

Water Contamination Caused by Coal Ash “Re-Use” or Fill

The following 22 contaminated sites were documented by EPA as examples where dumping of coal ash in the guise of “re-use” caused health-threatening contamination of water. At 9 of the 22 sites, EPA documented that coal ash contaminated drinking water above health standards. EPA cited these damage cases as the basis for requiring a demonstration that coal ash re-used as “fill” will not contaminate groundwater, surface water or air. A list of additional coal ash dump sites that have contaminated drinking water is available at <https://earthjustice.org/features/map-coal-ash-contaminated-sites>

EPA-Confirmed Coal Ash Damage Cases at Re-Use Sites

Coal Ash Re-Use Sites That Have Contaminated Groundwater (Documented By EPA)	Contaminants in Drinking Water	State
Town of Pines Groundwater Superfund Site	Arsenic, boron, molybdenum, lead, selenium, sulfate	IN
Constellation Energy's BBSS S&G Quarries, Gambrills.	Arsenic, cadmium, lead, thallium, beryllium, nickel, aluminum, manganese, sulfate, lithium	MD
Lansing Board of Light & Water, North Lansing Landfill		MI
Swift Creek Structural Fill (ReUse/Full Circle Solutions).		NC
DOE Oak Ridge Y-12 Plant Chestnut Ridge Operable Unit 2		TN
Trans-Ash Coal Combustion Waste Fill	Mercury, boron, sulfate	TN
VEPCO Chisman Creek Superfund Site (NPL)	Nickel, selenium, vanadium, sulfate	VA
WE Energies Oak Creek Power Plant Ravine Fill Collapse		WI
WEPCO Cedar Sauk		WI
WEBPCO Highway 59	Arsenic, boron, molybdenum, manganese, iron, sulfate, chloride	WI
George Neal Station North Landfill		IA
George Neal Station South Ash Monofill		IA
Dynergy Midwest Hennepin Power Station		IL
Joliet 9 Generating Station, Lincoln Stone Quarry	boron	IL
Powerton Plant		IL
K.R. Rezendez Ash Landfill (South Main Street)		MA
Cinergy/Cincinnati Miamiview Landfill		OH
GenOn Portland Station Bangor Quarry Ash Disposal Site		PA
Battlefield Golf Course Superfund Site (Chesapeake)	Boron, arsenic chromium, copper, lead, vanadium	VA
Lemberger Landfill		NY
We Energies Oak Creek Power Plant, Disposal Area Fill Sites	Boron, molybdenum	WI
WEPCO Port Washington	Arsenic, boron, molybdenum, manganese, iron, sulfate, chloride	WI

In addition, at Bunge North America Corporation's Rocky Acres Coal Combustion By-Product Disposal Site in Oakwood, IL, coal ash dumping as "re-use" caused drinking water contamination, including arsenic, lead, iron, manganese, chromium. EPA did not consider this a "damage case," because the coal ash was not generated by an electric utility, and thus the waste is not subject to regulation under the CCR rule.