

AEP System Total: Inventory for 2023

Contact Person: David Miller; Telephone: (614) 716-2281
2023 Coal Burn 31,926,114,000 pounds

AEP System Total TRI Releases for 2023 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	204	190	81,635	1,039,625	1,121,654
Barium	1,788	393,607	2,128,045	346,973	2,870,413
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	1,395	62	143,680	62,890	208,027
Cobalt	335	53	35,410	24,000	59,798
Copper	767	14,692	215,725	74,000	305,184
Lead	649	779	95,004	33,877	130,309
Manganese	2,502	109,407	400,945	79,000	591,854
Mercury	174	21	1,624	534	2,353
Nickel	1,663	3,628	137,215	52,100	194,606
Selenium	2,375	5	11,102	11,238	24,720
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	670	(a)	373,360	120,000	494,030
Zinc	4,479	4,192	215,502	76,000	300,173
Hydrochloric Acid Aerosol	177,590	(b)	(b)	(b)	177,590
Hydrogen Fluoride	228,600	(a)	(a)	(a)	228,600
Sulfuric Acid Aerosol	659,760	(b)	(b)	(b)	659,760
Ammonia	37,315	23,968	(a)	(a)	61,283
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	1	(a)	(a)	(a)	1
PACs	15	(a)	(a)	(a)	15
Dioxins (grams)	6	(a)	(a)	(a)	6
Dioxins (ounces)	(a)	(a)	(a)	(a)	(a)
Dioxins (ounces TEQ) (c)	(a)	(a)	(a)	(a)	(a)
	Air	Water	On-site Land	Off-site Transfer	Total
Totals (a)(b)(d)(e)(f)(g)	1,120,288	550,604	3,839,247	1,920,237	7,430,375

- 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) TEQ = Toxic Equivalent
(d) AEP System TRI reportable numbers include 264, 173, and 95 megawatts of generation capacity owned by others at Flint Creek, John W Turk and Pirkey power plants, respectively. Totals do not include 595 megawatts of AEP-owned generation at Cardinal power plant (operated by Buckeye Power).
(e) "Off-site Transfer" includes quantities of the chemical substance sent off-site for disposal.
(f) AEP owns and operates power plants in Arkansas, Indiana, 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 2023.
(g) All above data was submitted to the U.S. EPA in June 2024 and is considered pending.