

Attachment 1 - Surface Impoundments Analyzed in EPA Risk Assessment (Unlined and Clay-Lined)

Plant	Utility Name	County	State	Area (acres)	Capacity (cubic yards)	Waste Type	Liner Type	Leachate Collection System¹	Groundwater Monitoring²
James H Miller Jr.	Alabama Power Co.	Jefferson	AL	200	5,500,000	Ash	Clay	No	Yes
Greene County	Alabama Power Co.	Walker	AL	480	5,000,000	Ash	Clay	No	No
Widows Creek	Tennessee Valley Authority	Jackson	AL	222	12,400,000	Ash	Clay	No	Yes
Gadsden	Alabama Power Co.	Etowah	AL	60	484,000	Ash and Coal Waste	Clay	No	No
Gorgas	Alabama Power Co.	Walker	AL	1,500	15,000,000	Ash and Coal Waste	Clay	No	No
Gorgas	Alabama Power Co.	Walker	AL	283	24,100,000	Ash and Coal Waste	Clay	No	No
Gorgas	Alabama Power Co.	Walker	AL	250	Not Reported	Ash and Coal Waste	Clay	No	No
Barry	Alabama Power Co.	Mobile	AL	63	1,900,000	Ash and Coal Waste	No Liner	No	No
Widows Creek	Tennessee Valley Authority	Jackson	AL	110	3,500,000	Ash and Coal Waste	No Liner	No	Yes
Flint Creek	Southwestern Electric Power Co.	Benton	AR	36	Not Reported	Ash and Coal Waste	No Liner	No	No
Cholla	Arizona Public Service Co.	Navajo	AZ	171	2,600,000	Ash	No Liner	Yes	Yes
Wansley	Georgia Power Co.	Heard	GA	43	Not Reported	Ash	No Liner	No	No
Hammond	Georgia Power Co.	Floyd	GA	56	576,256	Ash and Coal Waste	No Liner	No	No
Harlee Branch	Georgia Power Co.	Putnam	GA	324	7,898,277	Ash and Coal Waste	No Liner	No	No
Harlee Branch	Georgia Power Co.	Putnam	GA	203	7,634,000	Ash and Coal Waste	No Liner	No	No
Jack McDoNough	Georgia Power Co.	Cobb	GA	73	1,531,893	Ash and Coal Waste	No Liner	No	No
Kraft	Savannah Electric & Power Co	Chatham	GA	60	Not Reported	Ash and Coal Waste	No Liner	No	No
Scherer	Georgia Power Co.	Monroe	GA	490	22,262,030	Ash and Coal Waste	No Liner	No	No
Wansley	Georgia Power Co.	Heard	GA	330	18,712,850	Ash and Coal Waste	No Liner	No	No
Louisa	MidAmerican Energy Co.	Louisa	IA	30	500,000	Ash	Clay	No	Yes
Lansing	Interstate Power Co.	Allamakee	IA	15	Not Reported	Ash	Clay	No	Yes
Council Bluffs	MidAmerican Energy Co.	Pottawattamie	IA	200	Not Reported	Ash	No Liner	Yes	Yes
Neal North	MidAmerican Energy Co.	Woodbury	IA	150	Not Reported	Ash and Coal Waste	No Liner	No	No
Crawford	Commonwealth Edison Co.	Cook	IL	25	642,000	Ash and Coal Waste	Clay	No	No
Will County	Commonwealth Edison Co.	Will	IL	60	599,256	Ash and Coal Waste	Clay	No	Yes
Dallman	Springfield, City of	Sangamon	IL	417	3,800,000	Ash	No Liner	No	Yes

