In Situ Thermal Remediation Workshop
At the 30th Annual International Conference on Soils, Sediments, Water and Energy
October 20th, 2014, from 1-5pm, in Amherst, Massachusetts.

Presented by:
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This year, TerraTherm and ARCADIS are offering a new and improved workshop on In Situ Thermal Remediation (ISTR). ISTR comprises several robust technologies that have been proven to be able to clean up DNAPL and other organic compound-contaminated source zones in a wide range of subsurface settings, including all soil types both above and below the water table, and in fractured rock.

ISTR is typically used to treat organic-contaminated source zones by heating the ground causing the contaminants to mobilize into vapor and liquid phases, which are then extracted and treated on site. For volatile contaminants, the subsurface is heated to the boiling point of water, and the contaminants vaporize for removal. For less volatile contaminants (such as heavy oils, PCBs, and coal tar), complete treatment requires heating the soil to higher temperatures.

ISTR will be presented as a tool for contaminant source removal. The session will be interactive and filled with many examples. We will display a Numerical Model Simulation for a site and show what happens if some of the parameters are changed.

**By attending this workshop you will learn:**

- The three major heating technologies being used: Thermal Conductive Heating, Steam-Enhanced Extraction and Electrical Resistive Heating.
- An introduction to a promising new thermal technology: Self-Sustaining Treatment for Active Remediation for high mass sites.
- How combinations of technologies may be the best fit and provide the most cost-effective solutions for complex sites.
- How to choose the right technology for your site, what factors go into the cost of ISTR, and relevant case studies and lessons learned.
- Contracting options and how to set appropriate performance metrics for ISTR projects, which ensure safe and effective performance while creating balanced risk-sharing between vendor and client.

The information is intended for consultants and end users/clients considering the use of thermal treatment.

Register on AEHS’s website here:
http://www.aehsfoundation.org/ecc-registration.aspx