NOSSA NAOC Brief

Ordnance Environmental Support Office,
Naval Ordnance Safety and Security Activity
Indian Head, Maryland

Providing Ordnance Safety for The Naval Enterprise

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TOPICS

• ESS Reviews
• Audit Metrics
• MPPEH instruction
• NOSSAINST 8020.15E
• AGC Challenges
ESS REVIEWS

• ESS Review Process
  – Quality documents
    • Not meeting ES criteria
    • illogical approach/poorly articulated
    • Insufficient QC processes/lack of
    • Poor editing
    • Not adhering to NOSSAINST
  – Timeframe
  – Expedited reviews
  – Explosive Safety Deviations
# NOSSA AUDIT

- Audited areas include, but are not limited to:

## Documents

| Explosives Safety Submission | General explosives safety practices | Geophysical instrument checkout and use |
| Work Plan/QAPP and Standard Operating Procedures | Explosives storage and transportation | Anomaly detection and identification |
| QC Plan or QA Project Plan | Occupational safety and health practices | Manual/mechanized MEC/MPPEH removal |
| Site-specific Health and Safety Plan | QC and QA programs | MEC treatment/disposal |
| Environmental Protection Plan | Exclusion zone management | MPPEH management |
| UXO worker training and qualifications | Environmental compliance | Data management |
Summary Audit Findings by Category

MRS Audit Findings by Category (FY15-19)

- Environmental 18%
- Explosives Safety 17%
- MPPEH 18%
- Procedures 36%
- QC/QA 20%
- Security 0%
- Storage 3%
- Tng/Quals 13%
- Trans 6%
- Enviro 5%
- Expl Safety 17%

Legend:
- Environmental
- Explosives Safety
- MPPEH
- Procedures
- QC/QA
- Security
- Storage
- Training/Quals
- Transportation
## Audit Scoring

### MRS Audits: SAT vs. UNSAT (FY15-19)

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<th>Year</th>
<th>No. of Satisfactory MRSs</th>
<th>No. of Unsatisfactory MRSs</th>
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AUDITS

• **3 Main focus areas**
  - Explosive Safety
  - Quality
  - MPPEH Management

  • **Recent failures**
    - ES and Quality

NOSSA Audit Glasses
Material Potentially Presenting an Explosive Hazard (MPPEH)

• What is NOSSA looking for during an audit?
  – Are you meeting MPPEH Training Requirements?
    • MPPEH Training for UXO contractors
    • Updated course & annual refresher
  – Supporting Documentation (maintaining records for 3 years)
    • 1348’s or locally approved form
    • UXO contractor Designation Letters
  – Maintaining the Chain of Custody
    • Contents match what is on the paperwork
    • Closed & Secured Containers

Other common findings: No SOP, unmarked container, incorrect certification statement
Material Potentially Presenting an Explosive Hazard (MPPEH)

- Batch Processing
  - Makes maintaining Chain of Custody Easier

- Further Evaluating
  - Implementation of Expert Knowledge to make MDAS Determinations
  - Chain of Custody / Segregation
Material Potentially Presenting an Explosive Hazard (MPPEH)

- Future Instruction
  - NOSSA Instruction on MPPEH has been drafted
  - Expands upon NAVSEA OP5 by providing clarification
  - Improves NOSSA’s ability to control operational decisions on MPPEH
  - Flexible common sense solutions on MPPEH management without compromising explosives safety
NOSSAINST 8020.15E

• Status: Waiting to be signed out.

• Major changes:
  – Procedure changes-Allows new MGFD implementation with 2 week timeframe to submit revised document in order to prevent work stoppages
  – ESS Development Guide has been expanded (QC/QA/UW)
  – Audit checklist has been updated and expanded
  – Requires use of the AGC/MR-QAPP
  – AAR guidance
  – Requires NAVFAC approval/justification to use analog
AGC Implementation Challenges

• MGFD changes based on data
• ESS development-NOSSAINST 8020.15E
• DAGCAP Requirements
• AGC QAPP
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