

## Lunch and Learn Abstracts:

**1. In-situ destruction of LNAPL and DNAPL utilizing successful clay injectability application**

Site remediation is complicated enough when there is only one contaminant on a site. Things only become more complicated when there are multiple contaminants such as LNAPL and DNAPL at a site that require specific technologies to deal with each. In this 45min session, you will be introduced to a patent in-situ technology and educated on how the destruction of LNAPL and DNAPL is possible.

Alongside other various factors that might be hindering remediation success, we will also address the element of tight clay lithology and developed techniques on how to have higher success and contaminate mass destruction.

**2. Remediate in-situ vapor intrusion CVOC alongside TCE without halting manufacture production**

One of the most difficult and time sensitive remediation scopes is soil vapor intrusion especially when you have residents and businesses involved. In this 45min session, you will learn how to design and halt vapor intrusion alongside the destruction of VOCs with minimal onsite footprint without compromising onsite manufacturing production, safety of public health nor your budget.

**3. Commingled Vinyl Chloride, cis-1,2-DCE, TCE, BTEX destruction in-situ in a single scope of work**

The remediation of comingled plumes of halogenated organics and hydrocarbons can have a long-lasting lifecycle. It is a process that requires significant and accurate analytical data to assess both the scale of contamination with respect to where the pollutants originated from as well as what they are made of. This class we will provide education on how to reduce site life cycle through understanding the destruction mechanism of each contaminate and asking specific questions to build a successful application design.

**4. In-situ capture and destroy MTBE without any harmful byproducts**

MTBE is well known in the remediation industry as a slippery eel that is difficult to successfully remediate due to its low reactivity, high solubility, and mobilization in groundwater. In this 45min session, you will learn the necessary tools to capture MTBE, destroy it to its fundamental, sustainable, and non-toxic by products of carbon dioxide, oxygen, and biodegradable alcohols.

**5. Remediate in-situ wood treating PCP and dioxin in both groundwater and soil.**

Wood treating facilities can have costly remediation and monitoring life cycle costs associated with them. In this 45min session, we will target the destruction of both PCP and Dioxin like compounds. In addition, you will learn the tools necessary to reduce your lifecycle cost by building a success treatment plan in remediating both contaminates in soil and groundwater.