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Baldwin	Illinois Power Co.	Randolph	IL	107	4,000,000	Ash and Coal Waste	No Liner	No	No
E D Edwards	Central Illinois Light Co.	Peoria	IL	145	11,000,000	Ash and Coal Waste	No Liner	Yes	No
Hennepin	Illinois Power Co.	Putnam	IL	150	3,460,600	Ash and Coal Waste	No Liner	No	Yes
Joliet 29	Commonwealth Edison Co.	Will	IL	63	1,012,000	Ash and Coal Waste	No Liner	No	No
Vermilion	Illinois Power Co.	Vermilion	IL	43	8,100,000	Ash and Coal Waste	No Liner	No	Yes
Petersburg	Indianapolis Power & Light Co.	Pike	IN	250	19,750,000	Ash	Clay	No	Yes
R Gallagher	PSI Energy, Inc.	Floyd	IN	170	20,000,000	Ash and Coal Waste	Clay	No	No
Warrick	Southern Indiana Gas & Elec. Co.	Warrick	IN	140	4,500,000	Ash and Coal Waste	Clay	No	No
Petersburg	Indianapolis Power & Light Co.	Pike	IN	157	Not Reported	Ash	No Liner	No	No
Cayuga	PSI Energy, Inc.	Vermillion	IN	280	25,000,000	Ash and Coal Waste	No Liner	No	No
F B Culley	Southern Indiana Gas & Elec. Co.	Warrick	IN	82	2,600,000	Ash and Coal Waste	No Liner	No	Yes
Frank E Ratts	Hoosier Energy R E C, Inc.	Pike	IN	39	1,250,000	Ash and Coal Waste	No Liner	No	No
Gibson	PSI Energy, Inc.	Gibson	IN	875	55,000,000	Ash and Coal Waste	No Liner	No	No
R M Schahfer	Northern Indiana Pub. Serv. Co.	Jasper	IN	80	1,030,000	Ash and Coal Waste	No Liner	No	No
Wabash River	PSI Energy, Inc.	Vigo	IN	120	14,000,000	Ash and Coal Waste	No Liner	No	No
Trimble County	Louisville Gas & Electric Co.	Trimble	KY	115	6,856,667	Ash	Clay	No	Yes
E W Brown	Kentucky Utilities Co.	Mercer	KY	84	2,710,000	Ash	No Liner	No Data	No Data
E W Brown	Kentucky Utilities Co.	Mercer	KY	33	1,000,000	Ash	No Liner	No Data	No Data
Paradise	Tennessee Valley Authority	Muhlenberg	KY	200	5,000,000	Ash	No Liner	No	No
Tyrone	Kentucky Utilities Co.	Woodford	KY	6	351,699	Ash	No Liner	No	No
Big Sandy	Kentucky Power Co.	Lawrence	KY	115	12,052,100	Ash and Coal Waste	No Liner	No	Yes
Dale	East Kentucky Power Coop, Inc.	Clark	KY	115	7,408,274	Ash and Coal Waste	No Liner	No	Yes
Green River	Kentucky Utilities Co.	Muhlenberg	KY	36	2,331,219	Ash and Coal Waste	No Liner	No	No
Shawnee	Tennessee Valley Authority	McCracken	KY	180	5,810,000	Ash and Coal Waste	No Liner	No	Yes
Tyrone	Kentucky Utilities Co.	Woodford	KY	8	500,123	Ash and Coal Waste	No Liner	No	No
Tyrone	Kentucky Utilities Co.	Woodford	KY	5	327,500	Ash and Coal Waste	No Liner	No	No

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Big Cajun 2	Cajun Electric Power Coop, Inc.	Pointe Coupee	LA	241	4,990,003	Ash	Clay	No	No
Rodemacher	CLECO Corporation	Rapides	LA	109	2,500,000	Ash	Clay	No	Yes
Rodemacher	CLECO Corporation	Rapides	LA	36	1,200,000	Ash	Clay	No	Yes
Dolet Hills	CLECO Corporation	De Soto	LA	66	850,000	Ash and Coal Waste	No Liner	Yes	Yes
Eckert Station	Lansing, City of	Ingham	MI	151	7,200,000	Ash	No Liner	No	No
J R Whiting	Consumers Energy Co.	Monroe	MI	6	140,000	Ash	No Liner	No	No
Monroe	Detroit Edison Co.	Monroe	MI	400	15,000,000	Ash	No Liner	No	No
J H Campbell	Consumers Energy Co.	Ottawa	MI	267	6,900,000	Ash and Coal Waste	No Liner	No	Yes
Syl Laskin	Minnesota Power, Inc.	St Louis	MN	75	726,000	Ash and Coal Waste	No Liner	No	Yes
Blue Valley	Independence, City of	Jackson	MO	23	372,000	Ash and Coal Waste	Clay	No Data	No Data
Meramec	Union Electric Co.	St Louis	MO	61	591,200	Ash and Coal Waste	No Liner	No	No
Jack Watson	Mississippi Power Co.	Harrison	MS	100	Not Reported	Ash	No Liner	No	No
Cliffside	Duke Power Co.	Cleveland	NC	82	2,200,000	Ash	Clay	No	No
Asheville	Carolina Power & Light Co.	Buncombe	NC	140	3,200,000	Ash	No Liner	No	No
Cape Fear	Carolina Power & Light Co.	Chatham	NC	60	2,300,000	Ash	No Liner	No	Yes
Mayo	Carolina Power & Light Co.	Person	NC	65	2,400,000	Ash	No Liner	No	No
Mayo	Carolina Power & Light Co.	Person	NC	30	185,000	Ash	No Liner	No	Yes
Riverbend	Duke Power Co.	Gaston	NC	143	3,200,000	Ash	No Liner	No	No
Belews Creek	Duke Power Co.	Stokes	NC	512	2,200,000	Ash and Coal Waste	No Liner	Yes	Yes
Buck	Duke Power Co.	Rowan	NC	90	4,840,000	Ash and Coal Waste	No Liner	No	Yes
Dan River	Duke Power Co.	Rockingham	NC	72	2,097,000	Ash and Coal Waste	No Liner	Yes	Yes
G G Allen	Duke Power Co.	Gaston	NC	210	6,545,000	Ash and Coal Waste	No Liner	No	No
L V Sutton	Carolina Power & Light Co.	New HaNover	NC	162	7,696,000	Ash and Coal Waste	No Liner	No	No
Lee	Carolina Power & Light Co.	Wayne	NC	35	1,936,000	Ash and Coal Waste	No Liner	No	No
Marshall	Duke Power Co.	Catawba	NC	340	19,689,000	Ash and Coal Waste	No Liner	No	No
W H Weatherspoon	Carolina Power & Light Co.	Robeson	NC	26	1,200,000	Ash and Coal Waste	No Liner	No	Yes

