

Wyckoff Generational Remedy Evaluation

Expert Panel to Share Expertise

December 8, 2009

Eight panelists have been selected based on a nation-wide call for expertise. These experts represent a broad range of scientific, engineering, and construction backgrounds. They include:

- Ralph S. Baker, Ph.D., TerraTherm, Inc., Fitchburg, MA – Co-founder of firm specializing in in-ground remediation technologies to treat contaminated soil and water. Over 30 years experience using thermal remediation, thermochemical solidification, soil vapor extraction, and air sparging.
- Michael D. Basel, Ph.D., P.E., Haley & Aldrich, Inc., Lenexa, KS – Over 20 years experience in the private sector, applying innovative technologies to remediating wood-treating facilities. Focused on thermal technologies as well as chemical oxidation, enhanced biodegradation, free product recovery, and extraction technologies.
- Eva L. Davis, Ph.D., U.S. Environmental Protection Agency, Ada, OK – Leads EPA work group on effectiveness of containment remedies for sites with non-aqueous phase liquids, such as the Wyckoff site. Experienced in range of thermal remediation techniques, including evaluation of earlier Wyckoff pilot steam injection effort.
- Edward C. Hicks, P.E., Black & Veatch, Alpharetta, Georgia – With 24 years experience in engineering design and construction, Mr. Hicks' focus on remediation of sites with challenges similar to the Wyckoff site have made him an expert on all aspects of construction and maintenance, including excavation, pumping, and solidification. He has current field experience with two wood preserving sites in EPA Region 4.
- Michael C. Kavanaugh, Ph.D., P.E., BCEE, Malcolm Pirnie, Inc., Emeryville, CA – Decades of experience in environmental engineering provide Dr. Kavanaugh with deep knowledge in remediation, including work on three wood-treating facilities and numerous other challenging sites. He teaches a course on soil and groundwater remediation through the Princeton Remediation courses, and co-chaired an EPA panel on removing dense non-aqueous phase liquids (DNAPL) source areas.
- Frank B. Kellogg III, DCI Environmental, Inc., Savage, MN – Mr. Kellogg's firm focuses on source removal at remedial sites, using batch-plant thermal treatment, including application to at-depth DNAPL. Recently, he used DNAPL degradation and accelerated recovery at an EPA demonstration program at the Ashland Superfund site.

- Ken Preston, General Construction Company, Seattle, WA – Bringing over 30 years experience in construction in marine and near-shore environments, Mr. Preston addresses options for physical removal and/or physical containment of contaminated material. As a Bainbridge Island resident and long-time contractor in the region, he has deep familiarity with site conditions.
- Kent S. Udell, Ph.D., University of Utah and (Emeritus) University of California, Berkeley, Salt Lake City, UT – Dr. Udell advised EPA on innovative thermal technologies as part of an early-1990s advisory panel, and brings broad experience nationally in remediation of DNAPLs, thermal technologies, and a focus on long-term heat and mass transfer in porous media, relevant to the generational fate of creosote products at the Wyckoff site.