

MULTI-AGENCY RADIATION SURVEY AND SITE INVESTIGATION MANUAL (MARSSIM)

The Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) was produced jointly by DOD, DOE, EPA and the NRC. This course provides information essential to environmental personnel responsible for planning, conducting, evaluating and documenting building surface and surface soil final status radiological surveys for demonstrating compliance with dose or risk-based regulations or standards. The course supports the MARSSIM objective to bring about a nationally consistent approach for conducting radiation surveys and investigations at potentially contaminated sites nation wide. Demonstrations of successful cleanups, termed as Final Status Surveys in MARSSIM, are required by the responsible Federal or State Agency at the end of the clean up actions. This course assists site and regulatory personnel in assessing such demonstrations. The course features problem-solving, cases studies, and highly interactive exchanges between instructors and students to enhance learning. Handouts, references, a CD and hard copy of the MARSSIM are provided.

Topics Covered

- Overview of the Radiation Survey and Site Investigation Process
- Historical Site Assessment
- Preliminary Survey Considerations
- Survey Planning and Design
- Field Measurement Methods and Instrumentation
- Sampling and Preparation for
 - Interpretation of Survey Results
 - Quality Assurance and Quality Control

Who Should Attend

Federal, State and Tribal Agency personnel involved in site clean up activities that include conducting radiation surveys and investigations to support demonstrating a successful clean up. This course is oriented toward CERCLA, federal facility, and RCRA sites.

Course Learning Objectives

At the end of the course participants will be able to:

- Apply the MARSSIM “tool box” to accomplish surveys of contaminated surface soil and building surfaces at their site and to judge if the site meets the release criterion.
- Apply the MARSSIM guidance for acquiring site-specific data, for determining when their site is ready for a final survey and to determine if remediation was successful.
- Design surveys to collect data needed to reach conclusions that will support decisions whether or not to release a site.

Multi-Agency Radiation Survey and Site Investigation Manual (cont.)

Registration and Cost

Class size is limited, so please register early. The deadline for registration is three (3) weeks prior to each offering. There is no cost for these offerings for Federal and State Agency personnel but EPA and state employees have priority.

Course Questions Contact

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Continuing Education Units: 2.0

ABIH Certification Maintenance points: 3.0

Course Dates and Locations

2004

November 16–18 Region 5

2005

January 11–13 Region 6 September 20–22 Region 9
April 5–7 Region 10