

Joint Service P2 Technical Library

Single Point of Reference for Currents Readers

The Joint Services Pollution Prevention (P2) Technical Library provides Currents readers with a single access point to meaningful resources to support sound environmental program management.

The spring issue of Currents included the results of the first Currents Readers Poll. The poll indicated that: “Most respondents are reading Currents to learn about other environmental programs and to manage their own program(s) more effectively. There was also interest in learning from others’ mistakes, getting insights into policy and getting a “heads up” on pending regulatory issues.” Respondents to the Poll expressed interest in additional information concerning:

- Encroachment issues, problems, and success stories,
- Technology-related issues including cadmium-plating alternatives and innovative painting techniques,
- Threatened and endangered species projects and management programs, and
- Site remediation and restoration challenges, opportunities and successes.

Currents readers will be pleased to learn that the Joint Service Pollution Prevention (P2) Technical Library (at <http://p2library.nfesc.navy.mil/>) provides a single point of reference for the most up-to-date information on these and other topics. The website is funded primarily by the Navy, Air Force, Army, Marine Corps, United States Coast Guard (USCG), and Defense Logistics Agency (DLA). It is a clearing-house for current information on Pollution Prevention (P2), Hazardous Waste Management, Compliance, Environmental Management Systems (EMS), and other environmental issues. The P2 Technical Library promotes the concept that cost-effective environmental protection is best achieved through programs that avoid or minimize problems, rather than react to them after the fact. For the past decade, the P2 Technical Library has been providing access to meaningful environmental resources, relevant to Department of Defense (DoD) operations, so that duplication of effort is minimized and resources are used as effectively and efficiently as possible.

Today’s military must concern itself with future oriented concepts such as long-range planning, continuous improvement, systems controls, worker health and safety, technological innovation, and tracking and measurement of results. As DoD moves toward sustainable installations, the P2 Technical Library provides pertinent and timely information and resources to help Joint Service installations plan for the future of their missions.



Joint Service P2 Technical Library homepage.

The P2 Opportunity Topics, listed below, provide the focus for the Joint Service P2 Technical Library’s resources:

- Air Pollution,
- Preproduction Technologies,
- Bio-Based Products,
- Range Management,
- Electroplating and Metal Finishing Technologies,
- Solid Waste Management,
- Hazardous Material and Hazardous Waste Management,
- Solvent Alternatives,
- Ozone Depleting Substances,
- Storm Water,
- Paint Application and Removal Processes,
- Sustainable Development,
- Petroleum, Oils, and Lubricants, and
- Wastewater.

A new P2 Opportunity Topic—Green Procurement—is under development and will be available in the spring of 2004. Green Procurement as well as Bio-based Products are regulatory issues that will have a major impact on the future purchasing practices of all federal facilities.

For ease of use, resources related to the P2 Opportunity Topics are organized into five P2 Library Books:

1. The P2 Opportunity Handbook

Contains more than 260 datasheets, each describing a P2 technology and/or application currently in use at Joint Service installations. Each datasheet includes advantages and disadvantages, an economic analysis with payback period, and user contact information.

2. The P2 Documents Book

Provides access to more than 700 documents including research reports, guidance manuals, handbooks, policies, web/software tools and more from federal agencies, and other public and private sources.

3. The Fact Sheet Book

Lists more than 550 fact sheets from the Joint Services and other resources.

4. The Web Links Book

Provides quick access to nearly 400 web links to military, government, and private environmental websites.

5. The Presentations Book

Contains more than 300 presentations on environmental issues from 2001 through 2003.

A number of other P2 resources are available through the P2 Technical Library:

■ Emerging Technologies

Lists web links to Joint Service, DoD, and other organizations that develop and investigate potential P2 technologies and process changes.

■ Material Safety Data Sheets (MSDS)

Contains links to MSDSs for recommended commercial products and hazardous substances referenced in P2

The Environmental Management System Library

The Environmental Management System (EMS) Library (at <http://p2library.nfesc.navy.mil/ems/index.html>), serves as the "official" Navy EMS website. The EMS Library is designed to be a single access point to the most recent EMS policies and directives, as well as templates, training modules, and success stories from each of the Joint Services. The official Navy EMS website provides the most current and comprehensive EMS information available to the Navy and all of the Joint Services. By providing a resource specific to EMS issues and a mechanism for sharing information, success stories, and lessons learned, the EMS Library enables Joint Service personnel to access pertinent and timely information as they move toward the 31 December 2005 deadline for EMS implementation.

