

N74 ENVIRONMENTAL DIVISION COURSES

ADVANCED ENVIRONMENTAL LAW

CIN: A-4A-0068; CDP: 3355

COURSE DESCRIPTION: This course explores law, policy, and management of environmental projections. Each year various topics of timely interest are explored in depth. For FY13/14, two versions are offered: STRATEGIC ENVIRONMENTAL PLANNING and ENVIRONMENTAL LEGAL COMPLIANCE UPDATES AND EMERGING TOPICS.

STRATEGIC ENVIRONMENTAL PLANNING: This version could be described as a NEPA implementation and environmental impact analysis seminar. This 4 day course is broken into a 2 day seminar that features law and policy plus a 2 day advanced environmental impact analysis workshop. NEPA topics explored include planning for the proposed action, selecting alternatives, cumulative impacts analysis and accepted methodologies, programmatic studies, greenhouse gas and climate change analysis, planning for operational training areas, addressing scientific uncertainty, public participation and other emergent planning topics such as adaptive management.

PREREQUISITES/AUDIENCE: Target audience is experienced NEPA planners, managers environmental engineers/scientists/specialists, and attorneys who require in depth understanding of law, policy, and management within their areas of environmental expertise, especially those who serve on NEPA interdisciplinary teams, work with NEPA planners, or those who edit or deal with NEPA documents. Course is open to all DoD services, US Coast Guard, and Defense Logistics Agency personnel on a seat-available basis.

ENVIRONMENTAL LEGAL COMPLIANCE UPDATES AND EMERGING TOPICS: This version expands upon the Basic Environmental Law topics and provides updates and in-depth sessions on special topics of timely interest in the areas of environmental compliance, planning, sustainability, encroachment, natural resources, energy and restoration. This course includes advanced environmental law and policy presentations that provide DoD environmental professionals with important new information and the chance to interact with senior environmental professionals. The course is planned for four days in length including one day on endangered species act issues.

PREREQUISITES/AUDIENCE: The target audience is experienced environmental professionals, managers, engineers, scientists, attorneys who require additional understanding of law and policy or more knowledge about current topics affecting DOD environmental compliance and planning. Course is open to all Department of Defense Services, Agencies and United States Coast Guard personnel on a seat-available basis. CECOS Basic Environmental Law or equivalent knowledge is needed to obtain maximum benefit from this course.

OCEAN & COASTAL RESOURCES (NOT OFFERED IN FY13/14): This version reviews the requirements of the NEPA and EO 12114; consultation and permitting under the Endangered Species Act and Marine Mammals Protection Act; managing actions in the Coastal Zone under the coastal Zone Management Act; and joint use issues under the National Marine Sanctuary Act, Sikes Act, Magnuson-Stevens Act, and Migratory Bird Treaty Act. It is an interactive class. In addition to presentations with opportunity for questions, answers, and comments, there will be a mock coastal zone consistency determination hearing and an opportunity for each student to make a 5-10 minute presentation on projects they are working on relating to the class subjects.

PREREQUISITES/AUDIENCE: The target audience is experienced environmental planners, managers, and environmental engineers/scientists/specialists, attorneys and specialists who require an in depth understanding of law, policy, and management within their area of environmental expertise, especially those who deal with natural resources or ocean or coastal zone impacts, and to all DoD services, US Coast Guard, and Defense Logistics Agency personnel on a seat available basis.

N74 ENVIRONMENTAL DIVISION COURSES

ADVANCED ENVIRONMENTAL MANAGEMENT

CIN: A-4A-0063; CDP: 594Z

COURSE DESCRIPTION: This course is designed to prepare civilian and military environmental professionals to efficiently and effectively manage environmental programs at Department of the Navy activities and installations. Specific information will be provided on legal requirements, technical, and policy aspects of environmental management.

This course covers all management aspects of EPA requirements as apply to Navy/Marine Corps including the following topics: NEPA, Clean Air Act, RCRA(Resources Conservation & Recovery Act), Clean Water Act/Safe Drinking Water Act, Installation Restoration, Emerging Issues, CNO Perspectives, Environmental Management Systems, EPCRA (Emergency Planning & Community Right to Know Act), Environmental Contracts, and SPCC/SPC Plans.

PREREQUISITES/AUDIENCE: This course is intended for military (O-1 and above, E-7 and above) and civilian (GS-11 and above) personnel responsible for managing environmental programs at Navy and Marine Corps shore activities. Enrollment is limited to those occupying full-time environmental billets.

ADVANCED HISTORIC PRESERVATION LAW & SECTION 106 COMPLIANCE

CIN: A-4A-0073; CDP: 335C

COURSE DESCRIPTION: This course is designed to instruct Navy personnel to meet responsibilities under laws, regulations, and directives that govern stewardship of historic and other cultural resources, and to appropriately initiate and conclude consultations required under Section 106 of the National Historic Preservation Act. Upon successful completion of the course, students will be able to properly conduct Section 106 consultations with their State Historic Preservation Office (SHPO) and the Advisory Council on Historic Preservation (ACHP), and to draft properly coordinated memoranda of agreement and programmatic agreements, to support Navy mission requirements.

The course covers communication with related oversight agencies (e.g. State Historic Preservation Officer (SHPO) and the Advisory Council on Historic Preservation); Standards for Rehabilitation; use of historic properties; defining Historic Fabric; maintenance and repair of historic buildings; archeological resources; Force Protection; LEEDS; and Native American issues. Planning, programming, and budget information are also addressed. This 3 day course includes a short tour of historic properties that may require short walks.

PREREQUISITES/AUDIENCE: Target Audience includes DOD regional or activity personnel assigned to cultural resource duties to achieve and maintain compliance with the National Historic Preservation Act (NHPA) and other related cultural resource regulations. It is recommended that this course be taken after taking the Introduction to Cultural Resource Management Laws & Regulations course. Additionally, this training is recommended for design, operational and facility planners, and/or project managers service dependent terminology), housing PPV counterparts as well as BRAC team members. Students should have some background/knowledge of the NHPA and NEPA compliance prior to attending. The student will learn how to deal with cultural resources, and about the maintenance and restoration of historic properties, archaeological site protection, and consultation with Native Americans.

