

Training Partners



The Community Involvement University (CIU) provides opportunities for headquarters and regional staff from EPA's programs to build skills needed for successful community involvement. CIU offers different community involvement, facilitation, risk communication, and cross-cultural collaboration courses each year. The CIU is managed by the Community Involvement and Outreach Branch (CIOB) in EPA's Office of Superfund Remediation and Technology Innovation. For information, visit <http://www.trainex.org> and select the CIU.



The Interstate Technology and Regulatory Council (ITRC) is a state-led coalition working together with federal partners, industry, academia, and stakeholders to achieve regulatory acceptance of environmental technologies. In conjunction with EPA's Technology Innovation and Field Services Division, ITRC delivers training through the Internet to reach a geographically dispersed audience of regulators, consultants, and other members of the environmental community. For information, visit <http://www.trainex.org> and select the ITRC.

ERTP As part of EPA's comprehensive program for protecting the public and the environment from hazardous materials, EPA's Environmental Response Training Program's (ERTP) courses are designed for personnel who respond to spill events and investigate and clean up abandoned hazardous waste sites. Training is provided in health and safety and various technical operations needed to identify, evaluate, and control hazardous substances that have been released. ERTP also can quickly develop technically focused courses to address current issues facing responders (such as, Anthrax, biohazards, and air monitoring for Weapons of Mass Destruction). For information, visit <http://www.trainex.org> and select the ERTP.

More Information

For information about the CERCLA Education Center and the schedule of course offerings, visit EPA's Training Exchange Web site at www.trainex.org.

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.



Hazard Ranking System



Course Description and Objectives

Hazard Ranking System (HRS) provides a detailed review of the HRS model and how the model is applied to various site conditions. The course is intended to enable staff to prepare HRS packages for the National Priorities List (NPL) and to plan and implement preliminary assessments (PA) and site inspections (SI) to address future HRS scoring issues. By taking the course, participants will achieve the following objectives:



- ❖ *Explain the site assessment process under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the role of HRS.* The course provides an overview of key provisions of CERCLA and the general response process established under the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The course discusses procedures and requirements for conducting site assessments and using the HRS to score sites for placement on the NPL.
- ❖ *Define and explain the HRS in detail.* The course explains the overall structure and elements of the HRS and how a site score is calculated. The course also provides a detailed explanation of each scoring factor (likelihood of release, waste characterization, and targets) for each pathway (ground water, surface water, soil exposure, and air) evaluated by the HRS. In addition, the course addresses HRS rules for scoring sites with releases of radionuclides.
- ❖ *Illustrate a general approach to scoring sites using the HRS and preparing an HRS package.* The course provides an introduction to the process by which HRS packages are prepared, identifies the elements of a complete package, and discusses effective scoring strategy. The course examines documentation and analytical data quality needed to support HRS packages.

- ❖ *Identify and use guidance and software to successfully prepare an HRS package.* The course will identify regulations and guidance issued by the U.S. Environmental Protection Agency (EPA) applicable to HRS scoring packages and has participants use EPA's Quickscore, an automated method of scoring, to prepare a HRS score for a site.

Course Outline

- I. Introduction to HRS
- II. CERCLA and HRS: Legal Background
- III. Overview of the HRS
- IV. HRS Documentation Package and Analytical Data Quality
- V. Sources and Waste Characterization
- VI. Likelihood of Release
- VII. Targets – Levels of Contamination
- VIII. Ground Water Pathway
- IX. Surface Water Pathway
- X. Ground Water to Surface Water Component
- XI. Air Pathway
- XII. Soil Exposure Pathway
- XIII. Radionuclides
- XIV. Course Conclusion



Target Audience and Registration Information

The *HRS* course is a 4-day workshop held at various locations in the continental United States. 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 course. The course is designed for personnel who are required to compile, draft, and review preliminary PA, SI, and HRS documentation records and packages submitted for sites proposed for the NPL. This course is open to EPA, federal, state, and tribal personnel who support site investigation programs.



Participants will receive reference material, including a detailed manual to continue their education after the course ends.

Other CERCLA Education Center Courses

- ❖ ***Preliminary Assessment/Site Inspection (PA/SI)*** - Provides an introduction to the Superfund site assessment process and describes the preliminary assessment (PA) and site inspection (SI) phases of this process.
- ❖ ***Fundamentals of Superfund*** - Provides an overview of the purpose, legal framework, and implementation of the CERCLA and the NCP for newly hired Remedial Project Managers (RPM) and On-Scene Coordinators (OSC).
- ❖ ***Remedial Process Course*** - 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.