

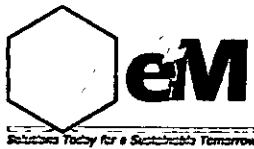


# THE MEMPHIS DEPOT TENNESSEE

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 921



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M.D. 541 460.0008

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# Memorandum

**To:** Brian Renaghan, CIV AFCEE/EXA  
Mike Dobbs, DES-DDC-EE

**From:** Tom Holmes  
Brandon Bruns

**Date:** 19 December 2007

**Re:** **Health and Safety Plan Amendment - Excavation Activities at  
Dunn Field  
Defense Depot Memphis, TN**

This memorandum has been prepared in response to the recent discovery of empty ordnance casings while excavating at Loess Treatment Area (TA) 3 within Dunn Field at the Defense Depot Memphis, Tennessee (DDMT). The proposed actions summarized in this memorandum were developed as an amendment to the *Remedial Action Health and Safety Plan* ([Project HASP] AFCEE, e<sup>2</sup>M, 2006), which supplements the *Dunn Field Source Areas Loess/Groundwater Remedial Action Work Plan, Revision 1* (e<sup>2</sup>M, 2007).

## Background

On 13 December 2007, excavation work was reinitiated at TA-3. Excavation work had been stopped while glass vials discovered in the area were being analyzed for potential chemical warfare materiel (CWM) and other regulated substances. Analytical results confirmed that no CWM or agents of concern were present in the vials. As excavation was being performed in the western portion of TA-3, two bomb casings were discovered approximately two feet below ground surface. The activities that were completed in association with the discovery are summarized below:

- One casing was discovered in a crushed condition while the other casing was discovered in a recognizable condition. The crushed casing was placed, along with soil, adjacent to vapor point VP-7. The uncrushed casing was placed adjacent to the excavation.
- Immediately after discovering the casings, excavation equipment and personnel were removed from the area. The area was secured and caution tape was placed around the locations where the casings were found and placed. The DDC and AFCEE were then contacted. Site photos and a location map were sent to AFCEE and DDC. Local agencies including the Memphis Fire Department and Bomb Squad were also notified.

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- Dunn Field remained secure until personnel from the 22<sup>nd</sup> Chemical Battalion (Technical Escort) from Gadsden, Alabama (an attachment of Aberdeen Proving Grounds) arrived on site. The ordnance specialists arrived at Dunn Field on 14 December at approximately 1900 CST. The specialists inspected both casings and determined that no danger was present. The uncrushed casing was empty and was placed in the Memphis Bomb Squad's containment vessel and transported to their facility for disposal. The crushed ordnance was determined to be scrap metal and was left in the soil to be disposed with the other material from TA-3 at the Tunica Landfill. The ordnance specialists considered the site clear.

### **EOD/UXO Support**

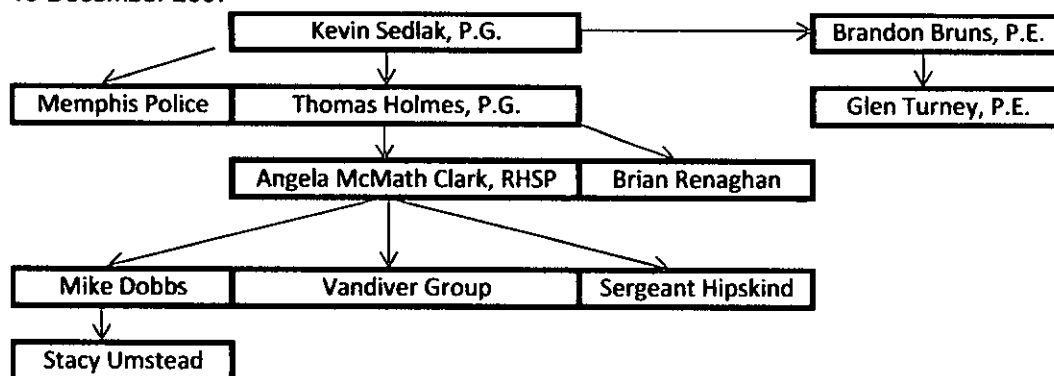
Excavation activities at TA-3 have been discontinued until January 2008. To provide additional expertise for future excavation at TA-3 and to ensure health and safety of site employees and visitors, an Unexploded Ordnance (UXO) technician will be present to observe the excavation activities. e<sup>2</sup>M will select a qualified UXO subcontractor to provide a UXO Technician at Dunn Field. The UXO Technician will be present during all excavation activities at TA-3 and have the ability and authority to stop work at any time if additional UXO is discovered. The responsibilities of the UXO Technician will include:

- Review available archival information;
- Meet with e<sup>2</sup>M on-site management and construction personnel and conduct a general work and safety briefing prior to commencement of on-site activities;
- Physically review the planned excavation area;
- Discuss visual observations and potential areas of concern with e<sup>2</sup>M personnel;
- Monitor all excavation activities; and
- Identify UXO types present if any are found during the excavation and lead response actions.

The UXO Technician will work closely with Mr. Kevin Sedlak, e<sup>2</sup>M Field Team Leader and Mr. Marshall Culp, e<sup>2</sup>M excavation supervisor, during excavation activities at TA-3.

### **Notification Protocol**

Once excavation work is reinitiated at TA-3 and if potential UXO are discovered, the following individuals should be contacted by site personnel immediately. Mr. Kevin Sedlak, or a site representative he designates, will contact the project management team in the order designated in the following flow diagram. Other individuals illustrated in the flow chart will be contacted accordingly. Contact information is provided below.



**Note:** The Memphis Police Department will not be contacted until Mike Dobbs has been notified.

### Project Management Team

Mr. Kevin Sedlak, P.G., e<sup>2</sup>M, Project Field Team Leader  
Office Number: 901.774.6717  
Cell Phone: 210.639.9719  
[kevin.sedlak@e2m.net](mailto:kevin.sedlak@e2m.net)

Mr. Thomas Holmes, P.G., Project Manager, e<sup>2</sup>M:  
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[thomas.holmes@e2m.net](mailto:thomas.holmes@e2m.net)

Mr. Brandon Bruns, P.E., Task Manager, e<sup>2</sup>M:  
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Mr. Glen Turney, P.E., Senior Vice President, e<sup>2</sup>M:  
Office Number: 830.438.4720  
Cell Number: 210.317.5448  
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Ms. Angela McMath Clark, RHSP, Associate Vice President, e<sup>2</sup>M:  
Office Number: 404.799.1046  
Cell Number: 404.932.6222  
[angela.clark@e2m.net](mailto:angela.clark@e2m.net)

**Defense Logistics Agency, Defense Distribution Center**  
Mr. Mike Dobbs, Chief, Environment, Safety and Health  
Office Number: 717.770.6950  
Cell Number: 717.903.8057

**Air Force Center for Environmental Excellence**  
Mr. Brian Renaghan, AFCEE/EXA  
Office Number: (210) 536-4761

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**22<sup>nd</sup> Chemical Battalion, Aberdeen Proving Grounds, Gadsden, Alabama**  
Sergeant First Class Garrick Hipkind  
Telephone Number: 410.436.2093

**Memphis Police Department, Airways Station**  
Main Number: 901.576.4800

**The Vandiver Group, Inc., Public Relations Firm**  
Office Number: 314.991.4641

### **Health and Safety Protocols**

As mentioned briefly above, in the case additional ordnance is encountered at TA-3, the UXO Technician will take the lead and respond accordingly. The presence of UXO provides a unique set of health and safety protocols that must be followed. At a minimum, the UXO Technician and field personnel shall follow the procedural and health and safety criteria detailed in *Munitions and Explosives of Concern (MEC) Support During Hazardous, Toxic, and Radioactive Waste (HTRW) and Construction Activities*, (US Army Corps of Engineers, 2004). In addition, any site personnel or site visitors will be briefed by the UXO Technician regarding the potential for UXO at the site and related site protocols.

### **Attachment:**

- 1) *Munitions and Explosives of Concern (MEC) Support During Hazardous, Toxic, and Radioactive Waste (HTRW) and Construction Activities*, US Army Corps of Engineers, 2004

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