

June 24, 2019

List of Plants Where Coal-Ash Contaminated Groundwater Exceeds Allowable State and/or Federal Limits

This table lists 135 plants in 29 states and Puerto Rico whose owners have posted notifications that the groundwater exceeds state and/or federal limits of contamination, *without* an alternative source demonstration, for one or more of the following toxic substances: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Lead, Lithium, Molybdenum, Selenium, Thallium, and Radium 226 and 228 combined.

In addition, many of these units are coal ash ponds that are unlined and violate the federal aquifer separation standard, which requires five feet of separation from the base of the pond to the underlying groundwater.

Each plant owner must develop a cleanup plan (“Assessment of Corrective Measures”). The plans must be *initiated* within 90 days of a contamination finding, and notice of initiation may be publicly posted up to 60 days after initiation. Cleanup plans must be *completed* within 90 to 150 days of initiation, and publicly posted 30 days after completion. Owners may attempt to show that an alternate source is responsible for the contamination. Cleanup plans are required at all plants if the owners do not demonstrate that a source other than the regulated coal ash dumps caused the contamination.

Additional information about the individual coal ash dumps at each plant, including links to owner compliance websites, is available on a map at <https://earthjustice.org/features/map-coal-ash-contaminated-sites>.

	Name of Plant	Owner/ Operator	State	City	Contamination Found Above Federal and/or State Groundwater Limits	Initiation of Cleanup Assessment	Cleanup Plan expected no later than	Cleanup Plan
1	Healy Power Plant	GVEA	AK	Healy	antimony, arsenic, lithium, molybdenum, selenium	6/18/2018	NA	REPORT 8/2018
2	Charles R. Lowman Power Plant	Power South Energy Cooperative	AL	Leroy	beryllium, cobalt, lithium, molybdenum			
3	Colbert Fossil Plant	Tennessee Valley Authority	AL	Tuscumbia	arsenic, cobalt			
4	E.C. Gaston Steam Plant	Alabama Power	AL	Wilsonville	arsenic, lithium, molybdenum, radium 226 and radium 228	2/12/2019	8/11/2019	

5	James H. Miller, Jr., Electric Generating Plant	Alabama Power	AL	Quinton	arsenic, cobalt, lithium	2/12/2019	8/11/2019	
6	James M. Barry Electric Generating Plant	Alabama Power	AL	Bucks	arsenic, cobalt	2/12/2019	8/11/2019	
7	Plant Greene County	Alabama Power	AL	Demopolis	arsenic, cobalt, lithium	2/12/2019	8/11/2019	
8	William C. Gorgas Electric Generating Plant	Alabama Power	AL	Parrish	arsenic, lithium, molybdenum	2/12/2019	8/11/2019	
9	Cholla Power Plant	Arizona Public Service Electric Company	AZ	Joseph City	arsenic, cobalt, fluoride, lithium, molybdenum	2/13/2019	8/12/2019	
10	Pawnee Station	Xcel Energy	CO	Brush	Lithium			
11	Rawhide Energy Station	Platte River Power Authority	CO	Wellington	cobalt, selenium	4/2/2019	9/29/2019	
12	Valmont Station	Xcel Energy	CO	Boulder	cobalt, lithium, molybdenum, selenium	1/31/2019	7/30/2019	
13	C.D. McIntosh Power Plant	Lakeland Electric	FL	Lakeland	arsenic, lithium, radium	2/12/2019	8/11/2019	
14	Crystal River Energy Complex	Duke Energy	FL	Crystal River	arsenic, lithium, molybdenum, radium 226 and radium 228	1/14/2019	7/13/2019	
15	Deerhaven Generating Station	Gainesville Regional Utilities	FL	Gainesville	lithium, molybdenum			
16	Plant Crist	Gulf Power	FL	Pensacola	cobalt, radium	1/XX/2019	7/XX/2019	
17	Plant Smith	Gulf Power	FL	Southport	arsenic, lithium	1/XX/2019	7/XX/2019	
18	St. John's River Power Park	Jacksonville Electric Authority	FL	Jacksonville	radium	1/13/2019	7/12/2019	
19	Plant Bowen	Georgia Power Company	GA	Cartersville	cobalt, (molybdenum)	2/12/2019	8/11/2019	
20	Plant Hammond	Georgia Power Company	GA	Rome	arsenic, cobalt, molybdenum	2/12/2019	8/11/2019	
21	Plant McIntosh	Georgia Power Company	GA	Ricncon	lithium, cobalt			
22	Plant Yates	Georgia Power Company	GA	Newman	beryllium	2/12/2019	8/11/2019	
23	Burlington Generating Station	Interstate Power and Light Company	IA	Burlington	lithium, molybdenum			

