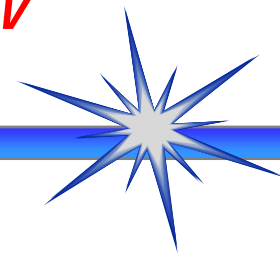


Navy Munitions Response Program — Explosives Safety Audits

Doug Murray

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

Presentation Overview

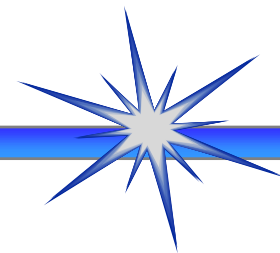


- Purpose and scope
- Procedures
- Initiation and coordination
- Auditable documents
- Auditable field activities
- Audit report



M46 training mine recovered from abandoned training minefield. Photo courtesy of U.S. Navy.

Purpose and Scope

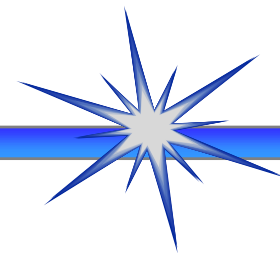


- Purpose
 - As part of its oversight authority, qualified members of NOSSA N5/N7/ESSOs will selectively audit Navy MR projects
- Scope
 - Audits of munitions response activities are designed to assess compliance with applicable explosives safety requirements



Projectiles recovered from bay adjacent to Navy family housing.
Photo courtesy of U.S. Navy.

Procedures



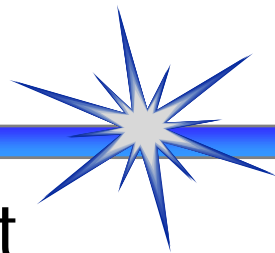
- Audits follow procedures similar to:
 - OSHA Instruction TED 8.4, "Voluntary Protection Programs (VPP): Policies and Procedures Manual", Appendix F
 - ANSI/ASQC Q10011-1994, "Guidelines for Auditing Quality Systems";
 - "Guidance on Technical Audits and Related Assessments for Environmental Data Operations", EPA QA/G-7
- Draft NAVSEAINST 8020.X, Enclosure 3, "Guidelines for Conducting a Naval Ordnance Safety and Security Activity Audit" provides guidelines for NOSSA audits and includes sample audit questions

Initiation and Coordination



- An audit will be initiated when:
 - NOSSA N5/N7 determines that an audit is required in order to verify that approved munitions response actions are being adequately completed
 - The project is selected for evaluation as part of the OPNAVINST 8020.14 and NAVSEAINST 8020.14A NOSSA explosives safety oversight program
- Audits will be coordinated with Navy project manager, munitions response program manager of major claimant, and cognizant command

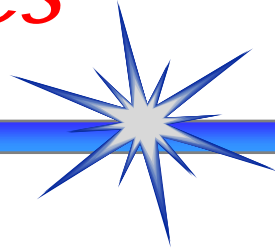
Auditable Documents



- NOSSA audit of munitions response project documents may take place in the field, the project office, or headquarters
- Major document classes subject to the audit:
 - ESS
 - Plans
 - SOPs
 - Other documents addressing explosives safety and environmental requirements

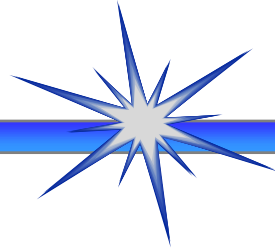


Auditable Field Activities



- Explosives safety practices
- Worker qualifications
- Site safety and health practices
- Environmental protection as it relates to explosives safety
- QA/QC program
- Geophysical investigation, data management, and target re-acquisition
- Intrusive operations
- Soil sampling
- Munitions treatment/disposal operations
- Munitions scrap management
- Land use controls

Audit Report (1)



- Purpose
- Team members
- Areas audited
- Audit plan and checklist
- Methodology
- Discrepancies
- Observations
- Conclusions



Old style general-purpose bomb recovered from a closed bombing range. Photo courtesy of U.S. Navy.

Audit Report (2)



- Generally considered internal to the Navy with limited distribution
- Reports protect business sensitive information (including proprietary data, documents, and personnel records) from unauthorized disclosure
- Dissemination of audit reports will be limited to:
 - CNO
 - Major claimant
 - Cognizant command
 - NAVFACHQ
 - Navy project manager
 - Navy QA manager
 - NOSSA



Practice bomb (with explosive spotting charge) washed ashore a former Navy bombing range. Photo courtesy of U.S. Navy.

Questions

