

AEP System Total: Toxics Release Inventory for 2005

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2005 Generation -- 163,976,553 megawatthours; 2005 Coal Burned -- 149,521,740,000 pounds

AEP System Total Estimated TRI Releases for 2005
(pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	330	2,318	25,600	0	28,248
Arsenic Compounds	8,635	7,558	732,235	84,614	833,041
Barium Compounds	60,645	57,891	9,349,117	629,759	10,097,412
Beryllium Compounds	261	13	66,261	8,000	74,535
Chromium Compounds	14,194	1,462	1,200,481	121,670	1,337,807
Cobalt Compounds	2,848	860	463,768	42,000	509,476
Copper Compounds	9,191	41,828	1,582,630	155,000	1,788,649
Lead Compounds	8,808	523	658,811	69,085	737,227
Manganese Compounds	20,457	28,262	2,278,574	155,001	2,482,294
Mercury Compounds	8,697	8	4,436	501	13,641
Nickel Compounds	15,653	17,345	1,051,255	105,000	1,189,253
Selenium Compounds	86,245	3,885	117,705	10,115	217,950
Thallium Compounds	108	97	96,525	0	96,730
Vanadium Compounds	15,719	781	2,490,912	240,370	2,747,782
Zinc Compounds	33,810	14,977	1,577,977	157,001	1,783,765
Hydrochloric Acid Aerosol	76,723,405	(b)	(b)	(b)	76,723,405
Hydrogen Fluoride	5,449,000	0	0	0	5,449,000
Sulfuric Acid Aerosol	8,921,800	(b)	(b)	(b)	8,921,800
Ammonia	25,555	16,198	5	0	41,758
Chlorine	35	3,149	0	0	3,184
Benzo(g,h,i)perylene	2	0	0	0	2
PACs	60	0	0	0	60
Dioxins (ounces)	0.67	0	0	0	0.67
Dioxins (ounces TEQ) (h)	0.02	0	0	0	0.02
Totals(a)(b)(c)(d)(e)(f)(g)	91,405,458	197,154	21,696,292	1,778,116	115,077,020

Notes: (a) 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.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) AEP will report chlorine, ammonia and ethylene glycol to the TRI on a "Form A" report at a number of plants. The Form A report is used when less than 1 million pounds of a substance is managed at a reporting facility and when less than an estimated 500 pounds of the substance is released to air, land or water.

(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) 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, 2006 filing deadline for calendar year 2005. The differences may be mostly attributable to rounding differences.

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

(g) 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 2005 and will report quantities of benzo(g,h,i)perylene and PACs totaling, in sum, less than one (1) pound.

(h) Toxic equivalent; see AEP.Com for further explanation.

