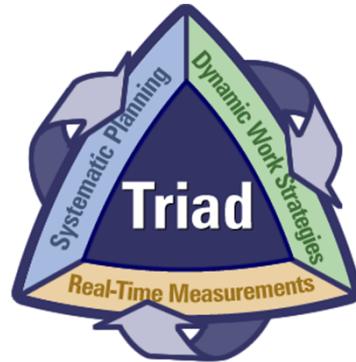


Module 1

Welcome and Introduction



Overview Agenda

- Restoration Process Overview
- Basic Terms and Concepts
- Sources of Decision Uncertainty
- Triad Toolbox
- Case Study

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Instructor

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20+ years of experience designing characterization programs for hazardous waste sites. Experience with DOE sites includes Argonne, Ashtabula, Brookhaven, Fernald, Hanford, Mound, Oak Ridge, Paducah, Rocky Flats, Sandia, Site A, and West Valley. Other sites include the FUSRAP program, several DoD facilities, and Superfund sites. Currently also supports the EPA's Technology Innovation Office and the International Atomic Energy Agency. Particular area of expertise is the application of real-time characterization techniques for expediting characterization and remediation efforts.

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Presentation Purpose and Goal

- The Triad approach leverages advances in real-time data collection to address decision uncertainty in the cleanup process.
- Purpose of this presentation is to introduce participants to the Triad approach and provide an overview of some techniques in the Triad toolbox

Workshop Focus

- Focus is on keeping data collection programs as efficient and effective as possible
- Data collection spans a variety of media and purposes:
 - Buildings/real property
 - Waste streams
 - **Soils (primary emphasis)**
 - Surface Water
 - Groundwater
 - Sediments
 - Biota
 - Air monitoring

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Participant Introductions and Goals



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Key Take Away Points...

- The Triad approach can significantly improve (i.e., better decisions, reduced costs) site characterization and remediation activities
- A number of techniques in the Triad toolbox may be directly applicable to Portsmouth's challenges
- Implementing a Triad approach requires a paradigm change in the way data collection and field work is designed and implemented
- Triad emphasis is on addressing decision uncertainty in the field as work is underway in a technically defensible manner

Any Questions?



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