Appendix A

Task Order Statement of Objectives

CESPK-PPMD August 11, 2005
SUPPLEMENTAL SCOPE OF WORK

SUBJECT: Munitions and Explosives of Concern (MEC) Removal at MRS-16 at the Former Fort Ord, Fort Ord, CA

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Contract No.: DACW05-96-D-0011, Task Order No. 0016, Mod ____

1. Installation: Former Fort Ord Military Reservation, Fort Ord, CA

2. Project Title: MEC Removal at Site MRS-16 at the Former Fort Ord, Fort Ord, CA.

3. General Project Description: This Supplemental Scope of Work (SSOW) describes the work necessary to continue the regulatory-required munitions response actions at former Fort Ord, CA. This SSOW includes contract administration, planning, munitions response procedures, data management, installation support and reporting.

4. Project Background: The former Fort Ord is located near Monterey Bay in northwestern Monterey County, California. Since 1917, portions of former Fort Ord were used by calvary, field artillery, and infantry units for maneuvers, target ranges, and other purposes. Military munitions were fired into, fired upon, and used on the facility in the form of artillery and mortar projectiles, rockets and guided missiles, rifle and hand grenades, land mines, pyrotechnics, bombs, and demolition materials. Munitions and explosives of concern (MEC) are present at parts of former Fort Ord. Fort Ord environmental cleanup has been ongoing under the Base Realignment and Closure (BRAC) program since 1993. As part of the BRAC cleanup effort, numerous parcels require MEC clearance before the property can be transferred. As dictated by the Interim Action Record of Decision (ROD), the removal of MEC at Munitions Response Site (MRS) 16 will take place after vegetation clearance by prescribed burn of the 80-acre area.

4.1 MRS-16. Site MRS-16 includes approximately 80 acres located immediately north of the former Fort Ord multi-range area (MRA) between Eucalyptus and Parker Flats roads and bounded by Watkins Gate Road to the east. This site will become habitat reserve and will remain undeveloped. The Bureau of Land Management (BLM) land immediately adjacent is open to the public for hiking, biking, jogging, and horseback riding. MRS-16 is surrounded by a temporary 6-foot high, chain linked fence. The site is posted with signs warning of the dangers associated with MEC. Vegetation at MRS-16 mainly consists of Central Maritime Chaparral (CMC) with some grassland and coast live oak areas.

MRS-16 is a World War II (WWII) era rocket range, and is identified as a "bazooka practice" area on Fort Ord Training Facilities maps dating from 1945 and 1946. Available training maps after 1946 do not identify the bazooka practice area.

MRS-16 may contain sensitively fuzed, highly dangerous MEC, such as HEAT projectiles, present on the ground surface or at shallow depths below the ground. During recent surface removals in 2001, hundreds of MEC items, including expended and live 2.36-inch rockets (practice and HEAT), practice anti-tank mines, rifle grenades, hand grenade fuzes, and MD scrap were recovered.

The land that includes MRS-16 will be transferred to the BLM and will remain undeveloped as habitat reserve. Chapter 3 of the Installation-Wide Multispecies Habitat Management Plan (HMP) for former Fort Ord (USACE 1997) describes mitigation measures that must be implemented during MEC investigation and remediation.. In addition, there are 3 biological opinions that contain terms and conditions and reasonable and prudent measures that need to be implemented during MEC activities to minimize and reduce impacts to listed species. Future management of the habitat reserve will fall under the jurisdiction of the BLM.

4.2 MEC is a safety hazard and may constitute an imminent and substantial endangerment to the local populace and site personnel. The work shall be performed in a manner consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 104, and the National Contingency Plan (NCP). All activities involving work in areas potentially containing unexploded ordnance hazards shall be conducted in full compliance with U.S. Army Corps of Engineers, Center for Expertise – Huntsville (CEHNC), U.S. Army Corps of Engineers (USACE), Department of Army (DA) and Department of Defense (DOD) safety requirements regarding personnel, equipment and procedures.