The EMS Library features four unique resources:

1. EMS Success Stories

This resource provides Joint Service installations the opportunity to share their EMS success stories with others who may have similar missions, operations and concerns. EMS Library users share tested approaches to EMS problem solving, as well as solutions to common EMS challenges. The EMS success stories help to enhance productivity and decrease the costs associated with EMS implementation.

2. Where to Start—Key Decisions for Successful EMS Implementation

This resource addresses key issues that should be considered before and during the EMS implementation process. If these criteria are considered in designing the EMS and key decisions are made during the implementation process, EMS development will be more effective and efficient. The issues discussed in this section go beyond those normally addressed in standard International Organization for Standardization (ISO) 14001 EMS design and implementation resources.

3. EMS Roadmap—Key Considerations for Successful EMS Implementation

The roadmap is a flow diagram outlining key considerations and decisions during the EMS implementation process.

4. Legal Requirements

This resource consists of an outline of the basic legal requirements that must be addressed when implementing an EMS. Links to major federal laws, Executive Orders, and DoD directives and instructions are provided.

Opportunity Handbook datasheets. It also contains links to general information about MSDSs and ozone depleting substances.

- **Official Navy EMS Library**
Provides the most comprehensive, current, and pertinent EMS information available to the Navy and all of the Joint Services.
- **Process Codes**
Contains the latest process codes for the Air Force, Army, Navy and Marine Corps.
- **Success Stories**
Lists over 80 web links to Joint Service, DoD and other environmental success stories.
- **Training Centers**
Provides nearly 40 web links to Joint Service, DoD and other environmental education and training centers.
- **Specific P2 Resources**
Lists environmental resources found in the Joint Service P2 Technical Library by Service or organization.
- **P2 Programs/Groups**
Provides direct links to websites of importance to Navy and Joint Service personnel dealing with environmental issues, such as DLA's Environmentally Preferable

Products Program (EPP); the Field Activity Support and Technology Transfer (FASTT) team; the Joint Group on Pollution Prevention (JG-PP); the Pollution Prevention Equipment Program (PPEP) Book; and the Propulsion Environmental Working Group (PEWG).

The P2 Technical Library makes it easy to find the answers to questions about P2 equipment and technologies. In addition, the P2 Technical Library can support the planning and implementation of proactive environmental programs including Green Procurement and EMS that will promote progress toward the sustainable installations of the future. For proven approaches to problem solving and solutions to common environmental challenges, visit the Joint Service P2 Technical Library (at <http://p2library.nfesc.navy.mil/>) today. ↴

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Environmental Exchange Set for Jacksonville in April 2004

NAVAIR to Host Annual Gathering for Sailors & Marines

The Naval Air Systems Command (NAVAIR) will hold the sixth annual Fleet Environmental Information Exchange (EIE) on 27-29 April 2004 at the Officers Club at the Naval Air Station Jacksonville, FL.

NAVAIR encourages fleet representatives from Navy and Marine Corps hazardous material, supply, support equipment, ordnance and corrosion control programs to attend. The EIE provides Sailors and Marines with an opportunity to discuss their environmental aviation-related issues with NAVAIR's envi-

ronmental and acquisition experts. Military and civilian personnel with dot-mil email addresses can register for the EIE online at <https://www.enviro-navair.navy.mil/EIERegistration.nsf>. Other interested parties can contact Jim Ganci to register. Jim can be reached at 904-542-0516, x-101 or GanciJS@navair.navy.mil. Registration is also available on-site. ↴

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CECOS Offers EMS Implementation Workshop

Training Meets the Intent of Executive Order 13148

The Civil Engineering Corps Officers School (CECOS) is now pleased to announce ongoing opportunities for individuals to get up to speed on the pending Environmental Management System (EMS) implementation process. This course is structured to meet the intent of Executive Order 13148—Greening the Government Through Leadership in Environmental Management.

