



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

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## **MCP REDUA Refresher**

March 4, 2021

### **PRESENTATION DESCRIPTION**

The course is intended to familiarize participants with the purpose, content and practical application of the Representativeness Evaluation and Data Usability Assessment (REDUA) requirement in support of a Permanent Solution (pursuant to 310 CMR 40.1056(2)(k)). The course lecture will provide an overview of the “MCP Representativeness Evaluations and Data Usability Assessments” guidance document, and instruction on representativeness and data usability issues in site and risk characterization that arise in actual practice. The course objective is to give participants a concise understanding of the concepts and practical considerations involved and an appreciation of the value of incorporating representativeness and data quality concerns as standard practice of implementing and supporting MCP response actions.

### **INSTRUCTOR BIOGRAPHIES**

**John Fitzgerald** received a B.S. and M.S. in civil engineering from the University of Massachusetts at Lowell and is a Registered Professional Engineer in Massachusetts. He has been employed by the Massachusetts Department of Environmental Protection (DEP) since 1980, where he oversees the assessment and cleanup of sites contaminated by oil and hazardous materials.

**James Occhialini** is a Vice President with Alpha Analytical and he serves as the practice leader for the laboratory’s specialty analytical services group. Jim has over 40 years of environmental analytical and consulting experience working on a wide range of projects. Jim is very active with a number of regulatory workgroups and industry associations where he has given numerous technical presentations and training programs.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.  
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## **COURSE AGENDA**

**11:00 AM – 11:10 AM Introduction** (John Fitzgerald & James Occhialini)

**11:10 AM – 11:40 AM Representativeness** (John Fitzgerald)

- Quick Overview
- Importance of CSM
- Importance of field data/Triad Approach
- Common submittal deficiencies

**11:40 AM – 12:40 AM Data Usability Assessment** (James Occhialini)

- Compendium of analytical methods
- Data of known quality
- Evaluating data uncertainty
- Data quality assessment process
- Managing data usability information

**12:40 PM – 12:50 PM PFAS Analysis and REDUA?** (James Occhialini)

- How to incorporate the REDUA concept for a non-CAM method

**12:50 PM – 1:00 PM Questions and Answers** (John Fitzgerald & James Occhialini)