

Effective Use of High Resolution Tools for LNAPL Cost Management

Date: January 22, 2015

Time: 1:00 – 3:30 p.m. (EST)

Webinar Outline:

- I. The NAPL Challenge
 - What is LNAPL?
 - What is in the pore space?
 - Questions to ask
 - Facts about contaminant mass
- II. Primer on High Resolution Systems
 - HRSC system features/capabilities/targeted data
 - Laser Induced Fluorescence - Ultraviolet Optical Screening Tool (LIF-UVOST®)
- III. The Soil and Pore Space Challenge
 - What type of soil and the challenge of heterogeneity?
 - What is Permeable?
- IV. The Groundwater Challenge
 - Pores space and pore pressure
- V. Hydraulic Profiling Tool (HPT)
 - Use and features for measuring permeability
 - Combined HPT and LIF analysis
- VI. Membrane Interface Probe (MIP)
 - Use and features
 - MiHPT response to LNAPL- unsaturated zone
- VII. The NAPL Challenge- Moving, Mobile, or Recoverable?
 - Transmissivity, mobility, & recoverability
 - Natural source zone depletion rates
 - Cost benefit analysis
- VIII. Real time information tools
 - Testing the site conceptual model
 - Project quality assurance
 - Team collaboration
 - Budget controls
- IX. Systematic Approach to LNAPL Management
 - ITRC Guidelines
 - Leverage what you already know
 - Multiple lines of evidence approach
 - Trouble shooting monitoring well information
 - Think and restore!