Aug 19-20, 2014
Workshop on Incremental Sampling and
Field XRF for Metal Contamination in Soils

Invited Speakers

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Mr. Stephen Dyment

Ms. Deana Crumbling

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Mr. Stephen Dyment

- Senior Program Manager / Analytical Chemist
- U.S. Environmental Protection Agency

Mr. Stephen Dyment is a chemist with more than 18 years experience including 4 years in a commercial analytical laboratory and 8 years in environmental consulting. His accomplished and dynamic career experience in planning, developing, and implementing state of the art solutions for industry and environmental sites with complex remediation and compliance issues. He joined EPA in 2005 with a focus towards enhancing acceptance and use of emerging analytical technologies and sampling strategies.
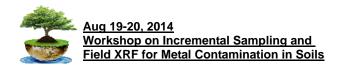
His perspective draws upon years of practical laboratory and field experience to apply EPA's Triad approach at sites in Superfund, Brownfields, Resource Conservation and Recovery Act (RCRA), dioxin interim Preliminary Remediation Goal (iPRG), underground storage tanks, and state programs. He manage significant contracts with technical support contractors and interagency agreements with the U.S. Army Corps of Engineers, and Argonne National Laboratory.

Mr. Stephen Dyment's efforts have resulted in the development of numerous EPA case studies, profiles, and training courses that outline successful strategies for the use and understanding of collaborative data sets, adaptive quality control programs, and real time analytics. He holds a B.S. in Environmental Science/Toxicology from the University of Massachusetts at Amherst.

Mr. Stephen Dyment's innovative professional with proven ability to develop and implement field and laboratory analytical chemistry techniques, manage decision uncertainty, design sampling networks, provide statistical data analysis, and utilize project management strategies to facilitate significant cost savings and expedite site closure or redevelopment.

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Ms. Deana Crumbling

- Environmental Scientist
- U.S. Environmental Protection Agency

Ms. Deana Crumbling is an Environmental Scientist in the U.S. Environmental Protection Agency's Superfund program. Since 1997 she has focused on the topics of dynamic work plans, field analysis and other analytical chemistry technologies, sampling designs and data uncertainty management. She has delivered hundreds of national and international conference presentations, classroom training courses and webinars.

Ms. Deana Crumbling's work at U.S. EPA involves using emerging technologies to speed up characterization of contaminated land while simultaneously documenting the scientific and statistical defensibility of cleanup decisions and lowering overall cleanup costs. She also participates in a range of cross-government collaborations to evaluate research products, disseminate information about the difficulties of obtaining reliable information from soil samples, and urge practitioners to adopt more efficient and effective procedures.

Before coming to EPA, Ms. Deana Crumbling worked for 2 years as a risk assessor for an environmental consulting firm, for 2 years as a lab and safety manager and adjunct faculty for a college, for 1 year as a science consultant for an environmental attorney, and 1 year in the Pennsylvania State Hazardous Site Cleanup Program.

Ms. Deana Crumbling worked for 20 years as a hospital-based clinical laboratory analyst and trainer. Deana was a team member in the ITRC Site Characterization and Monitoring Team from 2002 to 2004. She earned a bachelor's in biochemistry and a bachelor's in psychology from Lebanon Valley College in Lebanon, Pennsylvania, in 1989, and a master's in environmental science from Drexel University in Philadelphia, Pennsylvania, in 1997.