

## **In-Situ Chemical Oxidation (ISCO) at MGP sites: Technology Development and Applied Results from EPRI Field Demonstration Project**

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Increasing regulatory pressure to cleanup MGP sites has resulted in the evaluation of several remedial technologies. ISCO is a prominent technology able to treat MGP residuals in-situ in a relatively short timeframe. Site cleanup goals could vary from state to state and site to site; e.g., numerical goals for soil/groundwater, source-zone mass reduction, groundwater mass flux reduction. Utility companies need to know how to best use ISCO at a site (e.g., as an interim step, as a final step to achieve closure), and what ISCO can cost-effectively achieve.

Electric Power Research Institute (EPRI) and XDD, LLC are collaborating on an ISCO field demonstration using activated persulfate at an MGP site. The presentation will provide applied results from this project, and discuss the state of the art in applying ISCO, including:

- Discussion of technical challenges encountered;
- Defining expectations of ISCO success;
- Data from recent research.

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