

## ***Building & Presenting Your Case for Risk & Remedy Using the FoREVER Tool*** ***November 30, 2023***

### **Classroom Course Details**

Over the course of three hours, attendees will discuss the following site reports.

#### **Historic Fill Site Case Study - Phase I Report and Phase II Scope of Work** *(Full group)*

1. Compare FoREVER Tool Questions to Phase I requirements
2. Phase I Review — Review Selected FoREVER Tool Questions and Discussion
3. Discuss FoREVER Tool Insights on Developing the Phase II Scope of Work
4. Discussion of communications making an LSP Opinion understandable to technical and non-technical readers.

#### **Phase Completion Summaries and Public Notification Letters – 4 Sites** *(Breakout into 4 small groups – 1 Site each)*

1. Compare FoREVER Tool Questions to Phase II/III requirements
2. Review Phase Completion Report Summaries, Figures and Public Notification letters for content to address selected FoREVER Tool questions
3. Small groups report out to large group and discuss Public Notice communications and making a summary of the LSP Opinion understandable to the non-technical reader.

#### **Large Chemical Spill IRA Case Study (4 Reports)** *(Full group)*

1. Compare FoREVER Tool Questions to IRA requirements
2. IRA Plan — Review Supportive Figures, Selected FoREVER Tool Questions and discussion on prioritizing Timely Assessment and Response Actions
3. IRA Status Report #1— Review developing CSM and Nature and Extent and discussion of next steps with selected FoREVER Tool Questions
4. IRA Status/ Modified IRAP – Review evolving CSM through IRA Remedy Implementation and discussion of next steps with selected FoREVER Tool Questions.
5. Phase I Report – Review evolving CSM through Remedial Monitoring and discussion of next steps with selected FoREVER Tool Questions.
6. Discuss FoREVER Tool Insights on prioritizing pathway assessments for risk characterization, timely implementation of remedies, and evaluation of remedy progress and possible subsequent remedy modification. Discussion of communications making an LSP Opinion understandable to the Technical and Non- Technical Reader, especially for a more complex site.

### **Course Wrap-Up**



assess.  
advise.  
restore.



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### **Instructor Bio**

#### **J. Andrew Irwin, PE, LSP**

Mr. Irwin is President of IRWIN Engineers, Inc. a firm located in Natick, Massachusetts specializing in chemical and environmental engineering. IRWIN Engineers was founded in 1996 and is a professional service firm providing effective response action support to owners of commercial real estate for assessment and cleanup of contaminated properties and engineering for inherently safer processing and release prevention at industrial sites.

Mr. Irwin received his Bachelor of Science and Master of Engineering degrees in chemical engineering from Cornell University and has over 30 years of professional engineering consulting experience. He is a practicing LSP and a Past President of the LSP Association. As a longstanding member of the LSPA Technical Practices Committee he has written many articles for the LSPA Newsletter and presented courses related to technical and regulatory facets of site assessment, remediation and, in particular, management of remediation waste and hazardous waste.