24	Lansing Generating Station	Interstate Power and Light Company	IA	Lansing	arsenic			
25	Neal South Energy Center	MidAmerican Energy Co.	IA	Salix	arsenic	1/28/2019	7/27/2019	
26	Ottumwa Generating Station	Interstate Power and Light Company	IA	Ottumwa	cobalt			
27	Prairie Creek Generating Station	Interstate Power and Light Company	IA	Cedar Rapids	arsenic, molybdenum			
28	Baldwin Energy Complex	Luminant (formerly Dynegy Inc.)	IL	Baldwin	lithium			
29	Coffeen Power Station	Luminant (formerly Dynegy Inc.)	IL	Coffeen	cobalt			
30	Dallman Power Generating Station	City Water, Light and Power	IL	Springfield	arsenic	4/XX/2019	9/XX/2019	
31	Hennepin Power Station	Luminant (formerly Dynegy Inc.)	IL	Hennepin	arsenic, lithium, molybdenum			
32	Joliet #9 Generating Station	NRG	IL	Joliet	arsenic, lithium, molybdenum	3/4/2019	8/31/2019	
33	Marion Power Plant	SIPC	IL	Marion	cobalt, thallium			
34	Powerton Generating Station	NRG	IL	Pekin	arsenic, barium, selenium, thallium, molybdenum			
35	Wood River Power Station	Luminant (formerly Dynegy Inc.)	IL	Alton	molybdenum			
36	A.B. Brown Generating Station	SIGECO, dba Vectren Power Supply	IN	Mount Vernon	arsenic, cobalt, lithium, molybdenum			
37	Bailly Generating Station	Northern Indiana Public Service Company	IN	Chesterton	arsenic, cadmium, lithium, thallium	12/6/2018	NA	REPORT 5/1/2019
38	Cayuga Generating Station	Duke Energy	IN	Cayuga	arsenic, cadmium, chromium, cobalt, lead, lithium, molybdenum, selenium, thallium, radium 226 and radium 228	1/14/2019	7/13/2019	

39	Clifty Creek Station	Indiana-Kentucky Electric Corp.	IN	Madison	molybdenum	5/15/2019	11/11/2019	
40	Eagle Valley Generating Station	Indianapolis Power & Light Company	IN	Martinsville	arsenic, lithium, molybdenum	4/15/2019	10/12/2019	
41	F.B. Culley Generating Station	SIGECO, dba Vectren Power Supply	IN	Newburg	arsenic, molybdenum			
42	Gallagher Generating Station	Duke Energy	IN	New Albany	arsenic, molybdenum	1/14/2019	7/13/2019	
43	Gibson Generating Station	Duke Energy	IN	Owensville	arsenic, cobalt, lithium, molybdenum	1/14/2019	7/13/2019	
44	Harding Street Generating Station	Indianapolis Power & Light Company	IN	Indianapolis	antimony, arsenic, lithium, molybdenum	4/15/2019	10/12/2019	
45	Petersburg Generating Station	Indianapolis Power & Light Company	IN	Petersburg	cadmium, cobalt, molybdenum	4/15/2019	10/12/2019	
46	R.M. Schahfer Generating Station	Northern Indiana Public Service Company	IN	Wheatfield	cobalt, lithium, molybdenum	11/21/2018	NA	REPORT 4/19/2019
47	Wabash River Generating Station	Duke Energy	IN	Terre Haute	arsenic, chromium, cobalt, lead, lithium, molybdenum, radium 226 and radium 228	4/15/2019	10/12/2019	
48	Jeffrey Energy Center	Westar Energy	KS	St. Mary's	molybdenum			
49	Tecumseh Energy Center	Westar Energy	KS	Tecumseh	arsenic, cobalt			
50	D.B. Wilson Generating Station	Big Rivers Electric Corporation	KY	Centertown	cobalt	1/14/2019	7/13/2019	
51	E.W. Brown Generating Station	Kentucky Utilities Company	KY	Harrodsburg	lithium, molybdenum	2/26/2019	8/25/2019	
52	East Bend Electric Plant	Duke Energy	KY	Union	lithium	1/14/2019	NA	REPORT 4/2019
53	Elmer Smith Station	Owensboro Municipal Utilities	KY	Owensboro	molybdenum	1/29/2019	7/28/2019	

