



US Army Corps  
of Engineers  
Huntsville Center

Program Manager  
402-697-2562  
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## Environmental and Munitions Center of Expertise (EM CX)

### Available Training

**RELEVANT  
READY  
RESPONSIVE  
RELIABLE**

*Proudly serving the Armed Forces and  
the Nation now and in the future.*

Public Affairs Office 256-895-1693  
<http://www.hnd.usace.army.mil>

The Environmental and Munitions Center of Expertise (EM CX) offers Proponent Sponsored Engineer Corps Training (PROSPECT) and non-PROSPECT courses, workshops and mentoring sessions. PROSPECT and non-PROSPECT training is available to all federal agencies.

### PROSPECT Courses

The following environmental regulatory training courses are available through PROSPECT and can be found in the "Managers and Supervisors Training Handbook" also known as "The Purple Book" found at <http://pdsc.usace.army.mil/CrsScheduleNewFy.aspx>.

#### Regulatory Compliance Courses

Environmental Regulations Practical Application Course (Course Control Number 398) — This course teaches how to apply the various environmental regulatory requirements from a practical perspective.

The CERCLA/RCRA Process (Course Control Number 356) — This course trains staff involved with hazardous and toxic waste projects on military and civil works projects in the proper application of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA) and other relevant environmental laws, regulations, and policies. Course is Interservice Environmental Education Review Board (ISEERB)-approved.

CERCLA Process Workshop (CCN 356) — This course addresses the CERCLA regulatory requirements for specific programs.

#### Transportation/Manifesting Courses

Hazardous Waste Manifesting and Department of Transportation Certification (CCN 223) — This DOD and ISEERB approved course enables personnel to understand the regulatory requirements of RCRA and the Hazardous Materials Transportation Act (HMTA) as it applies to the generation, transportation and disposal of hazardous waste and provides DOT certification.

Hazardous Waste Manifesting 16-Hour DOT Recertification Course (CCN 429) — The refresher course is intended to provide recertification training on DOT requirements to fulfill the training requirements of 49 CFR 172, Subpart H for security and general awareness/familiarization training.

Radioactive Waste Transport (CCN 441) — This workshop is designed to instruct the student on the Department of Transportation (DOT) requirements pertaining specifically to radioactive wastes, in particular, remediation wastes from radioactive sites such as FUSRAP sites, EPA Superfund sites and military installations.

#### Restoration/Cleanup Courses

Environmental Sampling (CCN 225) — This course provides students with techniques for sampling environmental media and hazardous wastes in the investigative, design, remedial action, and operation and maintenance phases.

Hazardous, Toxic and Radioactive Waste Construction Inspection (CCN 141) — This course is for working level and management personnel having responsibilities in USACE Superfund, DERP, and other Hazardous, Toxic and Radioactive Waste (HTRW) programs.

Environmental Remediation Technologies (CCN 395) — This course provides a workable understanding of various remediation technologies.

QRP/Ordnance and Explosives Recognition and Safety (CCN 444) — This course is designed for recycling personnel responsible for management of the qualified recycling program.

### **Center of Expertise Workshops**

The CX teaches a variety of workshops. They are available at a nominal cost and can be taught on-site or possibly via the Internet by subject matter experts. The level of detail can be easily tailored and topics can be combined to meet specific needs. The costs for presenting these topics depend on the class location, course length and number of instructors. Please contact the appropriate CX training POC to discuss workshop content, cost and schedule.

#### **Site Characterization:** POC: 402-697-2668

- Air Photo Analysis
- Analytical Strategies
- Aquifer Testing
- Contaminant Behavior
- Decontamination Procedures
- Diffusion Bag Sampling
- Environmental Geophysics

#### **Environmental Monitoring/Chemical Data Quality Management:** POC: 402-697-2563

- New Chemist Orientation
- Environmental Laboratory Data Review
- Environmental Laboratory Assessment

- Environmental Laboratory Electronic Data Management
- Field Measurement Technologies
- Statistics — Applications for Environmental Monitoring
- Triad

#### **Remediation Techniques:**

POC: 402-697-2668

- Alternative Cover Systems
- Collection Trenches
- Excavation and Disposal
- Gas Treatment
- Geosynthetics
- Ground Water Extraction
- Ground Water Treatment
- Soil Vapor Extraction
- Landfarming
- Landfill Liner and Cover Systems

#### **Performance and Optimization Reviews:** POC: 402-697-2668

- CERCLA Five-Year Review
- Long-Term Monitoring Program Optimization
- Remediation System Evaluation (RSE)
- Pump and Treat Subsurface Performance Optimization

#### **Health, Safety and Risk Assessment:** POC: 402-697-2563

- Introduction to Health Physics
- Radiation Safety Officer
- Radiation Worker

- Introduction to Risk Assessment (Human Health and Ecological Risk)
- 8-hour Refresher - HAZWOPER for Cleanup Operations

**Unexploded Ordnance Recognition and Safety:** POC: 256-895-1586

- Basic identification of military munitions
- General safety precautions and procedures

**Military Munitions Response Program Process Mentoring:** POC: 256-895-1334

- Discussion of CERCLA Response phases
- Discussion of response technologies and field activities

**Military Munitions Response Program (MMRP) Overview Web-based Training Module and the Munitions Response Site Prioritization Protocol (MRSPP) Web-based Training Module:**  
POC: 256-895-1334

- These courses are offered by the Defense Ammunition Center. To register, go to [https://ammoschool.sumtotalsystems.com/asp/lang-en/AAC\\_welcome.asp](https://ammoschool.sumtotalsystems.com/asp/lang-en/AAC_welcome.asp)

**Cost Engineering:** POC: 402-697-2426

- Cost-to-Complete for FUDS/Army IRP work
- Remedial Action Cost Engineering and Requirements (RACER<sup>®</sup>)

**Environmental Regulations & Record Keeping:** POC: 402-697-2562

- Radioactive Waste Transportation
- Air Transport of Dangerous Goods
- Administrative Record/Permanent Project File
- CERCLA Process
- RCRA Process
- Update of Regulatory Requirements

**Programmatic:** POC: 402-697-2610

- FUDS Program Policy, ER 200-3-1

A comprehensive list of CX training courses and workshops can be found at [http://www.environmental.usace.army.mil/avail\\_train.htm](http://www.environmental.usace.army.mil/avail_train.htm).



Courtesy photo

A technician conducts a geophysical survey at a formerly used defense site.