N74 ENVIRONMENTAL DIVISION COURSES

ADVANCED MUNITIONS RESPONSE SITE MANAGEMENT

COURSE DESCRIPTION: Munitions and explosives of concern (MEC) and munitions constituents (MC) are known or suspected to exist on hundreds of thousands of acres of Navy and Marine Corps property once used to train Sailors or Marines or to manufacture, store, handle, develop and test, transship, or treat munitions. These sites may now be other-than-operational ranges, Base Realignment and Closure (BRAC) property, or even acreage put to another use such as a housing area. The Munitions Response Program, established to clean up this MEC and MC, is being implemented under the Defense Environmental Restoration Program. It is following the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) response process as described in the National Contingency Plan. The majority of Munitions Response Sites (MRSs) are now entering into the CERCLA remedial investigation/feasibility study (RI/FS) phase.

A 2½-day CECOS Advanced Munitions Response Site Management Workshop is being developed to instruct Remedial Project Managers (RPMs) and other attendees primarily on the RI/FS phase. In executing the RI/FS, RPMs will need a thorough understanding of how to determine the nature and extent of MEC and MC contamination at an MRS and if sampling and hazard/risk assessment is sufficient to justify it, evaluate proposed remedies. This course will build upon the existing CECOS Munitions Response Site Management Workshop and is comprised of classroom instruction as well as practical exercises on the RI/FS phase.

Topics include: A brief review of MEC basics, the CERCLA process and roles and responsibilities; Policies relevant to a MR RI/FS; Management of an RI/FS including scoping, project quality objectives, workplans, and explosive safety submissions; The terrestrial RI conceptual site model, anomaly detection technologies, investigation considerations, technology selection, and data collection; the terrestrial FS, MEC Hazard Assessment, development, screening and evaluation of response options; the underwater RI conceptual site model, detection technologies, investigation considerations, technology selection, and data collection; the underwater FS, development, screening and evaluation of response options; the RI/FS report; and Case studies.

PREREQUISITES/AUDIENCE: Target Audience: Personnel who plan, scope, or oversee response actions at an MRS contaminated with MEC and MC. This includes RPMs, Remedial Technical Managers (RTMs), BRAC Environmental Coordinators (BECs), and Engineers in Charge (EICs). The course curriculum is designed for personnel who have at least six months experience and who have previously attended the CECOS Munitions Response Site Management Workshop.

ADVANCING AN EFFECTIVE ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)

CIN: A-4A-0098; **CDP:** 10MT

COURSE DESCRIPTION: Provides training for the systematic enhancement of an installation's environmental management system. The class will be offered as a Web Conference and, in addition to instruction, will allow for open forum discussion for members from EMS appropriate facilities to share ideas and success stories. Note that this is not a beginners course on how to implement the program. The focus is on taking your existing EMS program and enhancing it in alignment with E. O. 13423.

PREREQUISITES/AUDIENCE: Navy civilians, contractors, and military personnel who are involved in the implementation of an EMS and are now tasked with ensuring their program continues to succeed. This course is not limited to only the environmental professional, but is for all individuals who are actively engaged in the EMS process.

N74 ENVIRONMENTAL DIVISION COURSES

BASIC ENVIRONMENTAL LAW

CIN: A-4A-0058; CDP: 379C

COURSE DESCRIPTION: This course is an ISEERB approved course that provides DoD personnel with a general survey of federal environmental statutes and their implementing regulations. Environmental compliance theory and policy are also covered.

The course mission is to support compliance with all the applicable laws, promote stewardship for our natural resources, and instill an environmental ethic within the DoD workforce. As applicable, environmental responsibilities unique to ISEERB components are also covered. Senior DoD environmental attorneys teach this course.

The course includes these topics:

- Federal System of Law and Government
- Common Law theories for environmental contamination
- Sovereign Immunity and related legal theory
- Environmental Planning (NEPA,CZMA)
- Natural Resources Protection (Endangered Species Act, Marine Mammal Protection Act, Sikes Act, Migratory Bird Treaty Act, and Wetlands Protection)
- Management of Hazardous Waste (RCRA)
- Environmental Restoration (CERCLA)
- Clean Water (Clean Water Act, Safe Drinking Water Act, Marine Protection Act)
- Control of Toxic Substances (Lead, Radon, Asbestos, PCB's, EPCRA)
- Planning for and Responding to Spills and Releases (Oil Pollution Act, National Contingency Plan)
- Environmental Enforcement and Crimes
- Cultural resources protection (Natural Historic Preservation Act (NHPA)
- Archeological & Historic Preservation Act (AHPA)
- Native American Graves Protection & Repatriation Act (NAGPRA)
- American Indian Religious Freedom Act (AIRFA)

PREREQUISITES/AUDIENCE: Recommended course attendees include all military and civilian DoD and US Coast Guard personnel with environmental responsibilities; facility planners, judge advocate general and attorneys who need a survey of environmental law, public affairs personnel, Commanding Officers and their staff members with environmental duties.

BUYING GREEN

DLA ID: DCPSO00R750

COURSE DESCRIPTION: This 2-day workshop provides an overview of federal pollution prevention initiatives and how they relate to the DoD acquisition process and fulfills the requirements of E.O. 13415. The workshop demonstrates to federal employees how, through affirmative procurement, we can create markets for recovered materials and environmentally preferred products and services. The workshop includes a forum to share ideas and success stories.

Highlights include Pollution Prevention (P2) hierarchy; P2 Executive Orders/regulation; Affirmative Procurement Program; environmentally preferred products; life cycle costing/acquisition planning; Federal Acquisition Regulation (FAR) requirements,EPA eco purchasing; comprehensive procurement guidelines for products containing recovered materials (40 CFR 247); and bridging the communication gap between acquisition and environmental staffs.