The focus of these workshops is to allow the Navy's environmental program managers to understand the fundamentals to implementing a successful EMS at their activities. The workshop provides a roadmap towards achieving specific EMS goals.

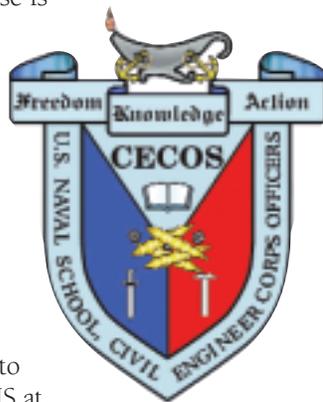
This workshop is designed to raise the EMS awareness level of Navy civilian and military personnel representing shore installations, major claimants and Naval Facilities Engineering Command Engineering Field Divisions/Activities. Students will learn to:

- Identify strengths and weaknesses of environmental management systems 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, and
- Provide feedback on the effectiveness of the system.

Students will also learn to identify opportunities for improvement and how to provide for an overall foundation upon which to build an EMS implementation strategy.

Target Audience

The target audience for this course is personnel assigned to participate in the evolution of EMSs at Navy shore installations.



The Basics About Executive Order 13148

Executive Order 13148, issued by then-President Bill Clinton, contains a broad range of environmental management, pollution prevention, and toxic release reduction mandates including the following EMS requirements for all Federal agencies:

- Implement "environmental management systems" to ensure that strategies are established to support environmental leadership programs, policies, and procedures and that agency senior level managers explicitly and actively endorse these strategies.
- Within 24 months, implement environmental management systems through pilot projects at selected agency facilities.
- By 31 December 2005, implement an environmental management system at all appropriate facilities. The system shall include measurable environmental goals, objectives, and targets updated annually and made part of audit protocols.
- Develop an internal agency-wide innovative environmental leadership awards program.
- Within 12 months of the date of this order, ensure that the goals and requirements of this order are incorporated into existing agency environmental directives, policies, and documents.
- Report progress annually to the U.S. Environmental Protection Agency.
- Within 18 months, conduct an agency-level environmental management system self-assessment.

The Executive Order also contains clauses on life cycle assessment and environmental cost accounting, landscaping, ozone depleting substances and affirmative procurement.

The entire text of this and other Executive Orders can be found on the U.S. Government Printing Office web site at <http://www.gpoaccess.gov>.

To Register

Workshop availability is limited and is on a first come first serve basis. CECOS is expecting record turnouts for these courses. So CECOS wants to ensure that people who sign up for the course, show up for the course. As a result, the registration process for this course will be particularly rigorous. During the registration process, CECOS will solicit information about registrants. CECOS wants to ensure registrants that this information will be used solely to process registrations and not for any other purposes. CECOS will verify and confirm attendance as classes begin to fill. Confirmation and welcome packages will be sent out approximately 30 days prior to the workshop.

To register for any of these course offerings, visit the CECOS web site at <https://www.cecos.navy.mil/>. Click on “Academic Divisions” under “Course Information” then click on “Environmental Management” to find the course title. ↴

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SERDP Publishes Brochure Highlighting Successful Environmental Technologies

Publication Illustrates Innovations That Meet DoD Challenges

The Strategic Environmental Research and Development Program (SERDP) has published a brochure that highlights the successes of SERDP's first decade in developing innovative technologies to meet the Department of Defense (DoD)



environmental requirements. The brochure also outlines a number of the emerging environmental issues the U.S. military expects to face in the coming years and SERDP efforts to address these issues. It describes the role SERDP plays in helping DoD effectively meet its environmental obligations, sustain its facilities and ranges, and reduce environmental and lifecycle costs, thus enabling the department to fulfill its chief mission—military readiness.

A limited number of copies of this brochure are available to the DoD user community. If you would like to obtain a copy, send an e-mail message to partners@hgl.com. ↴

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UXO Basic Training

What Every RPM Needs to Know About Unexploded Ordnance

The Civil Engineer Corps Officer School (CECOS) is now offering a three-day basic training course for Remedial Project Managers (RPM) on everything they need to know about unexploded ordnance (UXO).

