



Course manual for Remedial Design/Remedial Action

COURSE OUTLINE

Remedial Design/Remedial Action

- I. Overview of RD/RA Training for RPMs
- II. Role of the RPM
- III. RD/RA Planning
 - A. Overview of Transition from ROD to RD/RA
 - B. Making the Transition from ROD to RD/RA
 - C. Contracting Strategy
 - D. Communicating and Coordinating
 - E. RD/RA Planning Summary
- IV. Remedial Design
 - A. Remedial Design Overview
 - B. Initiating the Remedial Design
 - C. Overseeing Design Development
 - D. Transition from RD to RA
 - E. Remedial Design Summary
- V. Remedial Action
 - A. Overview of Remedial Action
 - B. Remedial Action Process
 - C. RA Implementation
 - D. Remedial Action Summary
- VI. Post-Construction Activities
- VII. Wrap Up

Course Description and Objectives

Remedial Design/Remedial Action (RD/RA) focuses on aspects of the RD/RA phase of a Superfund project and the objectives, issues and challenges that Remedial Project Managers (RPM) face during response planning and implementation. This course focuses on Fund-lead actions and also addresses in less detail RD/RA actions lead by potentially responsible parties and other federal agencies. By taking the course, participants will achieve the following objectives:

- **Identify steps for implementing and completing an RD/RA project under Superfund.** The course provides a comprehensive examination of the RD/RA process.
- **Describe the overall effort needed to conduct an RD/RA project and identify and anticipate the difficulties that can arise during such an effort.** The course provides practical guidance that helps both engineers and RPMs who have other backgrounds effectively implement the design and construction phases of a Superfund cleanup.
- **Describe the role of the RPM as a project manager.** The course examines the crucial role of the RPM in planning an RD/RA project; effectively managing contracting, scheduling, budgeting and other aspects of the effort; coordinating activities with states and tribes; conducting effective community involvement efforts; and more.
- **Apply the skills they have developed to real-life situations.** The course provides RPMs the opportunity to work through realistic case studies that highlight actual issues and problems that can arise.

Target Audience and Registration Information

RD/RA is a 2-day training course and is intended primarily for RPMs who have two or more years of experience or who currently are or soon will be involved in an RD/RA project. The course is also open to other federal, state and tribal personnel. **THIS COURSE IS NOT OPEN TO CONTRACTORS.**

Visit www.trainex.org and select the CERCLA Education Center to view the current schedule of offerings and register to attend. There are no tuition costs for this training. Participants will receive reference material, including a detailed manual, to continue their education after the course ends.

Other CERCLA Education Center Courses

- **Fundamentals of Superfund:** Provides an overview of the purpose, legal framework, and implementation of CERCLA and the NCP for newly hired Remedial Project Managers (RPM) and On-Scene Coordinators (OSC).
- **Remedial Process:** Provides a comprehensive examination of the technical and regulatory issues that must be addressed during remedial response efforts at Superfund sites. This training is designed primarily for RPMs and other environmental professionals in the Superfund program who are responsible for or need to know about remedial activities under CERCLA.
- **RPM 201:** Provides an interactive approach to prepare RPMs for the challenges they will face as they prepare for a remedial action. The course provides instruction on how to manage common issues or concepts at remedial action sites such as vapor intrusion, sediment removal, contaminated groundwater plumes and green remediation.

Online Resources

TRAINEX

The Training Exchange website

provides a wide range of training information for staff involved in hazardous waste management and remediation. The site provides up-to-date course information and training schedules for classroom and internet-based courses.
www.trainex.org



OTHER SOURCES FOR INFORMATION

HAZARDOUS WASTE CLEAN-UP INFORMATION (CLU-IN)

www.clu-in.org

NATIONAL ASSOCIATION OF REMEDIAL PROJECT MANAGERS (NARPM) ANNUAL TRAINING PROGRAM

www.epanarpm.org

TRIAD RESOURCE CENTER

www.triadcentral.org

GREEN REMEDIATION

www.clu-in.org/greenremediation

BROWNFIELDS AND LAND REVITALIZATION TECHNOLOGY SUPPORT CENTER (BTSC)

www.brownfieldstsc.org

ENVIRONMENTAL RESPONSE TRAINING PROGRAM (ERTP)

www.trainex.org and select the ERTTP

INTERSTATE TECHNOLOGY & REGULATORY COUNCIL

www.itrcweb.org

FEDERAL REMEDIATION TECHNOLOGIES ROUNDTABLE

www.frtr.gov

TECHNOLOGY INNOVATION PROGRAM HOME PAGE ON EPA'S WEBSITE

www.epa.gov/superfund/remedytech

TECHNICAL SUPPORT PROJECT

www.epa.gov/superfund/remedytech/partner.htm

ABOUT THE CERCLA EDUCATION CENTER

The CERCLA Education Center (CEC) is a unique training forum implemented by EPA's Office of Solid Waste and Emergency Response. CEC courses have been developed cooperatively by the Office of Superfund Remediation and Technology Innovation; the Office of Emergency Management; the Office of Acquisition Management; the Office of Enforcement and Compliance Assurance; and the Office of Research and Development. Site managers from EPA regions provide technical advice, comment and support. The CEC's structured curriculum, designed primarily for EPA hazardous waste site managers and responders, enables participants to attend training that is of particular interest to them and most appropriate for their projects and workloads.

UP-TO-DATE COURSE INFORMATION

For information about course schedules, visit EPA's Training Exchange at www.trainex.org.

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