PREREQUISITES/AUDIENCE: Target audience is employees of the DoD and other federal employees in procurement, project planning, or credit card holder community. This includes employees responsible for the purchasing or writing specifications to purchase items that can be made with recovered materials, hazardous or toxic materials, ozone depleting substances, energy efficient components or items that use alternative fuels. This is a DLA course facilitated by CECOS Environmental Training Staff.

N74 ENVIRONMENTAL DIVISION COURSES

DoD PESTICIDE APPLICATOR RECERTIFICATION COURSE

COURSE DESCRIPTION: This course is designed to recertify DoD pest control personnel who apply pesticides in accordance with the DoD Plan for the Certification of Pesticide Applicators, DoD 4150.07-M, Volume 1 and as refresher training for Pest Management Performance Assessment Representatives (PARs), Quality Assurance Evaluators (QAEs), and Integrated Pest Management Coordinators (IPMCs).

Successful course completion is a pre-requisite to DoD recertification by respective service Pest Management Professionals. Depending upon job classification, personnel will be trained in either all, or a portion of, the following DoD categories of pest control:

- Forest Pest Control (Category 2)
- Ornamental & Turf Pest Control (Category 3)
- Aquatic Pest Control (Category 5)
- Right-of-Way Pest Control (Category 6)
- Industrial, Institutional, Structural, & Health-Related Pest Control (Category 7)
- Public Health Pest Control (Category 8)

PREREQUISITES/AUDIENCE: This course is open to DoD, Dept. of the Interior, Veterans Administration, Coast Guard, & GSA military and civilian personnel. Individuals desiring enrollment should have successfully completed an Armed Forces Pest Management Board approved pesticide applicator certification training course or an initial Pest Management PAR/QAE/IPMC class. Recertification should be accomplished by the last day of the month in which the original certification expires. Individuals whose certification has expired will not be eligible for training unless an exception is made by the appropriate Pest Management Professional. If attending this course for pesticide applicator recertification, students must bring their current DoD Pesticide Applicator Certification Card (DD Form 1826-1) to class and proof of certification extension (if applicable), a calculator, and writing utensils.

DoD INITIAL PEST MANAGEMENT PAR/QUE & IPM COORDINATOR COURSE

COURSE DESCRIPTION: The Pest Management Performance Assessment Representative/Quality Assurance Evaluator & Integrated Pest Management Coordinator Course is open to all DoD employees, but is hosted and taught primarily by Naval Facilities Engineering Command (NAVFAC). Course topics related to regulations (other than DoD regulations), contracts, and records/reports will be geared specifically toward Navy and Marine Corps, but other topics about specific pests, pest control, and pesticides will be applicable to all DoD employees. The first 4 days of this course prepares the student to effectively perform the duties of a Pest Management Performance Assessment Representative (PAR), also known as Quality Assurance Evaluator (QAE). The training includes lectures and workshops on pesticide compliance, pesticide technology, integrated pest management, and contract oversight. Installation operations that may include the use of pesticides and require a Pest Management PAR/QAE include grounds maintenance, turf management, fence line weed control, ornamental plantings management, general pest control, wood preservation, aquatic weed management, invasive species control, and forest pest suppression. A simultaneous Integrated Pest Management Coordinator (IPMC) Course is conducted, which requires an additional half-day of training for installation IPMCs and employees who have responsibilities related to the installation Integrated Pest Management Plan.

PREREQUISITES/AUDIENCE: Performance Assessment Representatives (Quality Assurance Evaluators), Integrated Pest Management Coordinators, Environmental and Natural Resources personnel, contract administrators and writers, or other personnel who are involved with, or provide oversight of, pesticide operations or who inspect, or will inspect, contracts where pesticides are applied.

N74 ENVIRONMENTAL DIVISION COURSES

ECOLOGICAL RISK ASSESSMENT

CIN: A-4A-0081; CDP: 335V

COURSE DESCRIPTION: This course provides attendees with information on Ecological Risk Assessment (ERA) and its use in the IR program. Instruction includes discussion on ERA components, how the risk manager and risk assessor decide what is needed for a site-specific ERA, technical oversight that should be included in the ERA, how the tasks of the ERA should be performed, how to estimate risk based on the results of the ERA, and how the ERA fits within required regulatory processes such as RI/FS (CERCLA) and RFI/CMS (RCRA).

The 3-day course was developed in coordination with the Tri-Service ERA Group and is approved by the Interservice Environmental Education Review Board (ISEERB).

PREREQUISITES/AUDIENCE: This course is designed for individuals who plan, scope, or review ecological risk assessments or use findings or conclusions from ecological risks assessments in decision making. This includes Remedial Project Managers (RPMs), Remedial Technical Managers (RTMs), BRAC Environmental Coordinators (BECs), and Engineers in Charge (EICs). The course curriculum is designed primarily for those who have at least six months of environmental restoration experience or have attended an introductory environmental restoration course.

ENVIRONMENTAL BACKGROUND ANALYSIS

CIN: A-4A-0092; CDP: 645H

COURSE DESCRIPTION: Background analysis is aimed at technically differentiating between site-related releases and background conditions. Such analyses can enhance the efficiency of response actions by focusing risk assessments and remediation on site-related releases. This 2 day course is intended to familiarize the attendees with environmental background analytical procedures, issues, and challenges; and follows the Navy Interim Final Policy on the Use of Background Chemical Levels. Course content includes basic definitions and methodologies associated with background analyses, regulatory requirements, negotiation issues, and case studies.

PREREQUISITES/AUDIENCE: Eligible personnel include Installation Restoration Program RMPs, BRAC Environmental Coordinators, UST EIC's and Navy personnel responsible for Navy Hazardous Waste sites.

ENVIRONMENTAL GEOGRAPHIC INFORMATION SYSTEMS (GIS)

CIN: A-4A-0084; CDP: 3364

COURSE DESCRIPTION: GIS is a tool that can increase program efficiency and cost effectiveness; improve the ability to manage, analyze, and display data from a site and provide a link to historical data; and improve the decision making and data transfer processes, reduce review time, and improve the quality of deliverables such that conclusions can be better defended.

