

POINT PAPER

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SUBJECT

TRAINING NEED FOR REMEDIATION AT UXO/OE-CONTAMINATED SITES

BACKGROUND

To inform the Ashore Working Group of training need in the subject of remediation at Unexploded Ordnance (UXO)/Ordnance and Explosives (OE)-contaminated sites and to propose a plan of action to address this training need.

DISCUSSION

DoD is developing a Directive entitled "Policy for Closed, Transferred, and Transferring Ranges Containing Military Munitions" and an instruction with details on the implementation of this directive. Until the Directive and Instruction are approved, DoD has agreed with EPA to follow the UXO principles embedded in the document *Interim Final Management Principles for Implementing Response Actions at Closed, Transferring, and Transferred Ranges* (March 07, 2000). These standards address cleanups at DoD closed, transferred and transferring ranges.

Current NTSP Curriculum does not include detailed instruction addressing remediation of sites containing UXO/OE, nor is curriculum offered by other services. These remediation projects include the identification and removal of abandoned ordnance and explosive waste such as bombs, bullets, and rockets. Also included are projects for removal or remediation of explosive-contaminated soil and chemical warfare material.

There is a need for a consensus approach to the processes, tools, techniques, and end goals of the UXO cleanup program. This approach can be provided through training in conjunction with regulations, policy, and UXO workgroups.

Navy Installation Restoration personnel have sought training in this subject. Training needs are currently being met through ad-hoc, site-specific courses. CECOS can use the material already developed for these courses and can coordinate this class with Navy Subject Matter Experts (SMEs), other services, EPA, and other classes such as the Advanced Environmental Restoration. This training would greatly benefit from such a coordinated task-based curriculum review. Training in this subject is characterized by CECOS as specialty training where limited classes would be offered to the EFD/A community.

RECOMMENDATION

1. A course be recommended by the ASWG for inclusion into the NTSP to satisfy this particular training need.
2. CECOS be tasked to work with Navy TSA's and SME's to assess training needs and recommend to the ASWG an appropriate training mechanism and cost effective implementation of a class on remediation of UXO/OE-contaminated sites.

yes/no/modify(give suggestion)

Course Identification Number (CIN): TBD

CDP: TBD

Course Title: UXO/OE Remediation

Lead School (CCMM): CECOS

Training Support Agency: NFESC/NAVFAC/NOSSA

Class size: 25

Length: TBD

Offerings: 2 exported

Delivery Method: Lecture by Course Director and Guest Speakers, potential Interactive Multi-Media Instruction for future offerings

Prerequisite Training: None

RFT: FY01

Level: Introductory

Course Description: This course provides attendees with information on how to effectively address human health, environmental and explosive safety concerns on sites containing UXO/OE.

Instruction includes:

- definition and description of UXO/OE,
- safety and environmental hazards associated with UXO/OE,
- regulations,
- integration of UXO/OE cleanup and environmental cleanup,
- site characterization,
- risk assessment,
- response selection,
- UXO technologies, and
- site closeout

Training Requirement: Section 300.120(g)(1) of the NCP (40 CFR Part 300) states lead agency [the Navy] is responsible for providing training to RPMs and other response personnel to carry out their responsibilities under the NCP. OPNAVINST 5090.1(series) requires environmental training for personnel as a function of duties assigned.

Target Audience: The following table identifies personnel categories that are required to complete this course or who are required to receive environmental training that can be satisfied by completion of this course:

Personnel Category	Estimated Population to be Trained				Military Turnover Rate	Civilian Turnover Rate	Annual Through-put
	# Officers in this Category	# Enlisted in this Category	# Civilians in this Category	Total			
Activity Environmental Staff			135	135		.2	27
EFD/EFA RPMs			227	227		.2	45
All Personnel - Total				377			77