7,897	184	4,415	608	13,104
Nickel	16,350	14,872	942,847	126,000	1,100,069
Selenium	134,735	2,628	96,455	13,175	246,993
Thallium	106	51	93,185	0	93,342
Vanadium	14,975	790	2,273,261	297,000	2,586,026
Zinc	32,025	14,277	1,374,217	206,000	1,626,519
Hydrochloric Acid Aerosol	77,069,800	(b)	(b)	(b)	77,069,800
Hydrogen Fluoride	5,188,000	0	0	0	5,188,000
Sulfuric Acid Aerosol	7,719,300	(b)	(b)	(b)	7,719,300
Ammonia	22,900	15,671	0	0	38,571
Chlorine	0	3,124	0	0	3,124
Benzo(g,h,i)perylene	2.3	0	0	0	2
PACs	59	0	0	0	59
Dioxins (grams)	18.5	0	0	0	18
Dioxins (ounces)	1	0	0	0	1
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals (a)(b)(d)(e)(f)(g)(h)	90,339,372	188,494	20,821,231	2,196,825	113,545,923

- 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) Actual reportable release estimates submitted to the U.S. EPA and state agencies may be slightly different due to completion of this table prior to the July 1, 2007 filing deadline for calendar year 2006. The differences may be mostly attributable to rounding differences.
(g) Transfer includes quantities of the chemical substance sent off-site for disposal.
(h) AEP owns and operates eleven power plants in Arkansas, Louisiana, Oklahoma and Texas that are primarily fueled by natural gas. Of these only one met the requirements to report TRI releases in 2006 and will report quantities of benzo(g,h,i)perylene and PACs totaling, in sum, less than one (1) pound.