54	Ghent Generating Station	Kentucky Utilities Company	KY	Ghent	lithium, molybdenum	2/26/2019	8/25/2019	
55	Mill Creek Generating Station	Louisville Gas & Electric Company	KY	Louisville	lithium, molybdenum	2/26/2019	8/25/2019	
56	Paradise Fossil Plant	Tennessee Valley Authority	KY	Drakesboro	arsenic			
57	Sebree Generating Station	Big Rivers Electric Corporation	KY	Robards	lithium	1/14/2019	7/13/2019	
58	Shawnee Fossil Plant	Tennessee Valley Authority	KY	West Paducah	molybdenum	4/15/2019	10/12/2019	
59	Trimble County Generating Station	Louisville Gas & Electric Company	KY	Bedford	arsenic, lithium, molybdenum, selenium	2/26/2019	8/25/2019	
60	Westland Ash Management Facility	NRG	MD	Dickerson	lithium, molybdenum, selenium	12/3/2018	NA	REPORT 3/2019
61	BC Cobb Power Plant	Consumers Energy Co.	MI	Muskegon	lithium, (others)			
62	DE Karn Power Plant	Consumers Energy Co.	MI	Essexville	arsenic, (others)			
63	JB Sims Power Generation Plant	Consumers Energy Co.	MI	Grand Haven	cobalt, fluoride, lithium	2/8/2019	8/7/2019	
64	JC Weadock Power Plant	Grand Haven Board of Light & Power	MI	Essexville	arsenic, beryllium, lithium, (others)			
65	JH Campbell Power Plant	Consumers Energy Co.	MI	West Olive	arsenic, (others)			
66	River Rouge Power Plant	DTE Electric Co.	MI	River Rouge	arsenic, lithium	1/14/2019	NA	REPORT 4/15/2019
67	Labadie Energy Center	Ameren	MO	Labadie	molybdenum	<1/31/2019	NA	REPORT 5/20/2019
68	Meramec Energy Center	Ameren	MO	St. Louis	arsenic, molybdenum	<1/31/2019	NA	REPORT 5/17/2019
69	New Madrid Power Plant	Associated Electric Coop.	MO	New Madrid	molybdenum			
70	Rush Island Energy Center	Ameren	MO	Festus	arsenic, molybdenum	NA	NA	REPORT 5/2019