This 4 day course is designed to instruct Navy civilian and military personnel assigned duties as environmental remedial project managers (RPMs) to develop and implement an up-to-date environmental data management system incorporating GIS. Specifically designed environmental case studies highlight GIS's cost-effectiveness in data management, transfer, and decision-making.

Attendees will learn the Arc GIS 9.2 computer software program through hands-on computer-based exercises. GIS software can also be used to perform a geostatistical analysis of environmental data. Geostatistics is a tool that determines the spatial correlation within an observed sample data set and then uses the correlation to better estimate values at nearby locations where data has not been collected. Attendees will be taught how to use the ArcGIS software to take advantage of spatial correlation of data to develop more effective and cost efficient site sampling plans and to better characterize site risk assessments. This is a computer-based training course. Attendees must be comfortable operating complex software applications and are required to possess an advanced understanding of Microsoft Windows operating systems.

PREREQUISITES/AUDIENCE: The target audience for this course is Installation Restoration Program personnel who collect or oversee the collection and analysis of environmental samples from uncontrolled hazardous waste sites.

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ENVIRONMENTAL NEGOTIATION WORKSHOP

CIN: A-4A-0067; CDP: 3354

COURSE DESCRIPTION: This 3 day ISEERB approved course provides instruction on the negotiation and communication skills necessary to achieve productive agreements with regulatory and public stakeholders. The class aims to make attendees more knowledgeable and comfortable in the negotiation process in order to have confidence in a negotiation. It stresses the human, organizational and public aspects of building constructive relationships with stakeholders and installation management. Case studies and role playing provide an opportunity for every student to apply the information presented in class.

PREREQUISITES/AUDIENCE: This course is designed for military and civilian personnel in environmental compliance, installation restoration, natural resources, and planning who are responsible for communicating and negotiating with environmental regulators or with the public regarding environmental matters. Environmental management personnel are strongly encouraged to take this course.

ENVIRONMENTAL PROTECTION

CIN: A-4A-0036; CDP: 9554

COURSE DESCRIPTION: This basic course is designed to provide civilian and military personnel with the fundamentals of the Navy's programs for environmental protection at Navy and Marine Corps shore activities. This 4-day course is geared toward the novice but also provides an excellent overview of the Navy's integrated environmental programs. Attendance is useful not only to personnel working in environmental protection, compliance, and natural resources programs, but to those who interface with the environmental staff such as Public Affairs, Safety, Facility Planning, Public Works, Acquisition, Budget, ROICC, and Management staff. OCONUS offerings are tailored to address host nation Final Governing Standards (FGS).

This course contains the following topics:

- Legal/Liability Issues/Environmental Funding
- Pollution Prevention
- Spill Control & Contingency Planning
- Hazardous Waste Management
- Above Ground/Underground Storage Tanks
- Groundwater Contamination/Remediation
- Hazardous Material Control
- Solid Waste Recycling
- NEPA and Environmental Documentation
- Environmental Quality Assessments
- Air Pollution/ODS
- Installation Restoration
- Natural & Cultural Resources
- Drinking Water & Waste Water
- Environmental Management Systems

PREREQUISITES/AUDIENCE: Active Duty military (E-6 and above) and civilian employees (GS-7/WS-9 and above) who conduct a variety of environmental tasks as part of their job duties whether primary or collateral.

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ENVIRONMENTAL QUALITY SAMPLING

CIN: A-4A-0026; CDP: 4749

COURSE DESCRIPTION: This ISEERB Approved course is designed to satisfy the training requirements for Navy environmental samplers specified in Chapter 29 (paragraph 5.6) OPNAVINST 5090.1C by providing training in: Basic sampling techniques (sampling strategies, grab/composite sampling, avoidance of cross contamination, use of preservatives, etc.); Specific sampling techniques for the following media: soil, potable water, waste water (including storm water), ground water, and hazardous waste; Completion of environmental sampling paperwork, e.g. Quality Assurance Project Plans/Sampling & Analysis Plans, sample container labeling, field log books, chain of custody documentation); Health and safety considerations; Ethics; Field testing techniques (i.e. use of pH meter, conductivity/total dissolved solids meter, temperature indicator and dissolved oxygen meter).

Much of the course time is devoted to hands-on field exercises. The proper use of various types of sampling equipment is demonstrated in the classroom. Then students are given the opportunity to practice using equipment in the field simulating on-the-job conditions.

PREREQUISITES/AUDIENCE: Military, civilian, or contractor personnel who collect or oversee the collection of environmental samples (contractors must have a military or civilian sponsor) for the Department of Defense (all services) /Coast Guard.

ENVIRONMENTAL SAMPLING DESIGN & DATA QUALITY ASSURANCE

AIR FORCE: ENV441

COURSE DESCRIPTION: This 4.5 day course stresses the connection between the DQO process and the management of quality assurance. DQO refers to a seven-step planning process developed by EPA to ensure that the type, quantity, and quality of environmental data used in decision making are appropriate for the intended application. Although the DQO process was developed as part of the Superfund remediation effort, the process can be applied to emergency response and industrial hygiene scenarios. This course introduces the student to the DQO process, reviews statistical concepts such as hypothesis testing, describes sampling strategies and, through the use of case studies and computer-based exercises, allows the student to apply the process to site remediation, emergency response, and industrial hygiene situations.

Managing environmental quality assurance describes how to develop, implement, and manage an environmental QA/QC program for field and laboratory sampling and testing. This part of the curriculum consists of classroom lectures and group exercises. Attention is given to updating students to new laws, policies, and laboratory practices that impact the development and implementation of a Quality Assurance Project Plan (QAPP). Laboratory issues are given more attention than field issues. The management of a QA/QC program is given more attention than the analytical chemistry and statistics that are used to implement a QA/QC program.

This course is approved by the Interservice Environmental Education Review Board (ISEERB), the Naval Civil Engineering Corps Officers School (CECOS), the US Air Force School of Aerospace Medicine (USAFSAM), and it is accredited by the American Board of Industrial Hygienists (4.5 CEUs).

