

Course Description and Objectives

The *Electroplating Processes and Cleanup Course* is a four-hour, self-paced web-based series of lessons. The course integrates web-based training (WBT) with audio/video presentations to present a proven operational approach for responding to contamination at electroplating facilities. The course includes information ranging from the electroplating process to remediation of hazardous wastes. By taking the course, participants will achieve the following objectives:

- **Understand the operational approach to cleanup (including evaluation of the site and planning for the cleanup).** The topics for this lesson include the responsibilities of an On-Scene Coordinator (OSC), the removal action phases, considerations for waste characterization, methods for evaluating the nature and extent of contamination, and methods to remediate a contaminated site.
- **Understand the fundamentals of electrochemistry and the current state of the electroplating industry.** The topics for this lesson include various metal plating processes, operating practices that contribute to waste generation, considerations for constructing a plating tank, functional plating methods, cleaning and rinsing, and treatment solutions for general waste types.
- **Develop an awareness regarding disposal of chemical wastes during removal.** The topics for this lesson include benefits, risks, and procedures for bulking liquid wastes.
- **Understand health and safety issues to prevent worker injury.** The topics for this lesson include chemical and physical hazards, air monitoring, and personal protective equipment (PPE).
- **Understand how to analyze and profile plating shops and their wastes in order to guarantee safe and efficient transportation of wastes.** The topics for this lesson include procedures to profile plating shops, procedures to identify waste streams, Resource Conservation and Recovery Act (RCRA) classifications of hazardous wastes, and criteria to include on profile sheets.



Please see the reverse side of this flier for a condensed outline of the course, as well as information to register for the course.

Target Audience

There are no tuition costs for this course, which is intended primarily for OSC, remedial project managers (RPMs), and state personnel who are responsible for the evaluation and cleanup of electroplating operations. There are no specific prerequisites for this course, except for familiarity with the terminology used to describe electroplating processes.

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 many EPA regions provide technical advice, comment, and support. The CEC's structured curriculum, designed primarily for EPA hazardous waste site managers, enables participants to attend training that is of particular interest to them and most appropriate for their projects and workloads.

Condensed Course Outline

- I. Introduction
- II. Operational Approach
- III. Electroplating Processes
- IV. Characterization and Bulking
- V. Health and Safety Issues

How to Register

Be sure to register on-line for the *Electroplating Processes and Cleanup Course* and view the most recent schedule of course offerings at www.trainex.org.

Related Courses

Additional training opportunities for OSCs include:

- **The OSC Readiness Training Program** allows OSCs to strengthen the knowledge and skills essential to successful job performance. This annual training program showcases regional case studies, current tools, and other resources available to OSCs. The training that is offered is by OSCs for OSCs. For information about the conference and training offered, visit www.oscreadiness.org.
- **OSC Warrant Officer Training** provides an overview of the contracting and program authorities vested in a warranted OSC and explains the various tools, procurement and non-procurement, that are available to an OSC during emergency and time critical removals. This 5-day training is for OSCs, Project Officers (PO), and Contracting Officers (CO).
- **Waste Treatment, Transportation, and Disposal Course** focuses on specific technical and regulatory issues that OSCs must address when treating, transporting, and disposing of waste from removal actions. RPMs, Site Assessment Managers, and state and local emergency response personnel also may benefit from this 2-day advanced level training.
- **EPA Environmental Response Training Program (ERTP)** provides several courses designed for personnel who respond to emergencies or who investigate and cleanup abandoned hazardous waste sites. Training is provided in health and safety as well as in the various technical operations needed to identify, evaluate, and control hazardous substances that have been released. For more information about ERTTP and training courses offered, please call (513) 569-7537 or visit www.ert.org.

More Information

For more information about the CEC and the most recent schedule of course offerings, please call (703) 603-9910 or visit EPA's web site about training opportunities at www.trainex.org.