

## AEP System Total: Inventory for 2010

**Contact Person:** Paul Loeffelman; **Telephone:** (614) 716-1243  
**2010 Generation** 143,096,091 megawatthours  
**2010 Coal Burn** 135,226,604,000 pounds

### AEP System Total Estimated TRI Releases for 2010 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	200	100	32,910	0	33,210
Arsenic	5,935	11,226	617,396	84,509	719,066
Barium	31,202	64,509	9,479,260	678,495	10,253,465
Beryllium	181	14	57,437	9,400	67,032
Cadmium	0	0	0	0	0
Chromium	11,570	1,137	1,027,170	1,107,235	2,147,112
Cobalt	3,394	889	374,665	48,000	426,948
Copper	7,554	34,569	1,398,255	375,200	1,815,578
Lead	6,474	487	574,182	76,005	657,148
Manganese	16,505	7,799	2,251,682	250,630	2,526,616
Mercury	6,219	17	5,275	802	12,313
Nickel	13,200	6,709	899,330	472,001	1,391,240
Selenium	32,535	5,044	116,877	22,264	176,720
Silver	0	0	0	0	0
Thallium	143	211	117,030	2,900	120,284
Vanadium	10,990	690	2,162,339	240,000	2,414,019
Zinc	25,695	8,096	1,417,286	160,000	1,611,077
Hydrochloric Acid Aerosol	24,689,280	(b)	(b)	(b)	24,689,280
Hydrogen Fluoride	2,543,000	0	0	0	2,543,000
Sulfuric Acid Aerosol	5,068,000	(b)	(b)	(b)	5,068,000
Ammonia	26,830	5,628	0	0	32,458
Chlorine	0	3,560	0	0	3,560
Benzo(g,h,i)perylene	2	0	0	0	2
PACs	52	0	0	0	52
Dioxins (grams)	16	0	0	0	16
Dioxins (ounces)	1	0	0	0	1
Dioxins (ounces TEQ) (c)	0	0	0	0	0
	<b>Air</b>	<b>Water</b>	<b>On-site Land</b>	<b>Off-site Transfer</b>	<b>0</b>
<b>Totals (a)(b)(d)(e)(f)(g)</b>	32,498,961	150,684	20,531,094	3,527,441	56,708,180

- 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.