Training objectives include: Summarize project planning, implementation and assessment requirements for environmental cleanup site activities using the reference materials provided in the course; Identify project design management practices for environmental cleanup sites using reference materials and checklists provided. The reference materials and checklists are from EPA and DoD program documents; Identify project implementation management practices for environmental cleanup sites using the reference materials provided; Identify procedures to acquire technically and legally defensible data using practices to environmental clean-up projects.

PREREQUISITES/AUDIENCE: Primary target audiences are Installation Restoration program personnel who collect or oversee the collection and analysis of environmental samples from uncontrolled hazardous waste sites. Others who should take the course include Quality Assurance Personnel, Environmental Scientists, Environmental Contract Officers Technical Representatives (COTR), On-Scene Coordinators, Site Assessment Managers, Resource Conservation Recover Act (RCRA) Facility Managers, Quality Assurance Project Plan (QAPP) Preparers/ Reviewers, Environmental Project Team Members, other personnel who plan, scope, review, and implement and assess site cleanup projects.

N74 ENVIRONMENTAL DIVISION COURSES

EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW ACT (EPCRA) AND TOXIC RELEASE INVENTORY (TRI) REPORTING (Web Conference)

CIN: A-4A-0082; CDP: 3361

COURSE DESCRIPTION: This 4-day course emphasizes emergency planning, emergency release notification, MSDS reporting requirements, Tier I and II reporting requirements, toxic chemical release reporting and information required for EPCRA compliance. Course content includes introduction to EPCRA and history, emergency planning, data needs for EPCRA compliance, emergency release notification, forms reporting, hazardous chemical MSDS/inventory reporting, and munitions reporting /TRI/DDS.

Section 311/312/313 Refreshers are designed for the student to discuss site-specific questions. Confirmed registrants will be asked to provide input 1 week prior to class convening.

PREREQUISITES/AUDIENCE: Course is intended for military active duty or DoD civilian/contractor employees tasked with EPCRA compliance, tracking, or TRI reporting responsibilities.

HAZARDOUS WASTE FACILITY OPERATORS

CIN: A-493-0076; CDP: 2297

COURSE DESCRIPTION: This course provides legally mandated training to Navy military and civilian personnel who are responsible for the operation of permitted hazardous waste facilities and less than 90 day hazardous waste accumulation areas in the knowledge necessary to accumulate waste, perform administrative functions and operate a site in accordance with Navy policies, and in compliance with applicable federal, state, and local hazardous materials/hazardous waste (HM/HW) laws and regulations at all times and under all conditions.

This course meets the requirements detailed in the following sections of the regulations; RCRA regulations 40 CFR 264.16(a) (1), 265.16(a) (1), and HAZWOPER 29 CFR 1910.120 (p) which require training for TSD facility personnel. HMTA, 49 CFR 172.704(a) (1) and 172.704(a) (3) which require training in hazardous material recognition and identification; and safety for each HAZMAT employee, and HAZWOPER regulation 29 CFR 1910.120(q) (6) (i) which requires personnel who are likely to witness a release of hazardous substances to be trained to an awareness level.

PREREQUISITES/AUDIENCE: For CONUS personnel who work at TSD facilities, less than 90-day accumulation facilities and on-board hazardous waste trainers.

HAZWOPER for UNCONTROLLED HAZARDOUS WASTE SITE WORKERS – 8 HR REFRESHER

CIN: A-4A-0074; CDP: 335F

COURSE DESCRIPTION: The HAZWOPER For Uncontrolled Hazardous Waste Site Workers-Refresher is an eight-hour course that provides personnel who work at, or oversee work at uncontrolled hazardous waste sites with the required annual health and safety information they need to perform their duties safely and in compliance with federal regulation, 29 CFR 1910.120(e)(8). This course addresses safety and other issues potentially encountered at uncontrolled hazardous waste sites including: hazard recognition; toxicology; air monitoring instruments; selection, use and limitations of respirators and personal protective equipment (PPE); laws and regulations; physical hazards; confined space entry; drum handling; decontamination.

PREREQUISITES/AUDIENCE: This course is designed for individuals assigned to work at/or oversee work at uncontrolled hazardous waste sites who have received an initial 40-hour HAZWOPER(A-4A-0075) training.

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HAZWOPER for UNCONTROLLED HAZARDOUS WASTE SITE WORKERS REFRESHER (ON-LINE)

CIN: A-4A-0094

COURSE DESCRIPTION: The HAZWOPER For Uncontrolled Hazardous Waste Site Workers-Refresher on-line course is an eight-hour course that provides personnel who work at/or oversee work at uncontrolled hazardous waste sites with the required annual health and safety information they need to perform their duties safely and in compliance with federal regulation, 29 CFR 1910.120(e)(8).

PREREQUISITES/AUDIENCE: Due to the limited number of seats approved by NAVFAC HQ for the HAZWOPER On-Line Refresher class, CECOS will no longer be accepting quota requests for this course from those who do not work directly in the Naval Facilities Engineering Command (NAVFAC), Environmental Restoration Program and the US MARINE CORPS. If you are currently working in NAVFAC Environmental Restoration Program or the USMC, you may register for the Online Refresher course. However, if you are NOT working for NAVFAC Environmental Restoration Program or USMC and want to take this course to meet the requirement per 29CFR1910.120(e), please register for the live classroom version of this course.

HEALTH & ENVIRONMENTAL RISK COMMUNICATION WORKSHOP

CIN: A-4A-0072; CDP: 335B

COURSE DESCRIPTION: This 3-day ISEERB approved course provides attendees with basic knowledge and tools to effectively communicate risk and risk management issues to stakeholders of diverse interests. This includes developing a proactive program to establish and maintain a sound relationship through dialogue with stakeholders based on mutual trust and credibility. Instruction focuses on how to have open discussions on environmental restoration issues, establish confidence in communicating key messages, develop effective media and public meeting techniques, improve verbal and non-verbal communication skills, and revitalize stakeholder dialogue. Although the course was originally designed to meet the needs of restoration personnel, other environmental personnel can benefit from this training.

