

[USGS Maryland-Delaware-District of Columbia Water Science Center](#)

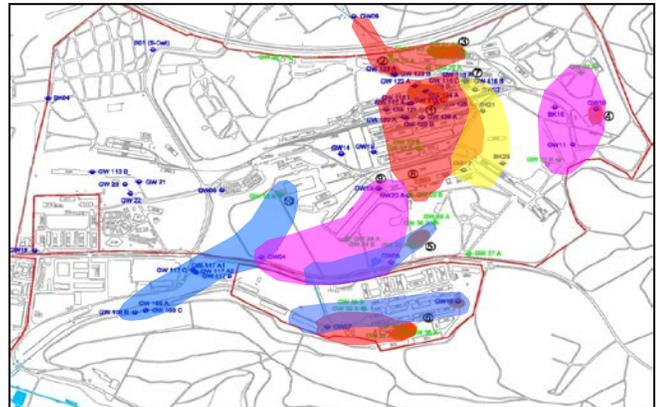
[Seminar Series](#)

Thursday, May 26, 2016 at 11:00 a.m.

***Summary of Contaminated Groundwater Remediation Project
in Western Germany***

Mary Kay Foley, Director, USGS Maryland-Delaware-DC Water Science Center

This presentation includes a case study describing the remediation of chlorinated hydrocarbons in fractured bedrock. Contamination was likely caused by improper disposal of solvents (primarily trichloroethylene (TCE) during the 1960's-70's. Small amounts of TCE were found in the local municipal drinking water wells in the 1990's. Several remedial techniques have been tried and the current remedy is using in-situ chemical oxidation (ISCO). The site faces many technical as well as political and economic challenges. This presentation describes a pilot test conducted on site to determine if ISCO is a viable remedy.



Mary Kay Foley is the Center Director of the US Geological Survey Maryland-Delaware-DC Water Science Center (WSC). The WSC includes approximately 80 scientists and technicians engaged in collecting and interpreting water data including surface water, groundwater, water use, and water quality including site remediation. High profile projects include Chesapeake Bay water quality trend analysis, National Water Quality Assessments, and data collection and analysis for multiple Federal, State, County, local governments and research partners.

Mary Kay joined the USGS in 2015 after twenty three years with the US Army. She received her Bachelor's and Master's Degree in Civil Engineering from SUNY Buffalo, and is a licensed Professional Engineer and certified Project Management Professional. Mary Kay spent eleven years with the US Army Corps of Engineers (Buffalo District) working as hydrologist, project engineer, and project manager for water resource and hazardous waste cleanup projects. She spent four years as Environmental Division Chief at the Department of Public Works US Army Garrison Mannheim Germany. Before joining the USGS, Mary Kay ran the US Army European Region Cleanup program, including 119 sites with a \$160M cost to complete.

This presentation will also be available remotely via Webex:

<https://usgs.webex.com/usgs/j.php?MTID=me840cd586a91b65d629225745d292cec>

Call 703-648-4848 Code 39026#

For directions to the USGS MD-DE-DC WSC: <http://md.water.usgs.gov/directions/baltimore.html>.