

Field W	ork \	/ariance No.	24 _TII-021	KTS	
Page	1	of	2		

CTO 16 / WAD 06

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Project Name/Number	Fort Ord / 846075	CTO/
Applicable Decuments	Challeton, Diameter	

Applicable Document: Final Work Plan, MRS-16

Munitions and Explosives of Concern Removal, Former

Fort Ord, California, August 2006, Revision 1

CTO/WAD

Date: 03/06/08

Problem Description:

MRS-16 MEC Removal work was not completed due to insufficient funding prior to completion of all work. Additional funding has been secured to complete work.

## Recommended solution:

Intent of work is to remove fencing from the site. This work does not include the saturated area in the western portion of the site. Complete work inside and at fenceline as detailed below:

- 1) Complete reacquisition and excavation of anomalies resulting from Digital Geophysical Mapping (DGM) performed previously.
- 2) Investigate latrine and trash pit delineated during previous work at the site.
- 3) Conduct EM61 real time work in areas where DGM is not feasible to include areas with significant tree cover and site fenceline once fence is removed.
- 4) Conduct "mag and dig" operations using Schonstedt GA52-C/x magnetometers in areas where EM61 real time work is not feasible due to terrain conditions and proximity to obstructions (tree trunks, stones, mounds, etc.).
- 5) Remove fence around the site at an appropriate time. Current intent is to leave fencing in place until removal of fencing is required to complete work at the site.

Some areas at the site have significant populations of Sand Gilia and Monterey Spineflower which preclude work at this time. These areas are currently being delineated and will be addressed in June 2008 when impact to these populations is reduced.

Impact on present and completed work:

Will allow completion of MEC Removal work inside and along MRS-16 fenceline.

Requested by: Kevin Siemann

Recommended revisions to the plan:

A total of 1445 DGM anomalies will be reacquired and subsequently excavated if reacquisition is successful. Two reacquisition teams consisting of one local field laborer and one geophysicist each will reacquire the anomalies. Production goals for reacquisition are 100 reacquired anomalies per day per team. Subsequent to the reacquisition phase of the project, two excavation/EM61 real time teams will excavate anomalies and perform EM61 real time operations. Production goals for excavation are 75 excavated anomalies per day per team. This goal is based on the assumption that the majority of reacquired anomalies will require only one dig. Excavation/EM61 real time teams will consist of the following personnel on each team: one geophysicist, one UXO Tech II, and one UXO Tech I or II. Production goals for EM61 real time is completion of one grid (area) per day per team.

Data collection for DGM anomaly excavation and EM61 real time work will be different as defined below.

For DGM targets that are reacquired and dug, all standard data fields will be collected for every dig. This will include item length, diameter, metal type (ferrous vs. non-ferrous) as well as estimated thickness from each dig (measurements are visual estimates). For the previous DGM grids, dimensions and weight were collected only for suspected MEC. This change was requested by the USACE geophysicist, as discussed in a team conference call 2/14/08.

For Real Time EM61 grids/areas, a record will be entered into PDAs that will record the following items by grid:

Grid Team

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Shaw Sh	aw Environmen	tal, Inc.	Page	2	of	2	
Number of Digs Total ibs of Munit Total ibs of Other Grid Op Complet Date	Debris					<del></del>	
Additionally, for E are found. This y weight.	M61 real time gi vill include all of	rids/areas, an the standard o	"item" record v lata fields, inclu	rill be create Iding coordin	d <i>only</i> for M nates (or off	IEC or QA Se sets), length,	ed items that diameter and
Every excavation EM61. If QC che check results in a continue until QC	ck results in an n EM61 reading	EM61 reading at or above 1	below 14 mV, 4 mV, subsequ	excavation v ent excavati	vill be consider will occu	dered comple	ete. If QČ
Subsequent to co		sunface work a	it the site, a fina	al QC visual	inspection o	of the site will	be performed
Specific individua	l grids and action	ns required are	e included on t	he attached	spreadshee	et.	
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Clarification	Mino	r Change	×	Major Char	nge		
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