PREREQUISITES/AUDIENCE: This course is designed for military and civilian personnel responsible for communicating environmental risk management issues to the public, regulators and/or media stakeholders including remedial project managers, BRAC Environmental Coordinators, Base Closure Team members, installation environmental program managers, technical experts, engineers, scientists, health and safety personnel, natural resource personnel, environmental planners, public affairs officers, commanding officers and their staff, executive staff, attorneys and, on a space available basis, sponsored contractors.

HUMAN HEALTH RISK ASSESSMENT

CIN: A-4A-0078; CDP: 335R

COURSE DESCRIPTION: This 3 day course provides instruction on how to conduct and manage human health risk assessments that are scientifically tenable and defensible, and how to use this information to make risk management actions that are protective of human health and the environment.

Basic scientific theory of risk assessment is presented, however, instruction is focused on the efficient oversight and management of risk assessment that is in balance with Department of Navy, regulatory and community requirements and concerns. A working case study is presented to demonstrate the practical application of the instruction.

PREREQUISITES/AUDIENCE: This course is designed for Installation Restoration Program RPMs, BRAC Environmental Coordinators, UST EIC's, and any Department of Defense personnel responsible for assessing or managing risks associated with environmental contamination.

N74 ENVIRONMENTAL DIVISION COURSES

INTEGRATED EMS AND COMPLIANCE AUDITING

CIN: A-4A-0079; CDP: 335S

COURSE DESCRIPTION: This course trains Navy civilian and military personnel representing shore installations, major claimants and Naval Facilities Engineering Command Engineering Field Divisions/Activities to conduct environmental management system (EMS) reviews at Navy shore installations. As established in OPNAVINST 5090.1C, this training is mandatory for all lead auditors of external and internal EMS audits, EMS management representatives, and environmental staff responsible for implementation of the EMS.

Students will learn to identify strengths and weaknesses of EMS and programs, identify underlying causal factors that may contribute to the occurrence of observed compliance deficiencies, evaluate each of the individual components of an EMS, provide feedback on the effectiveness of the system, and identify opportunities for improvement.

PREREQUISITES/AUDIENCE: Target audience is personnel assigned to participate in EMS reviews of environmental management systems at Navy shore installations. This includes personnel from navy shore installations, major claimants, regional environmental offices, Naval Facilities Engineering Command Engineering Field Divisions/Activities, and specialty offices who serve on Navy Environmental Quality Assessment – internal and external assessment teams. GS-9 and up; O1 and up.

INTRODUCTION TO CULTURAL RESOURCES MANAGEMENT LAWS & REGULATIONS

CIN: A-4A-0070; CDP: 3358

COURSE DESCRIPTION: This ISEERB approved course provides an overview of all pertinent laws and regulations needed to understand and fulfill cultural resources management responsibilities. The curriculum is designed to provide the student a basic understanding of cultural resource management in support of their installation's mission. There is a half day tour of an historic site to help facilitate the awareness of DoD and Coast Guard histories. The tour may require short hikes. Students should dress casually with walking shoes, hats, and sunscreen, as appropriate for the location.

This course is taught in conjunction with the Advisory Council on Historic Preservation and is approved by the Interservice Environmental Review Board (ISEERB).

PREREQUISITES/AUDIENCE: The target audience includes primary duty and collateral duty personnel and those who are non-cultural resources specialists who, during the performance of their jobs, are responsible for or have an impact on cultural resources (i.e. Resident Officers in Charge of Construction (FEAD/ROICC/OICC); Public Works Officers (PWO or APWO); Environmental Managers, Engineers and Planners, Natural and Cultural Resources Managers; Installation Restoration managers; Environmental Staff; Contracting Officers/Specialist; PAOs; Range Managers/Planners; Real Estate Specialists (must comply with federal laws, DoD policy, and Executive Orders. This course is specifically required for Navy personnel under Chapters 27 & 28 of OPNAVINST 5090.1C.

N74 ENVIRONMENTAL DIVISION COURSES

INTRODUCTION TO HAZARDOUS WASTE GENERATION & HANDLING

CIN: A-493-0080; CDP: 2300

COURSE DESCRIPTION: This 3 day course provides information need by personnel who generate hazardous waste to perform their duties safely and in compliance with legal and Navy policy standards. This course satisfies the requirements detailed by the following requirements: RCRA regulation 40 CFR 262 establishes standards for hazardous waste generators; 40 CFR 262.34(a)(4), generators of hazardous waste who accumulate waste for less than 90 days must prepare and implement a training program which complies with the standards in 40 CFR 265.16, which mandates that personnel must be trained to perform their duties in a way that ensures compliance. HMTA 49 CFR 172.704(a)(1) and 172.701(a)(3) require training in hazardous material recognition and identification and safety for each HAZMAT employee. HAZWOPER regulation 29 CFR 1910.120(q)(6)(i) requires personnel who are likely to witness a release of hazardous substances to be trained to respond in a defensive manner.

Topics covered include: hazardous materials/hazardous waste (HM/HW) laws and regulations; Navy HM and HW waste management policies; HM identification and classification; HW labeling, packaging, handling, and transportation requirements; health effects and personal safety; emergency response procedure.

PREREQUISITES/AUDIENCE: Target audience is military and civilian personnel who generate, package, handle, store, transport, or manage hazardous materials or waste in the performance of their duties.

MUNITIONS RESPONSE SITE MANAGEMENT

CIN: A-4A-0093; CDP: 661T

COURSE DESCRIPTION: This course provides attendees with information on how to effectively address human health, environmental, and explosive safety concerns on sites containing MEC/MC (munitions & explosives of concern, munitions constituents). Instructions include the definition and description of MEC/MC; DoD, Navy directives, policy and instructions; ordinance object and chemical constituent site characterization (including archival research); hazard assessment; site prioritization; response selection; MEC detection and remediation technologies; integration of MEC/MC cleanup and environmental cleanup; remediation documentation; and site closeout.

PREREQUISITES/AUDIENCE: Target audience is Installation Restoration Program RMPs, BRAC Environmental Coordinators, UST EICs and Navy personnel responsible for Navy cleanup sites containing MEX/MC.

