



Environmental and Munitions Center of Expertise

Available Training

EM CX Training Coordinator: 402-697-2556

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

The U.S. Army Engineering and Support Center, Huntsville's Environmental and Munitions Center of Expertise (EM CX) offers many different environmental training opportunities within the Proponent Sponsored Engineers Corps Training (PROSPECT) program as well as other non-PROSPECT courses and workshops. These training courses are open to all federal agencies as well as their contractors.

Environmental Related PROSPECT Courses

The complete list of PROSPECT courses can be found at <http://ulc.usace.army.mil/>. You may also register and pay for a PROSPECT course at the above web site.

- **Environmental Regulations Practical Application Course (Course Control Number (CCN) 398)**— This is an excellent course for those personnel involved in regulatory compliance issues. Topics covered in this 36-hour course include hazardous waste RCRA waste classification and disposal, CAA, CWA storm and wastewater discharges, TSCA requirements for management and disposal of PCBs, lead-based paint issues, asbestos, USTs, pesticide management, EPCRA, spill response, EMS, solid waste management, pollution prevention, and drinking water standards.
- **The CERCLA/RCRA Remediation Process (CCN 356)** - This 24-hour course trains personnel involved with the cleanup of hazardous and toxic waste on military and civil works projects in the proper application of CERCLA, RCRA and other relevant environmental laws, regulations, and policies. This course is ISEERB approved.
- **Hazardous Waste Manifesting & DOT Certification Course (CCN 223)** – This 36-hour 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. Topics include RCRA waste classification, land disposal restrictions, generator requirements, manifesting requirements, and DOT requirements such as proper shipping names, packaging, labeling, marking, and placarding. Course provides documentation necessary for employee to become certified as per 49 CFR subpart H and DoD 4500.9-R, chapter 204. Course is ISEERB approved.
- **Hazardous Waste Manifesting 16-Hour DOT Recertification Course (CCN 429)** – The 16-hour manifesting refresher course is intended to provide refresher training on DOT requirements to fulfill the recurrent training requirements of 49 CFR 172, Subpart H for general awareness/familiarization training. Course provides documentation necessary for employee to be recertified as per 49 CFR subpart H and DoD 4500.9-R, chapter 204. Course is ISEERB approved. In addition, a 4-hour module specific to Class 7, radioactive waste, recertification is available.
- **Radioactive Waste Transportation Course (CCN 441)** - This 24-hour 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. This workshop is focused on the DOT regulations associated with Class 7 and Class 9 radionuclides which includes ongoing DOT/NRC rulemaking for harmonization with international transportation regulations. Course contents include, but are not limited to, determining if the material meets a Class 7 or Class 9 hazard class, DOT subtyping (Excepted, Type A, Type B, HRCQ, LSA, SCO, etc.), determining the proper shipping names, markings, labeling, and packaging, determining the correct shipping paper requirements, and security awareness training. There is minor discussion on the Nuclear Regulatory Commission (NRC) regulations as they relate to transportation.

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- **Hazardous/Toxic and Radioactive Waste Construction Inspection Course (CCN 141)** - This 24-hour course is for working level and management personnel having responsibilities in USACE Superfund, DERP, and other Hazardous, Toxic, and Radioactive Waste programs. It provides a comprehensive overview of responsibilities and acceptable work practices for Quality Assurance Representatives (QAR) and supervisors on HTRW construction sites.
- **Environmental Remediation Technologies Course (CCN 395)** –This 36-hour course provides the student with a workable understanding of various in-situ remediation and containment technologies. The course emphasizes the awareness and use of available guidance from the USACE, EPA, Air Force, ASTM, and other sources.
- **Environmental Laws & Regulations Course (CCN 170)** - This is a general course designed for non-attorneys or for attorneys with limited background in environmental law. Topics include federal laws and regulations for environmental protection; pollution standards and variances; congressional and judicial developments; economic and technical difficulties in meeting standards; and the relation of the Corps of Engineers to state and federal agencies in meeting standards and enforcing laws.

Other Available Environmental Training Courses

The EM CX teaches a variety of other courses and workshops in the environmental and munitions field.

