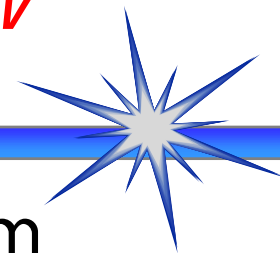


Navy Munitions Response Program — Explosives Safety Oversight

Doug Murray

Naval Ordnance Safety and Security Activity (NOSSA)
Ordnance Environmental Support Office (OESO)

Presentation Overview

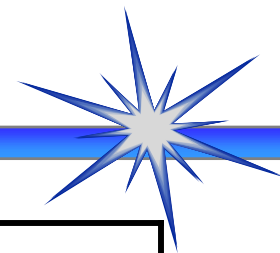


- Scope of Navy munitions response program
- OPNAVINST 8020.15/MCO 8020.13:
“Explosives Safety Review, Oversight, and Verification of Response Actions Involving Military Munitions”
- NAVSEAINST 8020.X:
“Military Munitions Response Program Oversight”



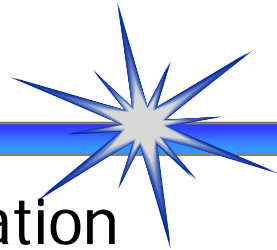
155mm white phosphorous projectile.
Photo courtesy of UXOinfo.com.

Scope of Navy Munitions Response Program



Funding Source	Service	Number of Sites	Cost to Complete
ER,N	Navy	124	\$374M
	USMC	82	\$134M
BRAC	Navy	19	\$52M
	USMC	0	\$0

OPNAVINST 8020.15/ MCO 8020.13

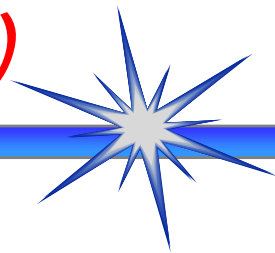


- “Explosives Safety Review, Oversight, and Verification of Response Actions* Involving Military Munitions”
 - * Response actions include investigation, removal and remedial actions to address the explosives safety, human health, or environmental risks presented by unexploded ordnance, discarded military munitions, or munitions constituents
 - Signed out on 14 Oct 03 by both the CNO CMC
 - Requires both to provide overall direction and resources for their respective processes:
 - Explosives safety review
 - Oversight
 - Verification



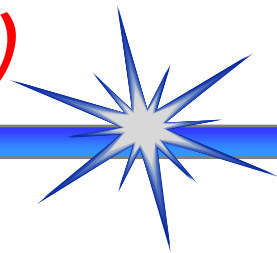
MTADS;. Photo courtesy of Blackhawk UXO Services.

OPNAVINST 8020.15/ MCO 8020.13 (cont'd)

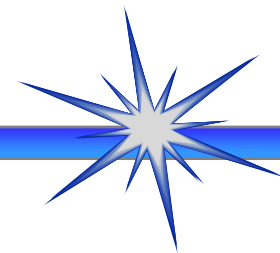


- Specifically, Naval Sea Systems Command (NAVSEA) and Marine Corps Systems Command (MARCORSYSCOM) are to:
 - Develop and maintain a repository for emergency response and “response action” notifications
 - Provide guidance for preparing an Explosives Safety Submission (ESS) for response actions
 - Provide guidance addressing explosives safety concerns in project planning, execution, and quality assurance
 - Review/approve and forward the ESS to DDESB
 - Develop oversight and verification process

OPNAVINST 8020.15/ MCO 8020.13 (cont'd)



- NAVSEA and MARCORSYSCOM are to (cont'd):
 - Provide explosives safety oversight of ongoing response actions, to include
 - ESS compliance
 - Health and safety plan execution
 - Personnel qualifications
 - Quality assurance
 - Review and approve After Action Report(s)
 - Provide formal verification that response actions were completed IAW explosives safety documents



- “Military Munitions Response Program Oversight”
 - Implements OPNAVINST 8020.15
 - Applicable to military munitions response actions
 - Applicable to “other than operational” (formerly closed, transferred, or transferring) ranges
 - Does not apply to maintenance and clearance of operational ranges
 - Currently undergoing Navy review



40-mm HE
rifle
grenade.
Photo
courtesy of
U.S. Army.

NAVSEAINST 8020.X (cont'd)



- Site identification and notification
 - When any munitions are encountered, Navy project managers must
 - Stop all operations
 - Notify servicing EOD mobile unit or detachment
 - Notify OESO (form at Enclosure 1)
- ESS preparation and submission
 - Who's to prepare it and what it's to contain (format at Enclosure 2)
 - When an ESS is and is not required
 - Review and concurrence process
 - Amendment and correction requirements
- Mishap reporting
 - Notification and investigation processes



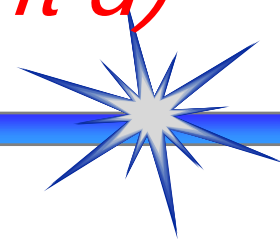
Miscellaneous
munitions, Jackson
Park, WA. Photo
courtesy of U.S. Navy.

NAVSEAINST 8020.X (cont'd)



- NOSSA oversight
 - Review of EOD incident reports
 - Review of notification reports
 - Audit of munitions response projects for compliance with explosives safety requirements (Enclosure 3)
 - Directed by NOSSA N5/N7
 - Will follow procedures similar to OSHA, ANSI/ASQC, and EPA guidance for conducting technical audits
 - Coordinated with project manager and major claimant
 - May take place in the field, project office or headquarters
 - Auditable documents include ESS, plans, SOPs, and documents addressing explosives safety and environmental requirements

NAVSEAINST 8020.X (cont'd)



- NOSSA oversight (cont'd)
 - Audits (cont'd)
 - Auditable field operations
 - Explosives safety practices
 - Worker qualifications
 - Site health and safety practices
 - Environmental protection
 - QA/QC program
 - Geophysical investigation, data management, etc.
 - Intrusive operations
 - Soil sampling
 - Munitions treatment/disposal operations
 - Munitions scrap management
 - Land use controls
 - Audit report will have limited distribution



EM61. Photo courtesy
of Geonics, Ltd.

NAVSEAINST 8020.X (cont'd)



- After-action report (AAR)
 - Who's to prepare it and what it's to contain (Enclosure 4)
 - NOSSA will review to verify response actions
- Verification—formal process by which NOSSA finds:
 - The approved munitions response action was satisfactorily completed and;
 - The munitions response action and institutional controls provide adequate protection to human health and the environment consistent with the planned future use of the property

NAVSEAINST 8020.X (cont'd)



- Verification (cont'd)
 - Based upon a review of the following project documents, as applicable:
 - ESS
 - AAR
 - Audit Rreport
 - Record of Decision;
 - Finding of Suitability to Lease or Finding of Suitability of Transfer;
 - Proposed deed, with language addressing the MEC contamination;
 - Land Use Control Plan, including a description of explosives-safety related institutional and engineering controls;
 - Long-term Management Plan

Questions

