Rock Island District Ordnance and Explosives (OE) Engineering

Time and Cost Benefits of a Range Assessment/

Archives Search Report

PRESENTED BY

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Report Documentation Page

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Range Assessment/ Archives Search Report (ASR)

Outline

- Qualifications of the ASR Team
- Basic ASR Principles
- Report Organization
- Conclusions and Recommendations

Teamed w/Corps/Army/DOD Explosives Safety

- Corps Huntsville Engrg and Spt Ctr
- Corps Division Headquarters
 Provide Hand Division Hospital and Corps HQs
- Corps Military Support District
 - Manage DE projects as Military design district
- Corps Rock Island District
 Support Hontyells and Millury District's OE program
- · U.S. Army Defense Ammo Ctr & School (USADACS)
- Support Rock Island District watexplosives safety (co-located w/Rock Island)
- Army Medical Command (MEDCOM)
 Support Of team with industryal hygiene (co-located w/Rock Island)

U.S. Army Defense Ammunition Center and School (USADACS)

Mission: Support Army Explosives Safety Program

- Ammunition Career Management.
- Logistics Engineering
- U.S. Army Technical Ctr f/Explosives Safety (USATCES)
- Demil Technology
- Logistics Review
- Army Ammunition School

Specialized Ordnance Staff

- Safety and Occupational Health Specialists (former EODs)
- Quality Assurance Specialists (Ammunition Surveillance) (QASAS)
- Research Specialists
- Chemical Engineers
- Industrial Hygienist
- Civil/Environmental Engineers
- GIS Specialists
- Engineering (CADD/GIS) Technicians
- Engineering Aides
- Electrical Engineer (diver/ordnance locator specialist)

ASR Purposes

- · Provide site characterization
- Verify FUDS eligibility/boundaries
- Determine OE presence on subsite basis (Confirmed, Potential, Uncontaminated)
- Provide OE technical data
- Provide related HTRW and BD/DR considerations
- Provide recommended OE cleanup strategy

Final Report

- Findings
- Conclusions and Recommendations
 - Appendices
 - Reference Sources
 - Drawings

Definitions of OE Contamination

Confirmed

 live OE/energetics onsite (end items, components, explosive soil)

· Potential

= evidence of OE/nothing confirmed

 Uncontaminated = no OE evidence (includes expended small arms)

Summary of Process

- · Records Search
 - · · Government
 - .. Non-Government
- · Site Safety Plan
 - · · Initial Hazards
 - · · Emergency contacts
- · Site Inspection
 - · · Site dynamics/interviews
 - Visual inspection/identification/mapping
- · Final Report
 - · · Records evaluations
 - · · Site inspection
 - · · OE analyses
 - · · Conclusions and recommendations

Types of OE Analyses

- Production/Manufacturing
 - · · Process analyses
 - Building usage
 Waste Streams
 - Decontamination procedures
- · Usage (Army, Navy, Air Force)
 - .. Range fans
 - .. Maneuver areas/uses
 - · · Bomb target hazard zones
 - · · Trajectory analyses
 - .. Military unit/mission analyses
 - · · Delivery weapon analyses

- Storage
 - · · Storage Practice
 - .. Reconditioning practice

- Disposal
 - · · Burn pits
 - · · Demolition ranges
 - • Burial Pits

Summary of Conclusions

Site Name Area: X Size: Y Acres

- Land Usage
 - Former military usage, present usage, future probable end usage
- Eligibility
 - • Confirmed FUDS or IR, Potential FUDS or IR
- Ordnance Presence
 - · · Confirmed, Potential, Uncontaminated
- · Risk Assessment Code
 - 1 (imminent hazard threat); 2, 3, 4, or 5 (uncontaminated)

Summary of Recommended Strategy Issues

Rights of entry
 Landowner will assist w/community
 relations

Landowner has been very reluctant to participate Must coordinate work during nongrowing season

- OE Detection Sweeps
 Heavy brush will influence sweeps
 Terrain is very slippery after heavy rains
 Soil is mixture of clay and stone rubble
 Endangered plant life onsite
- OE Disposal
 Onsite destruction must consider nearby housing
 Site is heavily used by the public

Rock Island District Ordnance and Explosives Engineering

- Ordnance Engineering Experts
 100 years of EOD expertise
 300 years of Army, Navy, Air Force ammunition experience
- Partner with COE/Army/DOD OE Assets
 Huntsville Engineering and Support Center
 USADACS/IOC/AMC/DDESB
- Fully Trained and Equipped PA, SI, EE/CA, RD, RA Magnetometers, GPS, other field equipment CADD/GIS/Internet OE Anchor

Summary of Recommendations

Site Name Area: X Size: Y Acres

- · Preliminary Assessment Actions
 - Amend or prepare INPR or other PA documents
- OE Actions
 - · · NOFA, IRA, EECA
- HTRW Actions
 - · · Perform SI
- BD/DR Actions
 - · · Evaluate the hazard