71	Sioux Energy Center	Ameren	MO	West Alton	molybdenum	NA	NA	REPORT 5/2019
72	Choctaw Generation Limited Partnership, LLLP - Red Hills Operations	Choctaw Generation Limited Partnership, LLLP	MS	Ackerman	cobalt, lithium	1/30/2019	7/29/2019	
73	Plant Victor Daniel	Mississippi Power	MS	Escatawpa	lithium	2/12/2019	8/11/2019	
74	R.D. Morrow, Sr. Generating Station	Cooperative Energy	MS	Purvis	lithium, molybdenum			
75	Colstrip Steam Electric Station	Talen Energy	MT	Colstrip	cobalt, lithium, molybdenum	2/14/2019	NA & 8/13/2019	REPORT 4/16/2019
76	Lewis & Clark Station	Montana-Dakota Utilities Co.	MT	Richland	lithium, selenium	4/2/2019	9/29/2019	
77	Allen Steam Station	Duke Energy	NC	Belmont	arsenic, beryllium, cadmium, cobalt, lithium, thallium	1/14/2019	NA	REPORTS 4/10/2019
78	Asheville Steam Electric Plant	Duke Energy	NC	Arden	cobalt, radium 226 and radium 228	1/14/2019	NA	REPORTS 4/10/2019
79	Belews Creek Steam Station	Duke Energy	NC	Belews Creek	arsenic, beryllium, chromium, cobalt, lithium, radium 226 and radium 228	1/14/2019	NA	REPORTS 4/10/2019
80	Buck Steam Station	Duke Energy	NC	Salisbury	cobalt, lithium	1/14/2019	NA	REPORTS 4/10/2019
81	Cliffside Steam Station	Duke Energy	NC	Cliffside	arsenic, beryllium, cobalt, lithium, radium 226 and radium 228	1/14/2019	NA	REPORTS 4/10/2019
82	Dan River Steam Station	Duke Energy	NC	Eden	arsenic, lithium	1/14/2019	NA	REPORTS 4/10/2019
83	H.F. Lee Energy Complex	Duke Energy	NC	Goldsboro	arsenic, cobalt, lithium	1/14/2019	NA	REPORT 4/10/2019
84	L.V. Sutton Energy Complex	Duke Energy	NC	Wilmington	arsenic, cobalt, lithium, molybdenum	1/14/2019	NA	REPORTS 4/10/2019
85	Marshall Steam Station	Duke Energy	NC	Terrell	arsenic, beryllium, cobalt, lithium, thallium, radium 226 and radium 228	1/14/2019	NA	REPORTS 4/10/2019
86	Roxboro Steam Electric Plant	Duke Energy	NC	Semora	arsenic, cobalt, lithium, molybdenum, selenium	1/14/2019	NA	REPORTS 4/10/2019
87	W.H. Weatherspoon Power Plant	Duke Energy	NC	Robeson County	arsenic, radium 226 and radium 228	1/14/2019	NA	REPORT 4/10/2019
88	Four Corners Power Plant	Arizona Public Service Co.	NM	Fruitland	cobalt, fluoride, molybdenum	2/13/2019	8/12/2019	

89	Huntley Generating Station	NRG	NY	Tonawanda	arsenic	1/XX/2019*	7/XX/2019*	
90	Cardinal Plant	Buckeye Power Co. & AEP	OH	Brillant	lithium, molybdenum			
91	Conesville Plant	American Electric Power	OH	Conesville	arsenic, lithium, molybdenum	3/26/2019	9/22/2019	
92	JM Stuart Station	AES Ohio Generation	OH	Aberdeen	arsenic, barium, cobalt, lithium, molybdenum, radium 226 and radium 228, selenium	5/13/2019	11/9/2019	
93	Killen Station	AES Ohio Generation	OH	Manchester	lithium, molybdenum	5/13/2019	11/9/2019	
94	Kyger Creek Station	Ohio Valley Electric Corp.	OH	Cheshire	arsenic	5/15/2019	11/12/2019	
95	Miami Fort Power Station	Luminant (formerly Dynegy Inc.)	OH	North Bend	arsenic, cobalt, molybdenum			
96	W.H. Sammis Power Station	FirstEnergy	OH	Stratton	cobalt			
97	Zimmer Power Station	Luminant (formerly Dynegy Inc.)	OH	Moscow	lithium			
98	Northeastern 3&4 Power Station	American Electric Power	OK	Oologah	lithium			
99	Bruce Mansfield Plant	FirstEnergy	PA	Shippingport	arsenic, lithium	1/14/2019	7/13/2019	
100	Brunner Island Steam Electric Station	Talen Energy	PA	York Haven	arsenic, lithium, molybdenum	2/13/2019	8/12/2019	
101	Hatfield's Ferry Power Station	FirstEnergy	PA	Masontown	cobalt, lithium	4/15/2019	10/12/2019	
102	Homer City Generating Station	NRG	PA	Homer City	lithium			
103	Montour Steam Electric Station	Talen Energy	PA	Washingtonville	cobalt, lithium			
104	New Castle Generating Station	NRG	PA	West Pittsburg	arsenic			
105	AES Puerto Rico	AES Puerto Rico	PR	Guayama	lithium, molybdenum, selenium	4/15/2019	10/12/2019	
106	Cross Generating Station	Santee Cooper	SC	Cross	beryllium, cobalt, lithium	3/15/2019*	9/11/2019*	
107	H.B. Robinson Steam Electric Plant	Duke Energy	SC	Hartsville	arsenic, lithium, radium 226 and radium 228	1/14/2019	NA	REPORT 4/10/2019

