

AEP System Total: Inventory for 2022

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2022 Coal Burn 41,337,210,000 pounds

AEP System Total TRI Releases for 2022 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	337	123	118,749	51,558	170,767
Barium	1,740	383,335	3,347,045	324,283	4,056,403
Beryllium	9	(a)	13,505	(a)	13,514
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	2,296	1,643	223,530	226,715	454,184
Cobalt	340	41	40,160	26,000	66,541
Copper	965	14,675	327,815	116,300	459,755
Lead	713	746	134,303	34,752	170,514
Manganese	2,710	88,870	702,945	100,300	894,825
Mercury	232	7	2,622	546	3,407
Nickel	2,105	3,584	200,030	122,160	327,879
Selenium	2,055	231	12,070	12,031	26,386
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	13	(a)	24,705	(a)	24,718
Vanadium	771	(a)	521,145	130,000	651,916
Zinc	6,032	5,271	309,147	81,000	401,450
Hydrochloric Acid Aerosol	196,810	(b)	(b)	(b)	196,810
Hydrogen Fluoride	361,709	(a)	(a)	(a)	361,709
Sulfuric Acid Aerosol	694,000	(b)	(b)	(b)	694,000
Ammonia	83,755	75,190	(a)	(a)	158,945
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	1	(a)	(a)	(a)	1
PACs	19	(a)	(a)	(a)	19
Dioxins (grams)	7	(a)	(a)	(a)	7
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)	1,356,619	573,715	5,977,771	1,225,643	9,133,749

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 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 2022.
 (g) All above data was submitted to the U.S. EPA in June 2023 and is considered pending.