

ENVIRONMENTAL REMEDIATION TECHNOLOGIES (165.3)

3 DAYS

This introductory-level course provides participants with an overview of the treatment technologies most frequently used for cleanups of contaminated media. The emphasis of the course is on the technology description, applicability, and limitations of appropriate treatment technologies, rather than on the design of such systems. It is intended for new On-Scene Coordinators, Remedial Project Managers, Waste Site Managers, and other environmental personnel interested in remediation.

Topics that are discussed include site stabilization; site characterization; fate and transport; technology screening; capping and containment; basic water treatment; chemical reactions and separations; *in-situ* treatments; aqueous biological treatment; phytoremediation; bioremediation; soil washing and solvent extraction; thermal treatment; immobilization; and process testing.

Training methods include lectures and group problem-solving exercises. Case studies are used to demonstrate applications of the treatment technologies. Group discussions relevant to the course are encouraged.

After completing the course, participants will be able to:

- Evaluate appropriate techniques to assess, stabilize, and screen potential remedies for contaminated sites.
- Identify the processes and explain the limitations of the most frequently used treatment technologies.
- Identify resources that describe innovative treatment technologies.

Note: Calculators are recommended.

Continuing Education Units: 1.9