There are a lot of things that a Remedial Project Manager (RPM) would rather not encounter on his or her remediation project. Some might involve funding shortfalls or budget over-runs, while others might include overzealous regulators or stakeholders. But the one project component that is sure to send chills up and down the spine of an RPM is bumping into UXO—unexpectedly.

UXO are often buried underground – hidden from plain view. And if not handled properly UXO can kill, dismember and/or result in serious property damage. So how does an RPM prepare for such an encounter? They enroll in CECOS' new UXO Basic Training Course.



One day, back in 1999, several CECOS staff members were brainstorming on UXO and decided to put together a basic training course for RPMs. One of the first questions they asked themselves was where to turn for expertise in such a specialized area. (They knew that the “know-how” did not reside in-house at CECOS.) So they turned to the Naval Facilities Engineering Command (NAVFAC) and found an individual at the Engineering Field Activity Northwest who had both a military Explosive Ordnance Disposal (EOD) background and experience in the civilian UXO cleanup business. Thus was born the UXO basic training development team—a CECOS course developer (previously a NAVFAC RPM) and a former UXO technician.

The development team wanted to see what other similar courses were offered by the Department of Defense (DoD) and non-DoD agencies. So they attended basic UXO training courses offered by the U.S. Army Corps of Engineers, the Environmental Protection Agency, and the Interstate Technology Regulatory Council. While each course had its strengths, the development team felt that none of these courses met the needs of the typical Navy RPM. So they decided to develop their own course and tailor it to the needs of the Navy RPM.

The next step was to extract from the surveyed courses those aspects that were relevant and applicable to Navy RPMs. The objective was to fashion a course that met the needs of the RPM and achieve the training standards set by CECOS for all of its courses. Within a few weeks, the course was taking shape as the development team brought in other experts. By the time the course was “ready for prime time,” the CECOS teaching team consisted of experts in UXO remediation, the Navy Munitions Response Program (MRP), the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and hazard/risk assessment. And in order to make sure the course title mirrored the content, the team called it the “Munitions Response Site Management” course (or MRSM). The MRSM course is comprised of classroom instruction as well as practical exercises. Topics include:

- **Munitions and Explosives of Concern (MEC) Basics**
Including how munitions are constructed and how they function;
- **Relevant Policies**
Including relevant environmental, DoD, and Navy regulations and policies;
- **MEC Agencies and Contractors**
Roles and responsibilities of agencies and contractors involved with MEC projects;
- **Detectors**
The various types of detectors, how they function and how their data are interpreted and used;
- **MEC Quality Assurance**
Key features of an MEC quality assurance and quality control program including development of relevant data quality objectives;
- **MEC Communications Strategy**
Key elements of an MEC hazard communication/public involvement strategy;



Miscellaneous munitions.



Mk 81 bomb.



Recovered projectiles.

- **Use of Record Search**
How the historical record search and the archive search report is used as a tool in the Preliminary Assessment project phase;
- **Conceptual Site Model**
The Conceptual Site Model as a tool in the Site Investigation process;
- **Screening Hazard Assessment**
How to conduct a screening hazard assessment including the data required to support such a screen;
- **Explosives Safety**
Safety procedures associated with the management of explosives;
- **Investigation and Remediation**
The major elements involved in the investigation and remediation phases of projects;

- **Use of the Feasibility Study**
How an MEC project incorporates the Feasibility Study, Record of Decision and/or other decision documents;
- **Achieving Site Closeout**
The steps required for a typical MEC project in order to achieve site closeout and property transfer; and
- **Long-Term Management Issues**
Critical aspects of long-term management applicable to MEC projects.

The first offering of the MRSM course was at Naval Submarine Base Bangor, WA in June 2002, where two-dozen RPMs were trained. Since that time, CECOS has taken the course to Norfolk, VA, Honolulu, HI and San Diego, CA training nearly 200 people in all.

To learn about more about the MRSM course and register for future offerings, visit https://www.cecoc.navy.mil/course_detail.cfm?courseid=45. ⚓

U.S. Navy photos.

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