N74 ENVIRONMENTAL DIVISION COURSES

NATURAL RESOURCES COMPLIANCE

CIN: A-4A-0087; CDP: 3369

COURSE DESCRIPTION: This ISEERB approved course offers instruction in specific natural resource laws, regulations, policies, Executive Orders, DoD instructions, and other guidance noting service-specific requirements. Course addresses stewardship, preservation, and process; fish, game and wildlife management laws; Sikes Act and INRMP; planning, programming and budgeting for NRC projects is addressed; and interservice cooperation.

Practical exercises, a half day tour of a DoD or Coast Guard natural resource site, and guest speakers are included. A field trip is often an integral part of this training. Students need to be prepared for short hikes and dress appropriately. Sunscreen and insect repellent are recommended items to bring.

PREREQUISITES/AUDIENCE: The target audience is personnel who manage natural resources for the DoD services and USCG as their primary or collateral duty. Other personnel who would benefit from this training based on job responsibilities include: environmental and community planners, NEPA and acquisition personnel, installation commanders, training and operations personnel, range managers, restoration program managers, environmental coordinators, environmental and civil engineers, and other conservation personnel. Contractors (outsourced) who are performing natural resources duties for the government can attend subject to sponsorship by an installation and approved by headquarters personnel.

NAVY ENVIRONMENTAL RESTORATION PROGRAM

CIN: A-4A-0069; CDP: 3357

COURSE DESCRIPTION: The Navy Environmental Restoration Program (NERP) course provides attendees with an overview of the Navy's Hazardous Waste Contaminated Site Clean up Program. This 3 day course presents discussion on budgetary, legal, technical and management tools on how to develop, implement, and manage technical as well as non-technical and communicative skills necessary for RPMs, BECs, and EICs to complete their assignments and to ensure remedial actions are protective, cost-effective, and that a timely site closeout can be achieved in accordance with the policy of the Department of the Navy.

Course topics provide instruction on: Human Health Risk Assessment, Ecological Risk Assessment, Environmental Background Analysis, Munitions Response Site Management, Environmental Negotiation & Risk Communication, CERCLA Legal Issues, Removal Actions, National Oil and Hazardous Pollution Contingency Plan (NCP), Optimizing Remedy Selection, Environmental Data Quality Assurance.

PREREQUISITES/AUDIENCE: This course is designed for Installation Restoration Program RPMs, RTMs, BRAC Environmental Coordinators, and Navy personnel responsible for managing Navy Hazardous Waste Sites. DoD Contractors, Federal, States and Local regulators are also welcome.

N74 ENVIRONMENTAL DIVISION COURSES

NEPA APPLICATION

CIN: A-4A-0077; CDP: 335M

COURSE DESCRIPTION: This course is a 3 day seminar (also available as a 3 day Webinar) that provides participants with legal requirements, Navy policy, procedures and techniques for implementing NEPA, and is the foundation for more advanced NEPA coursework. This course focuses on: selecting the proper document; levels of analysis; public involvement; review process; and impact analysis required under the law. Lectures, case studies and hands-on workshops involving Navy scenarios are part of this in-depth study of NEPA analysis process. The course focuses on documentation and sufficiency requirements for the Categorical Exclusion and Environmental Assessment. The course is taught by an experienced planning practitioner with additional legal support by the Department of the Navy, Office of the General Counsel.

PREREQUISITES/AUDIENCE: Target audience includes DoN (USN with USMC and others as space permits) who work with environmental issues in the following areas: weapons systems acquisition programs, shore facility operations and management, real estate and facilities planning, operational exercises and training, realignment and base closure actions, construction projects, and range management and planning.

NEPA EXECUTIVE OVERVIEW

CIN: A-4A-0076; CDP: 335H

COURSE DESCRIPTION: This is a half day concise presentation on environmental planning responsibilities within DoN. The course focuses on NEPA and its legal and Navy policy requirements, understanding the different levels of analysis, and the balance that senior management faces meeting Navy mission requirements while ensuring quality of the NEPA process. Senior military and civilians will learn how to correctly and effectively use staff, interdisciplinary teams, and financial resources to streamline their responsibilities and duties under this primary federal environmental law. Besides the regularly scheduled offerings, this course is also presented by sponsor request. Should you desire a course offering, contact cecos_N74@navy.mil.

PREREQUISITES/AUDIENCE: Target audience includes DoN senior executives, commanding officers and senior military leadership, project managers, and environmental professionals who manage projects. DoD and other federal agency personnel will be accepted for registration as space allows.

OPTIMIZING REMEDY SELECTION & THE SITE CLOSEOUT PROCESS

CIN: A-4A-0089; CDP: 4147

COURSE DESCRIPTION: This 2 day course presents the tools and concepts necessary to begin integrating the analysis of remedy selection and site closure options into your RD/RA decision making process. The course provides instruction on making technically sound and cost effective remedial action decisions for Navy and Marine Corps Environmental Restoration sites in a manner consistent with regulatory and Navy/Marine Corps policy requirements. At the completion of this course students will be able to select the appropriate remedy to achieve site closeout; optimize remedial action operation (RAO) and long-term management (LTM); and identify the basic elements of the decision documents needed to achieve site closeout.

Day 1 begins with an introduction to the overall perspective of the remedy selection and site closeout process, followed by an introduction to the basic concepts underlying the course as presented from the perspective of a feasibility study. The majority of Day 1 is then spent discussing remediation technologies available for various types of environmental contaminants. Day 1 ends with a case study exercise to test what you've learned during this day.

Day 2 begins with a discussion of the importance of the decision documents. Focus is on identifying language that should be contained within the Record of Decision (ROD). Next is a review of site closeout documentation. Attention is given to what is needed to get EPA's signature on a site closeout letter. The last topic is remedial action operation and long term management (RAO/LTMgt). The course concludes with a review of major topics and a final opportunity for questions and answers.

PREREQUISITES/AUDIENCE: The target audience for this course is Navy Environmental Restoration Program RPMs, BRAC Environmental Coordinators, UST EIC's and Navy personnel responsible for Navy Hazardous Waste sites.