4.3 MEC is classified as a safety hazard, thus the applicable provisions of 29CFR 1910.120 apply.

4.4 Due to the inherent risk in this type of operation UXO personnel shall not be engaged in MEC operations more than 40 hours a week or more than 10 hours a day.

4.5 Hazardous and toxic waste (HTW) and chemical warfare materials (CWM) at MRSs. HTW material and non-stockpile CWM are not suspected at this site. It is unlikely that the Contractor will encounter either during this MEC response action. If they are encountered, the Contractor will apply the following guidance.

4.5.1 HTW, munitions constituents (MC), or CWM may be in munitions, containers, landfills, Open Burning/Open Detonation (OB/OD) areas, ground spills, water or groundwater. If suspected HTW of unknown origin and nature is encountered the Contractor shall immediately notify the U. S. Army Corps of Engineers, Sacramento District (CESPK) and the onsite MM Safety Specialist. The Contractor shall take necessary actions to protect the safety of his/her workforce, the public, and the environment.

4.5.2 During conventional MEC operations, if the Contractor identifies or suspects CWM, the Contractor shall immediately withdraw upwind from the work area and contact CESPK and the onsite MM Safety Specialist. Until relieved by the Technical Escort Unit (TEU) or Explosive Ordnance Disposal (EOD) personnel, the Contractor shall secure the site by providing two UXO Technicians at level II or above located upwind of the suspect CWM.

5.0 Description of Work and Services: The Contractor shall provide all necessary services, equipment and material to execute the work described within this SSOW. The overall objective is for the Contractor to perform military munitions clearance of the defined area (safely locate, identify and make final disposition of the MEC, munitions debris (MD) and ordnance scrap) in order to transfer this property. This SSOW describes the work necessary for contract administration, planning, boundary and grid surveying, data management including GIS mapping, and reporting requirements necessary to complete the removal of all MEC and MD-related scrap, demolition of MEC and discarded military munitions (DMM) items and disposition of MD within the burned area in accordance with the referenced guidelines noted in Section 8.0. Work is being performed under the Fort Ord Interim Action Sites Record of Decision. The work activities are as follows:

WAD 06:

5.1 Work performed by the contractor under this scope of work shall comply with all references listed in Section 8.0. The contractor shall use the most appropriate methods and instruments at the subject site.

5.2 Explanation of Significant Difference (ESD). The ESD shall address three elements:

1) Blacklining - Need to provide technical description of "blacklining" (possibly reference a written CDF or local fire memo or procedure, if one exists. Jack Riso may be able to provide assistance). Should describe that "blacklining" is one tool to aid in fuel-break establishment and maintenance and also include advantages of using this technique. "Blacklining" will be done when higher moisture content in the fuel exists to reduce the threat of uncontrolled burn. It will be done in areas where there is a low probability of encountering MEC (i.e, north and east of the site). Since "blacklining" will be done in areas absent of MEC, accomplished by the fire department with higher moisture content, and in a smaller area than described in item 2 below, there will be no need for re-location of local residents.

2) No relocation for residents during the MRS-16 prescribed burn. If the prescribed burn area is less than the acceptable area for burning CMC as described by the local air district, then re-location is not necessary. For this item, please research the Air District new rules for prescribed burns and smoke management requirements to determine what an acceptable area is (i.e., 100 acres) and discuss the approach as applicable to burning a small site.

3) Reduction of the size of the footprint. For this element, the installation considered the eastern portion of the site as a potential candidate for eliminating some of the removal work based on aerial surveys already completed. USACE Safety Specialist is tasked with doing a walk-about of

the area and providing results. USACE will use the aerial surveys to focus the walk-about and Shaw should write the justification. Shaw should also be prepared to provide GPS support on the walk-about (about 2-3 day effort).

5.3 Site Technical Project Planning. The Contractor shall plan the project in a site technical project planning (TPP) format in consultation with USACE using the Site-Specific Work Plan (SSWP) as an outline. This task includes two preparatory meetings, one prior to the ESD development and one prior to SSWP development.