108	W.S. Lee Steam Station	Duke Energy	SC	Williamston	antimony, beryllium, cobalt, lithium	1/14/2019	NA	REPORTS 4/10/2019
109	Wateree Generating Station	South Carolina Electric & Gas	SC	Eastover	arsenic, lithium	2/15/2019	8/14/2019	
110	Winyah Generating Station	Santee Cooper	SC	Georgetown	arsenic, lithium, molybdenum			
111	Allen Fossil Plant	Tennessee Valley Authority	TN	Memphis	arsenic, fluoride, lead, molybdenum			
112	Cumberland Fossil Plant	Tennessee Valley Authority	TN	Cumberland City	arsenic, cobalt, lithium			
113	Gallatin Fossil Plant	Tennessee Valley Authority	TN	Gallatin	lithium			
114	Johnsonville Fossil Plant	Tennessee Valley Authority	TN	New Johnsonville	cobalt			
115	Big Brown Steam Electric Station	Luminant Generation Co., LLC	TX	Fairfield	barium, cobalt, lithium, radium 226 and radium 228, selenium			
116	Gibbons Creek Steam Electric Generating Station	Texas Municipal Power Agency	TX	Anderson	beryllium, cadmium, cobalt, lead, lithium, radium 226 and radium 228			
117	H.W. Pirkey Power Plant	American Electric Power	TX	Hallsville	cadmium, cobalt, lithium	3/26/2019	9/22/2019	
118	Martin Lake Steam Electric Station	Luminant Generation Co., LLC	TX	Tatum	arsenic, barium, cobalt, lithium			
119	Oak Grove Steam Electric Station	Luminant Generation Co., LLC	TX	Franklin	cobalt, lithium			
120	San Miguel Plant	San Miguel Electric Cooperative, Inc.	TX	Christine	lithium, mercury, radium 226 and radium 228			
121	Hunter Power Plant	PacifiCorp Energy	UT	Castle Dale	cobalt, lithium, molybdenum	3/12/2019	9/8/2019	
122	Huntington Power Plant	PacifiCorp Energy	UT	Huntington	chromium, cobalt, lithium, molybdenum, selenium	3/12/2019	9/8/2019	

123	Intermountain Generating Facility	Intermountain Power Service Corp.	UT	Delta	arsenic, chromium, cobalt, lithium, molybdenum	10/15/2018	NA	REPORT 1/9/2019
124	Bremo Power Station	Dominion Energy	VA	Bremo Bluff	lithium	12/5/2018	NA	REPORT 5/13/2019
125	Chesterfield Power Station	Dominion Energy	VA	Chester	arsenic, cobalt, lithium, radium 226 and radium 228, (lead), (molybdenum)	12/18/2018*	6/16/2019	REPORT 5/14/2019
126	Clover Power Station	Dominion Energy	VA	Clover	(cobalt)			
127	Possum Point Power Station	Dominion Energy	VA	Dumfries	cobalt	2/28/2019	8/27/2019	
128	Yorktown Power Station	Dominion Energy	VA	Yorktown	(cobalt), (molybdenum)			
129	Harrison Power Station	Monongahela Power Co.	WV	Haywood	arsenic, molybdenum	4/15/2019	10/12/2019	
130	Mountaineer Plant	American Electric Power	WV	New Haven	lithium	3/26/2019	9/22/2019	
131	Pleasants Power Station	Allegheny Energy Supply Co.	WV	Willow Island	arsenic, barium, fluoride, lithium, radium 226 and radium 228	4/15/2019	10/12/2019	
132	Dave Johnston Power Plant	PacifiCorp Energy	WY	Glen Rock	arsenic, cadmium, molybdenum, radium	3/12/2019	9/8/2019	REPORT 5/2019
133	Jim Bridger Power Plant	PacifiCorp Energy	WY	Point of Rocks	arsenic, cadmium, cobalt, fluoride, lead, lithium, molybdenum, radium 226 and radium 228, selenium	3/12/2019	9/8/2019	
134	Laramie River Station	Basin Electric Power Cooperative	WY	Wheatland	lithium, molybdenum	4/10/2019	10/7/2019	
135	Naughton Power Plant	PacifiCorp Energy	WY	Kemmerer	cobalt, lithium, molybdenum, radium 226 and radium 228, selenium	3/12/2019	9/8/2019	