- **OSHA Refresher Training** - The 8-hour refresher course fulfills the requirements of OSHA 29 CFR 1910.120 for refresher training for workers at hazardous waste sites. This course is designed for workers who are onsite and may be exposed to hazardous substances or health hazards.
- **The Complete RCRA Course** - This 24-hour course covers the full lifecycle of RCRA hazardous waste requirements, including waste classification; waste generation; land disposal restrictions; treatment, storage, and disposal of RCRA wastes; and RCRA corrective action.
- **Military Munitions Response Program Course (MMRP) 101** - This 24-hour course discusses the basic procedural and technical requirements used to investigate, characterize and remediate munitions and explosives of concern within the framework of the CERCLA process. Topics include regulatory considerations; basic geophysics tools and processes; munitions constituents sampling, ordnance descriptions, uses and functioning; remedial investigation and feasibility study execution; munitions response site prioritization protocol (MRSPP); basic safety considerations and personnel qualifications; handling of munitions potentially presenting an explosive hazard; construction support considerations; and public involvement requirements and strategies.
- **Military Munitions Response Program Course (MMRP) 201** -This 24-hour course discusses the advanced procedural and technical requirements used to investigate, characterize and remediate munitions and explosives of concern within the framework of the CERCLA process. It utilizes instructor led practical exercises, case studies and lessons learned to equip students with the knowledge to develop and critically review project documents from planning documents (UFP- QAPP Worksheets) through Decision Documents. The course also provides more in-depth instruction on the application of statistical and geophysical tools, including Munitions Advanced Classification.
- **EPCRA Standardization-Garrison Reporting Course** – This 24-hour course provides instruction on the annual reporting requirements of the Emergency Planning and Community Right-to-Know Act (EPCRA). This course includes discussion on EPCRA Sections 302/303, 304, 311/312, and 313 as well as several sections of the law establishing different reporting threshold calculations and annual reporting requirements.

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- EPCRA Section 311/312 Refresher Course – This course is a 3-hours webinar. The course is offered annually in January to assist EPCRA personnel in meeting the 1 March reporting deadline.

In addition, the following Formerly Used Defense Site (FUDS) training courses are available and can be tailored to meet other agency needs as requested:

- FUDS Program & Policy, 24 hours, Onsite
- Effective Communication for the FUDS Program, 24 hours, Onsite
- Five Year Review - Execution, 16 hours, Onsite
- RACER & FUDS EL/CTC Process, 16 hours, Onsite
- Munitions Constituents (MC) Planning to Reporting - Execution, 24 hours, Onsite
- Explosive Safety for OE Safety Specialists, 16 hours, Onsite
- FUDS MMRP - Getting to the Remedy, 24 hours, Onsite
- Administrative Record, 2 hours, Net Training
- Decision Documents and 5 Year Review - Overview, 3 hours, Net Training
- FUDSMIS: A Programmatic Perspective, 2 hours, Net Training
- FUDSMIS and P2, 2 hours, Net Training
- Relative Risk Site Evaluation, 2 hours, Net Training
- FUDS Records Management Database, 2 hours, Net Training
- FUDS Record Management Database Categories, 2 hours, Net Training
- Common Operations Reports, 1 hour, Net Training
- FUDS ROE Requirements and Procedures, 2 hours, Net Training
- Remedy Selection for Restricted Land Use with Possible LUCs, 2 hours, Net Training
- Finding ARARs, 2 hours, Net Training
- CERCLA Human Health Risk Assessment, 2 hours, Net Training
- CERCLA Ecological Risk Assessment, 2 hours, Net Training
- The Data Quality Objectives (DQO) Process, 3.5 hours, Net Training
- Innovative Technologies Application, 3 hours, Net Training
- Chemical Data Quality Management, 1.5 hours, Net Training
- Project-Specific Chemical Data Quality Management, 3 hours, Net Training
- FUDS Project Identification, 2 hours, Net Training
- Technical Impracticability Waivers, 2 hours, Net Training
- RACER Refresh, 4.5 hours, Net Training
- Restoration Advisory Board, 2 hours, Net Training
- DSMOA for FUDS Project Managers, 2 hours, Net Training
- Optimization Approaches for HTRW Projects at FUDS, 2 hours, Net Training
- Environmental Liability (EL)/Cost to Complete (CTC) Training, 2 hours, Net Training
- Vapor Intrusion, 2 hours, Net Training
- Occupational Health and Safety Planning and Implementation Requirements for Cleanup Projects (HTRW and MMRP), 1 hour, Net Training
- FUDS Forum Portal, 1 hour, Net Training
- Munitions and Explosives of Concern Hazard Assessment (MEC HA), 2 hours, Net Training
- Geophysics Overview, 4 hours, Net Training
- Explosive Safety for Project Teams, 2 hours, Net Training

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- MMRP Workplan Including UFP-QAPP, 2 hours, Net Training
- HTRW/MMRP Removal Actions, 2 hours, Net Training
- FUDS Public Participation Requirements, 2 hours, Net Training
- MRSPP Process Overview Including Delineation, 5 hours, Net Training
- FUDS Technical Project Planning, 2 hours, Net Training
- Introduction to Munitions Constituents, 3 hours, Net Training
- Green and Sustainable Remediation (GSR) Introduction to Consideration and Incorporation of GSR into USACE Environmental Remediation, 4 hours, Net Training
- Munitions Classification for Project Managers, 2 hours, Net Training
- Interim Risk Management at FUDS, 2 hours, Net Training
- RCRA Subpart X Relevance to MMRP Projects, 2 hours, Net Training
- FUDSCHEM for PMs, 2 hours, Net Training
- FUDSCHEM for Chemist's, 2 hours, Net Training
- Munitions Constituents Update, 2 hours, Net Training

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