

AEP System Total: Inventory for 2021

Contact Person: Scott Weaver; Telephone: (614) 716-3771
2021 Coal Burn 45,283,968,000 pounds

AEP System Total TRI Releases for 2021 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	442	203	155,238	80,247	236,130
Barium	1,905	28,235	3,300,045	527,073	3,857,258
Beryllium	24	(a)	20,450	8,300	28,774
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	2,491	133	271,010	193,365	467,000
Cobalt	662	6	80,505	44,000	125,173
Copper	1,173	966	388,770	148,000	538,909
Lead	810	54	159,814	57,391	218,069
Manganese	2,898	21,600	734,145	148,300	906,943
Mercury	251	1	3,087	938	4,277
Nickel	3,494	500	239,470	127,800	371,264
Selenium	3,235	350	20,073	20,027	43,685
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	12	(a)	24,005	(a)	24,017
Vanadium	1,536	(a)	596,545	210,000	808,081
Zinc	7,297	839	366,989	140,000	515,125
Hydrochloric Acid Aerosol	218,750	(b)	(b)	(b)	218,750
Hydrogen Fluoride	344,550	(a)	(a)	(a)	344,550
Sulfuric Acid Aerosol	986,200	(b)	(b)	(b)	986,200
Ammonia	80,615	19,220	(a)	(a)	99,835
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	1	(a)	(a)	(a)	1
PACs	14	(a)	(a)	(a)	14
Dioxins (grams)	5	(a)	(a)	(a)	5
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)	1,656,365	72,108	6,360,146	1,705,442	9,794,061

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 262 and 595 megawatts of AEP-owned generation at Dolet Hills (operated by CLECO) and Cardinal (operated by Buckeye) power plants, respectively.
- (e) 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 2021.
- (g) All above data was submitted to the U.S. EPA in June 2022 and is considered pending.