

## **Loss Prevention Review of MassDEP Audits: Key Takeaways from FY 20 NOAFs**

### **Presenter Biographies:**

#### **Lawrence McTiernan, P.G., LSP, Roux Associates**

Mr. McTiernan is a Principal Hydrogeologist at Roux Associates, with 30+ years of professional experience in environmental consulting. He holds a bachelor's degree in geology from Lafayette College and a master's degree in marine environmental sciences from the State University of New York at Stony Brook. His primary area of expertise is in the direction of environmental assessment and remediation projects at hazardous waste sites, with experience at a wide variety of MCP, Superfund, and RCRA sites impacted with petroleum products, chlorinated solvents, metals, and PCBs. He also provides high-level data analysis and interpretation for environmental allocation and litigation cases and has served as an expert witness on several

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

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 clean up 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 35 years of professional engineering consulting experience. He is a practicing LSP and a Past President of the LSP Association. As a member of the LSPA Technical Practices and Loss Prevention Committees 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.

#### **Philip Clark, PE (MA, CT, VT, NY), LSP, President, HCS Civil & Environmental Engineering**

Mr. Clark has been extensively involved with civil and environmental engineering projects for several years, both nationally as well as throughout the Northeast. Projects have included design and construction of wastewater and water collection and distribution as well as treatment systems. He was responsible for environmental modeling and assessment of combined sewer overflow discharges to Boston Harbor, including preliminary design of overflow control systems.

With nearly three decades of LSP experience, Mr. Clark has been in responsible charge of numerous site investigations, assessments, and remediations prior to and subsequent to establishment of Chapter 21E and the MCP. These services have addressed a wide range of site contamination issues involving petroleum products, volatile organic materials, and other hazardous materials. Many of these being designed as remedial risk reduction measures in accordance with provisions of the MCP. He also retains an asbestos designer certification in New York State.