

Multi-Agency Radiological Laboratory Analytical Protocols (MARLAP) Practical Training on MARLAP Part I

What: MARLAP Part I is intended for planners and managers of radioanalytical projects and laboratory personnel who support them. Part I provides the basic framework of the directed planning process, including project planning, key issues to be considered during the development of analytical protocol specifications, developing measurement quality objectives, understanding the qualitative and quantitative components of method uncertainty, project planning documents and their significance, obtaining laboratory services, selecting and applying analytical methods, evaluating methods and laboratories, verifying and validating radiochemical data, and assessing data quality.

This three-day course will cover all aspects of radiochemical project planning and will provide practical examples, exercises, and case studies. The course will conclude with a comprehensive exercise where participants will apply what they learned to evaluate indoor and ambient air quality following the release of Am-241 from a radiological dispersion device (RDD, or "dirty bomb").

Who Should Attend: Project Managers and planners for radiation sites and facilities working on projects requiring radioanalytical data for decisionmaking; and laboratory personnel working on radioanalytical projects.

When: August 7–9, 2012
8:00 am to 4:45 pm Tuesday,
8:15 am to 4:45 pm Wednesday, and
8:00 am to 4:15 pm Thursday

Where: Sam Nunn Atlanta Federal Center (SNAFC)
61 Forsyth Street SW
Atlanta, GA 30303-8960

Directions and Visitor Information Jon Richards
404-562-8648
Richards.Jon@epa.gov
www.epa.gov/aboutepa/region4visit.html

The Atlanta Federal Center is a secure facility. Visitors must be pre-registered and will need to check with the receptionist, who will have your name on an approved entry list. The main entrance to the building is located on Forsyth Street. After signing in, you will be directed to the Augusta Room on the third floor.

To Register: (Registration Deadline www.trainex.org/marlap July 29, 2012)

For questions about the training John Griggs
334-270-3450
Griggs.John@epa.gov

Cost: FREE!

Instructors

Robert Litman, Ph.D., has been a researcher and practitioner of nuclear and radiochemical analysis for the past 40 years. He is well respected in the nuclear power industry as a specialist in radiochemistry and instrumentation. His particular areas of expertise are gamma spectroscopy and radiochemical separations. Dr. Litman co-authored two chapters of MARLAP and co-authored several EPA documents over the past six years dealing with emergency response and rapid radiochemical analysis for radiochemical laboratories. Dr. Litman has been teaching courses in radiochemistry and related special areas for the past 30 years.

Keith McCroan, Ph.D., is an information technology specialist with the National Air and Radiation Environmental Laboratory of the U.S. Environmental Protection Agency, where he has worked since 1991. Although his formal education was in mathematics and computer science, he has become better known among radiochemists as a statistician and metrologist. Dr. McCroan was the principal author of five chapters and appendices of MARLAP, including the chapters on measurement uncertainty and detection and quantification limits, and was a contributor to four other chapters.

David E. McCurdy, Ph.D., is a nationally recognized expert in radioanalytical method development, and he has more than 40 years of experience in the areas of radiometry, radiochemical method development, radiobioassay, radiological laboratory operations, environmental monitoring and pathway analysis. He was the principal author or co-author of seven chapters and appendices of MARLAP, and also co-authored several EPA publications dealing with radionuclides in drinking water and emergency response and rapid radiochemical analysis for radiochemical laboratories.