



Course manual for Remedial Process

## COURSE OUTLINE

### Remedial Process

- I. Introduction
- II. Essential Program Elements
  - A. Risk Management
  - B. Guiding Principles and Expectations
  - C. CERCLA Compliance with ARARs
  - D. Planning for Community Involvement
- III. Developing and Selecting Remedial Alternatives
  - A. Remedial Investigation
  - B. Feasibility Study
  - C. Superfund Decision Documents
- IV. Oversight and Enforcement
- V. Community Involvement and Superfund Redevelopment
- VI. Contracts and Resources
- VII. Implementing and Completing Remedies
  - A. Remedial Design/Remedial Action
  - B. Operation and Maintenance
  - C. Five-Year Reviews
  - D. Site Closeout

## Course Description and Objectives

Remedial Process is a beginner-level training course that provides a comprehensive examination of the technical and regulatory issues that Remedial Project Managers (RPM) must address as they oversee remedial response efforts at Superfund sites.

By taking the course, participants will achieve the following objectives:

- **Learn the process to implement remedial response activities at Superfund sites and methods to conduct such activities effectively.** The course discusses strategies for site characterization, oversight and enforcement, applicable or relevant and appropriate requirements (ARAR), contracts and resources, Superfund decision documents, remedial design and remedial action (RD/RA) and community involvement.
- **Understand and identify the various regulatory and administrative aspects of the Superfund program.** The course examines a number of contracting issues, identifies resources that support contracting efforts, and reviews requirements for operation and maintenance activities, site close-out, five-year reviews and remedy optimization.
- **Develop an awareness of the role of community involvement in the remedial process.** The course discusses the principles of community involvement, the role of community involvement plans and various methods for engaging communities.
- **Apply the knowledge RPMs gain during the course.** Participants take part in several activities that give them the opportunity to apply their newly acquired skills and knowledge to realistic situations that reflect the real-life experiences of RPMs working in the Superfund program.

## Target Audience and Registration Information

The *Remedial Process* course is a 4 ½-day course and is designed for RPMs and other environmental professionals who have one to three years of experience in the Superfund program and who are responsible for or need to know about remedial response activities under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). **THIS COURSE IS NOT OPEN TO CONTRACTORS.** The Fundamentals of Superfund course is a prerequisite for EPA employees who would like to attend the Remedial Process course.

Visit [www.trainex.org](http://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 RPMs and On-Scene Coordinators (OSC).
- **Groundwater High-Resolution Site Characterization:** Provides a comprehensive approach to help participants improve their subsurface investigation approaches and develop more realistic and CSMs.
- **Remedial Design/Remedial Action (RD/RA) Training:** Provides steps for implementing and completing an RD/RA under Superfund and describes the overall effort needed to conduct an RD/RA project. The training program is designed primarily for RPMs who currently or soon will be involved in an RD/RA project.
- **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](http://www.trainex.org)



### OTHER SOURCES FOR INFORMATION

#### HAZARDOUS WASTE CLEAN-UP INFORMATION (CLU-IN)

[www.clu-in.org](http://www.clu-in.org)

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

[www.epanarpm.org](http://www.epanarpm.org)

#### TRIAD RESOURCE CENTER

[www.triadcentral.org](http://www.triadcentral.org)

#### GREEN REMEDIATION

[www.clu-in.org/greenremediation](http://www.clu-in.org/greenremediation)

#### BROWNFIELDS AND LAND REVITALIZATION TECHNOLOGY SUPPORT CENTER (BTSC)

[www.brownfieldstsc.org](http://www.brownfieldstsc.org)

#### ENVIRONMENTAL RESPONSE TRAINING PROGRAM (ERTP)

[www.trainex.org](http://www.trainex.org) and select the ERTP

#### INTERSTATE TECHNOLOGY & REGULATORY COUNCIL

[www.itrcweb.org](http://www.itrcweb.org)

#### FEDERAL REMEDIATION TECHNOLOGIES ROUNDTABLE

[www.frtr.gov](http://www.frtr.gov)

#### TECHNOLOGY INNOVATION PROGRAM HOME PAGE ON EPA'S WEBSITE

[www.epa.gov/superfund/remedytech](http://www.epa.gov/superfund/remedytech)

#### TECHNICAL SUPPORT PROJECT

[www.epa.gov/superfund/remedytech/partner.htm](http://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](http://www.trainex.org).*