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Killen Station	Dayton Power & Light Co.	Adams	OH	Not Reported	99,935	Ash and Coal Waste	Clay	No	Yes
Cardinal	Cardinal Operating Co.	Jefferson	OH	123	8,437,500	Ash	No Liner	No	No
J M Stuart	Dayton Power & Light Co.	Adams	OH	88	8,357,000	Ash	No Liner	No	Yes
Walter C Beckjord	Cincinnati Gas & Electric Co.	Clermont	OH	Not Reported	2,000,000	Ash	No Liner	No	No
Gen J M Gavin	Ohio Power Co.	Gallia	OH	300	30,000,000	Ash and Coal Waste	No Liner	No	No
Hugo	Western Farmers Elec. Coop, Inc.	Choctaw	OK	151	Not Reported	Ash and Coal Waste	Clay	No	No
H B Robinson	Carolina Power & Light Co.	Darlington	SC	30	Not Reported	Ash and Coal Waste	No Liner	No	No
W S Lee	Duke Power Co.	Anderson	SC	41	1,634,000	Ash and Coal Waste	No Liner	No	Yes
Allen	Tennessee Valley Authority	Shelby	TN	85	1,500,000	Ash	No Liner	No Data	No Data
Cumberland	Tennessee Valley Authority	Stewart	TN	295	9,500,000	Ash	No Liner	No	Yes
Bull Run	Tennessee Valley Authority	Anderson	TN	41	650,000	Ash and Coal Waste	No Liner	No	No
Cumberland	Tennessee Valley Authority	Stewart	TN	75	1,750,000	Ash and Coal Waste	No Liner	No	Yes
Gallatin	Tennessee Valley Authority	Sumner	TN	341	4,300,000	Ash and Coal Waste	No Liner	No	Yes
John Sevier	Tennessee Valley Authority	Hawkins	TN	105	7,000,000	Ash and Coal Waste	No Liner	No	Yes
John Sevier	Tennessee Valley Authority	Hawkins	TN	57	1,600,000	Ash and Coal Waste	No Liner	No	Yes
Johnsonville	Tennessee Valley Authority	Humphreys	TN	91	2,900,000	Ash and Coal Waste	No Liner	No	Yes
Kingston	Tennessee Valley Authority	Roane	TN	275	8,900,000	Ash and Coal Waste	No Liner	No	Yes
Kingston	Tennessee Valley Authority	Roane	TN	41	11,000,000	Ash and Coal Waste	No Liner	No	Yes
Fayette Power Prj.	Lower Colorado River Authority	Fayette	TX	190	4,351,644	Ash	Clay	No	No
Coletto Creek	Central Power & Light Co.	Goliad	TX	315	Not Reported	Ash and Coal Waste	Clay	No	Yes
Oklunion	West Texas Utilities Co.	Wilbarger	TX	291	6,056,820	Ash	No Liner	No	No
Oklunion	West Texas Utilities Co.	Wilbarger	TX	19	718,060	Ash	No Liner	No	No
Oklunion	West Texas Utilities Co.	Wilbarger	TX	11	408,940	Ash and Coal Waste	No Liner	No	No
Sandow	Texas Utilities Electric Co.	Milam	TX	45	1,351,973	Ash and Coal Waste	No Liner	No	No
Possum Point	Virginia Electric & Power Co.	Prince William	VA	56	Not Reported	Ash and Coal Waste	No Liner	No	No
Harrison	MoNongahela Power Co.	Harrison	WV	300	28,000,000	Ash	No Liner	No	Yes

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John E Amos	Appalachian Power Co.	Putnam	WV	100	13,000,000	Ash	No Liner	No	No
John E Amos	Appalachian Power Co.	Putnam	WV	10	3,078,000	Ash	No Liner	No	No
Mitchell - WV	Ohio Power Co.	Marshall	WV	Not Reported	12,030,000	Ash and Coal Waste	No Liner	No	No
Laramie R Station	Basin Electric Power Coop	Platte	WY	11	464,156	Ash and Coal Waste	Clay	No	Yes
Jim Bridger	PacifiCorp	Sweetwater	WY	140	3,400,000	Ash and Coal Waste	No Liner	No	Yes
Jim Bridger	PacifiCorp	Sweetwater	WY	125	6,500,000	Ash and Coal Waste	No Liner	No	Yes

Source: U.S. Env'tl. Prot. Agency (EPA), Human and Ecological Risk Assessment of Coal Combustion Wastes (released as part of a Notice of Data Availability) (Aug. 6, 2007) (draft), Attachments B-1 & B-2.

¹A leachate collection system collects the liquid leaking from a waste management unit and pumps it to the surface for treatment or redeposition into the landfill or surface impoundment.

²The information provided by utilities indicates only the presence or absence of some groundwater monitoring at the unit. An affirmative answer does not confirm that adequate monitoring is conducted for all coal ash pollutants on a quarterly basis or that the results of the monitoring are available to the public.