

Inter-Governmental Data Quality Task Force

Weight-of-Evidence Decision Making for RI/FS at Munition Response Sites

Course Description:

Using the Munitions Response Quality Assurance Project Plan Toolkit Module 1: Remedial Investigation (RI)/ Feasibility Study (FS) as a guide applied to an example Munitions Response Site, this training course demonstrates weight-of-evidence decision making for the RI/FS phase of investigation. This two-day training course, which employs both large and small group discussions, covers project planning, data quality objective development and data usability assessment. As a prerequisite to ensure a baseline knowledge of MRS investigations, attendees are encouraged to take the online ITRC training course, “Quality Considerations for Multiple Aspects of Munitions Response Sites” (<https://qcmr-1.itrcweb.org/training/>).

Course Outline Day 1

- I. Welcome/Introduction (0830 – 0900) (Jordan Adelson)
- II. Weight-of-Evidence Decision-Making and the Conceptual Site Model (0900 – 0930) (Jeff Swanson)
- III. The CERCLA Process for Munitions Response (0930 – 0945) (Doug Maddox)

Break (0945 – 1000)

- IV. Developing the Quality Assurance Project Plan (1000 – 1045) (William (Ed) Corl)
- V. Geophysical Technology Overview (1045 – 1115) (Anne Andrews)
- VI. Sampling Design (1115 – 1145) (Herb Nelson)

Lunch (1145 – 1245)

- VII. Whole-Group Discussion using Example CSM (1245 - 1345) (Anne Andrews)
 - a. Preliminary MRS Characterization – Data Quality Objectives (DQO) Steps 1 – 4
 - b. Introduction to the Data Usability Assessment (DUA)
- VIII. Concurrent Small-Group Sessions (1345 – 1545) (Includes 15-minute break)
(Preliminary MRS Characterization – DQO Steps 5-7, analysis, and DUA)
Example 1: MRS A – North PC (Jordan Adelson and Jeff Swanson)
Example 2: MRS A – South PC (Herb Nelson and Andy Schwartz)
Example 3: MRS B – DGM Area PC (Ed Corl and John Jackson)
Example 4: MRS B – Steep Terrain PC (Doug Maddox and Brian Jordan)
- IX. Day One Wrap-up Discussion (1545 – 1630) (Jordan Adelson and Herb Nelson)

Course Outline Day 2

- X. Summary from Day 1 (0800 – 0830) (Jordan Adelson)
- XI. Whole Group Discussion – Detailed Characterization (0830 – 0900) (Anne Andrews and Jordan Adelson)
- XII. Concurrent Small Group Sessions (0900 – 1100) (Includes 15-minute break)
(Detailed Characterization DQO Steps 1-7 and DUA)
Example 1: MRS A – North DC (Jordan Adelson and Jeff Swanson)
Example 2: MRS A – South DC (Herb Nelson and Andy Schwartz)
Example 3: MRS B – DGM Area DC (Ed Corl and John Jackson)
Example 4: MRS B – Steep Terrain DC (Doug Maddox and Brian Jordan)

Lunch (1100-1230)

- XIII. Regroup (1230 - 1300) (Jordan Adelson, Herb Nelson, and Jeff Swanson)
- XIV. New Site CSM and DQO Steps 1-7 (1300 – 1500) (includes 15-minute break) (Anne Andrews and John Jackson)
- XV. Day 2 Wrap-up Discussion (1500 – 1600) (Jordan Adelson, Herb Nelson and Doug Maddox)