N74 ENVIRONMENTAL DIVISION COURSES

OVERSEAS HAZARDOUS WASTE FACILITY OPERATIONS

CIN: A-493-0093; CDP: 640E

COURSE DESCRIPTION: This 32 hour overseas course provides ashore Navy military and civilian personnel who generate, handle, or manage hazardous waste with the knowledge and skills to conduct their duties safely and in accordance with the Overseas Environmental Baseline Guidance Document (OEBGD), Final Governing Standards, Status of Forces Agreements and Treaties; applicable host nation hazardous waste laws and regulations and Navy policies.

This course is tailored for the host country in which it is given and the following topics are covered: hazardous waste identification/transportation, pollution prevention/waste minimization, contingency planning and spill response, identification of waste for shipping, health and environmental effects, storage (containers and tanks), generator requirements, labeling and packaging, hazardous properties, personal safety, asbestos, PCBs, disposal of hazardous waste, regulatory policy, training requirements, and compatibility.

PREREQUISITES/AUDIENCE: Target audience is military and civilian personnel who manage, generate, store, or dispose of hazardous waste overseas at site-specific locations.

OVERSEAS HAZARDOUS WASTE FACILITY GENERATOR

CIN: A-493-0094; CDP: 640F

COURSE DESCRIPTION: This one day course provides information for overseas ashore Navy, military and civilian, personnel who generate hazardous waste with sufficient knowledge to conduct their duties safely and in accordance with the following: Overseas Environmental Baseline Guidance Document (OEBGD), Final Governing Standards, Status of Forces Agreements, Treaties (between the United States and host nation), applicable host nation hazardous waste laws and regulations, and relevant Navy policies.

This course is tailored for the host country in which it is given. The following topics are covered: regulatory policy, compatibility, hazardous properties, contingency planning, health and environmental affects, pollution prevention.

PREREQUISITES/AUDIENCE: Target audience is military and civilian personnel who generate, handle, store, or dispose of hazardous waste overseas.

POLLUTION PREVENTION (P2)

COURSE DESCRIPTION: This webinar (2 half-days) emphasizes source reduction of hazardous and toxic chemicals, solvent substitutions, reuses and recycling, process changes, environmental awareness, and introduces management practices that can be used to implement a sound pollution prevention program. These management techniques include ways to establish and run the program, implement process changes to incorporate pollution prevention, assess pollution prevention program success, and establish awareness training.

Webinar content includes awareness level topics such as introduction to pollution prevention (P2), climate change, sustainability, renewable energy, environmental management systems, air and water management strategies and success stories, P2 information and resources, and green procurement.

PREREQUISITES/AUDIENCE: This course is intended for military active duty, DoD civil service and contract personnel seeking awareness level overview or an update on current pollution prevention strategies.

N74 ENVIRONMENTAL DIVISION COURSES

RCRA HAZARDOUS WASTE REVIEW

CIN: A-493-0081 CDP: 04U5/2300

COURSE DESCRIPTION: This 8 hour course provides hazardous waste workers with updated regulatory and technical information needed to perform their duties safely and in compliance with legal and Navy policy requirements. RCRA regulations 40 CFR 264.16(c) and 265.16(c) require annual review of initial hazardous waste training. Per 40 CFR 262.34(a)(4), generators of hazardous waste who accumulate waste for less than 90 days must prepare and implement a training program that complies with the standards in 40 CFR 265.16, which mandates personnel training.

PREREQUISITES/AUDIENCE: Target audience is personnel who have completed the Hazardous Waste Facility Operators course or the Introduction to Hazardous Waste Generation & Handling course and require annual update.

SUSTAINABILITY IN THE NAVY: LEADERSHIP in ENERGY & ENVIRONMENTAL DESIGN (LEED)

COURSE DESCRIPTION: This 4 hour webinar presented by DoN and industry experts is an outstanding overview of LEED concepts, principles and practices, and how they can be applied within the Navy and DoD. Participants will learn what LEED is, how it impacts their jobs, how it is applied at the Navy, and its future impact on Naval Operations.

Specific areas of focus will concentrate on high performance buildings, innovations in pollution prevention and storm water, and best practices that include the following topics: sustainability definitions and drivers; importance of sustainability to the Navy; sustainability and its impact on you and your job; collaboration and partnering practices; gaining LEED certification; requirements of Executive Order 13514; interior design, construction, and design concepts and practices; implementation tips and guidelines; best practices, technologies, and processes; the future of sustainability in the Navy/DoD.

PREREQUISITES/AUDIENCE: This webinar would be of interest to Navy civilians, contractors, and military personnel who desire to heighten their awareness of sustainability and LEED concepts. This course is not limited to the environmental professional and is open to all.

UNIFORM FEDERAL POLICY FOR QUALITY ASSURANCE PROJECT PLANS

CIN: A-4A-0095 CDP: 752A

COURSE DESCRIPTION: This ISEERB approved course trains personnel in the Uniform Federal Policy (UFP) governing the preparation and review of Quality Assurance Project Plans (QAPPs). To enable personnel to participate as a member of a project team using the UFP-QAPP documents to develop, review, and implement QAPPs that are consistent with the UFP, document the systematic planning process, and support the generation/collection of defensible environmental data of known and documented quality appropriate for their intended use.

PREREQUISITES/AUDIENCE: To gain maximum benefit from this course, students should possess a basic knowledge of environmental quality systems. Target audience includes all DoD services, Dept of Energy, Environmental Protection Agency, other federal government personnel, representatives of Native American tribes, and state personnel who develop, review, implement or use QAPPs, or personnel who have to communicate QAPPs including, but not limited to remedial project managers (RPMs), on-scene coordinators, site assessment managers, RCRA facility managers, EPA enforcement personnel, state and tribal regulators, quality assurance personnel, DOE program and field managers, contractors and oversight officers, field task managers, and laboratory personnel.

There are two prerequisite e-learning modules: Introduction to the Uniform Federal Policy for Quality Assurance Project Plans and Introduction to the Systematic Planning Process. Course attendance is not required to view these modules. To access the modules, send your request to cecos_N74@navy.mil