

**LSP ASSOCIATION CONTINUING EDUCATION SEMINAR
MCP Representativeness Evaluations & Data Usability Assessments**

February 26 & March 6, 13, 18, 2008

*The LSP Board has approved this course for 8.0 hours of “DEP Regulatory” Credit (Course #1348).
This is a **new** course – not previously offered.*

DESCRIPTION: This course is intended to familiarize participants with the purpose, content and practical application of the Representativeness Evaluation and Data Usability Assessment requirement in support of a Response Action Outcome (pursuant to 310 CMR 40.1056(2)(k)). The course lecture will provide background on the intent of the requirement, an overview of the “MCP Representativeness Evaluations and Data Usability Assessments” guidance document and other related MassDEP guidance, and instruction on representativeness and data usability issues in site and risk characterization that arise in actual practice. The course case study will look in-depth at how representativeness and data usability issues come into play in making and supporting site and risk characterization decisions under the MCP and will reinforce issues presented in the guidance and the lecture portion of the training. The course objective is to give participants a solid understanding of the concepts and practical considerations presented and an appreciation of the value of incorporating representativeness and data quality concerns as standard practice of implementing and supporting MCP response actions.

SCHEDULE: This course will be conducted in four locations throughout the Commonwealth during February and March 2008. Attendee participation will be limited to 100 attendees per seminar. Presenters will conduct the presentations and will follow the course outline noted above.

The dates and locations of the Data Usability 2008 course are detailed below:

Month	Date	Day	Hotel	Location
February	26th	Tuesday	Holiday Inn	Taunton
March	6th	Thursday	Bentley	Waltham
March	13th	Thursday	Holiday Inn	Holyoke
March	18th	Tuesday	Sheraton Hotel	Framingham

AGENDA: The course agenda is as follows:

- 8:00 AM – 8:15 AM Introduction**
- 8:15 AM – 10:00 AM Representativeness and Data Usability Guidance (MassDEP Staff)**
 Policy #WSC-07-350
 Background and MCP Requirement
 RAO Requirements
 Policy Structure, Goals and Data Applicability
 Representativeness Evaluation
 CSM
 Use of Field/Screening Data
 Sampling Rational
 Etc items from policy
 Data Usability Assessment
 Evaluation for CAM Compliant Data
 Evaluation for CAM Non-compliant, non-Cam and Pre-CAM Data
 Data Evaluation Criteria
 Field Data Usability Assessment
 Rejection of Analytical Data as a Result of Gross Failure

- 10:00 AM – 10:15 AM BREAK**
- 10:15 AM – 12:00 PM Evaluation of Data For Representativeness (Wes Stimpson)**
 Why representativeness is important in MCP decision-making
 Supplemental data needs
 Methods to evaluate
- Evaluation of Non-analytical Data For Intend Use (Wes Stimpson)**
 MCP examples of non-analytical data
 Importance of evaluation
 Methods to evaluate
- Evaluation of Analytical Data For Intend Use (James Occhialini)**
 How Data Gets Used in Support of the MCP
 Examples of How and When to Use
 Biased Data
 Compromised Data
 Marginal Data
 Non-CAM
- 12:00 PM – 1:00 PM LUNCH**
- 1:00 PM – 2:45 PM Case History - Class A-2 RAO for Residential (MassDEP and
 Fuel Oil Release From AST in Basement LSPA Panel)**
 Set Stage for Exercise
 Individually Review RAO minus REDUA Section
 Interactive and Guided Review of First Impressions, Release Details
 and Work Completed Including Development of CSM and Identification
 of Available Data
- 2:25 PM – 3:00 PM BREAK**
- 3:00 PM 4:45 PM Case History -- Continued**
 Interactive and Guided Representativeness Discussion for All Data
 Used in RAO
 Review REDUA Section from RAO and Data Usability and Documentation
 Review Approaches to Present REDUA in Report, What Works and
 Doesn't Work
- 4:45 PM – 5:00 PM Questions and Answers (MassDEP and LSPA Panel)**

SPEAKERS:

Elizabeth Callahan, MassDEP	Wesley Stimpson, WES Associates
Donald Muldoon, MassDEP	James Occhialini, Alpha Analytical Labs

BIOGRAPHIES:

Elizabeth Callahan

Elizabeth Callahan has worked for the Department of Environmental Protection in both the Northeast Region and Boston since 1986. Her previous DEP experience includes working in the Northeast Region in site management and audit programs. She is currently the Bureau of Waste Site Cleanup Policy Branch Chief, overseeing regulations and policy development for the Waste Site Cleanup program. Ms. Callahan chaired the workgroup that developed MassDEP's "MCP Representativeness Evaluations and Data Usability Assessments" guidance document.

Ms. Callahan holds a BA in Biological Sciences from Wellesley College and a Masters in Public Policy from the Harvard University Kennedy School of Government.

Donald Muldoon

Donald Muldoon has worked as a Policy Analyst with the Department of Environmental Protection's Division of Policy and Planning since 1998. In this capacity, his responsibilities include developing regulations, policies, and technical standards for assessing and cleaning up releases of oil and hazardous materials in support of c. 21E, the Massachusetts Contingency Plan (MCP).

Before coming to Boston, Mr. Muldoon worked in the Department's Southeast Region from 1996 through 1998 providing technical and regulatory support and oversight for numerous soil and groundwater remediation and Unexploded Ordnance (UXO) clearance projects at the Massachusetts Military Reservation (MMR) in Cape Cod, MA.

Prior to joining the Department, Mr. Muldoon worked for a number of private engineering firms and provided analytical, consulting and project management support to global public/private sector water, wastewater, and hazardous waste projects as an Environmental Consultant and Laboratory Manager.

Mr. Muldoon chaired the workgroup that developed the Compendium of Analytical Methods (CAM) and is currently chairing a workgroup to finalize the APH Method. Mr. Muldoon holds a BS in Chemistry from Stonehill College and a Masters degree in Physical Chemistry from Boston College.

James Occhialini

James Occhialini is Vice President - Technical Sales at Alpha Analytical Labs. He provides extensive project-level technical support in the areas of data interpretation; data usability; sampling and analytical method selection; and quality assurance/quality control. He is active in several industry associations including serving as president of the Independent Testing Laboratories Association (ITLA) and a member of LSP Association (LSPA) Technical Practices Committee.

Mr. Occhialini also is a member of MassDEP workgroups addressing data quality issues including: MCP Data Quality Enhancement; the EPH/VPH Workgroup; and Representativeness Evaluation and Data Usability. He has served as a trainer for the ten sessions of MCP Data Quality Enhancement Program training provided by the MassDEP and the recent LSPA Data Usability and the MCP training.

Wesley Stimpson, LSP, PE

Wesley Stimpson is an environmental professional and professional engineer with over thirty years of consulting practice. He is the owner of WES Associates where he provides consulting LSP services for various MCP disposal site needs. Active in the LSPA since its start, and more active since leaving full time employment at Haley & Aldrich, Inc in 2000, he now serves as the part-time Executive Director of the Association.

Mr. Stimpson volunteers on various workgroups established by the Massachusetts DEP to review changes, refinements and increased regulation under the MCP. He has recently been very active in

the MassDEP workgroups for the development of the Compendium of Analytical Methods where MassDEP concerns for data management were developed, the inclusion of releases of asbestos debris to soil (AIS) in the MCP and has reviewed and commented on the MCP Wave 2 and AIS regulatory changes.

Together with Mr. James Occhialini, Mr. Stimpson participated in the recent LSPA Data Usability training and continues to contribute articles to the LSPA News and lecture on topics of interest to LSPs at various forums.