5.4 Site Visit. A site visit not to exceed 1 day (on-site) and 3 Contractor personnel shall be performed. The Contractor shall coordinate with the Project Manager (PM) at least ten (10) calendar days in advance of the site visit. The site visit team shall include the Contractor's Project Manager and Senior UXO Supervisor. The objective of the site visit is for the Contractor's team to gain familiarization with the site in general and to gather information required to assemble an acceptable and executable SSWP. No MM-related activities will be performed during the site visit. The Contractor shall also coordinate with the local points of contact prior to the site visit.

5.4.1 The Contractor's Senior UXO Supervisor shall conduct a safety briefing to all personnel visiting the site prior to entry.

5.4.2 If MEC is encountered, it will be avoided. The Contractor's Senior UXO Supervisor shall determine if evacuation of the area is necessary.

5.5 Site Specific Work Plan. The Contractor shall prepare and submit a Site-Specific Work Plan (SSWP) describing how the required effort shall be accomplished. The SSWP shall describe the Contractor's proposed method of accomplishing the required work in accordance the Basic Contract, this SOW, planning documents, and associated reference documents. No single technical approach is appropriate for all MRS sites. Therefore, the SSWP prepared by the Contractor shall describe and justify the particular technical approaches proposed for use on this project. The Health and Safety Plan shall be based on specific site conditions to protect personnel involved in site activities and the surrounding community. The SSWP needs to include an environmental protection section that includes the requirements of the HMP and biological opinions (1-8-99-F/C-39R, 1-8-01-F-70R, and 1-8-04-F-25R). Baseline habitat conditions have been documented in accordance with the HMP; however, the USFWS has not yet reviewed or approved the fuel break construction request and there may be additional requirements resulting from the consultation. The BRAC Office will conduct any necessary coordination with the USFWS. The SSWP will require regulatory review and approval. The CESPK Project Delivery Team and the Fort Ord BRAC Office shall review and provide comments. The Contractor shall also supply an electronic version of the SSWP in Microsoft Word, or equivalent software, and in *.pdf format.

5.5.1 Site Burn Plan. The SSWP shall include the site burn plan that will be developed by the Presidio of Monterey (POM) fire department. The contractor shall coordinate with POM fire department as needed to ensure this plan is included in the draft document to the agencies.

5.6 GIS

5.6.1 MM Data Collection Requirements. All MM data collection must be submitted to the USACE for quality assurance (QA) in the Fort Ord MMRP database SQL Server format (mdf). MEC must be located using survey grade GPS equipment with a level of accuracy of one foot or greater. MD must be weighed by pound by 100 X 100 foot grid. Data shall include the type, depth, and location (northing and easting) of the item. See MMRP technical manual for specific details. ***All mapping projects "MXD" with data shall be submitted to USACE.***

5.6.2 Mapping Specifications. Mapping data should be delivered to the USACE in GIS format. The coordinate system for ~~the Presidio of Monterey~~ ***data delivered*** should be in California State Plane, NAD 83, Zone 4, feet. The spatial reference for feature datasets should be set to the following extent. X/Y Domain – Precision:300 MinX: 2846609.356 MaxX:10004888.1726667 MinY:-1264015.957 MaxY:85966669. Z Domain – Min:-10000 Max: 2137483.645 Precision:1000. This extent covers data for all of California.

5.7 Site Work.

5.7.1 Border Survey and Grid Survey. The border survey delineating the burn boundary shall be provided to the Contractor. The Contractor shall perform a 100' X 100' grid survey of the burn area. Escorts are required for this task.

5.7.2 Site Preparation and Restoration. The Contractor shall remove all vegetation that remains after the burn by either mechanical and/or manual methods. Manually cut vegetation shall be removed from the area. The Contractor shall provide erosion control. The Environmental Protection Plan in the SSWP shall identify the means and methods. All work shall comply with the HMP and biological opinions. Escort is required for this task.

5.7.2.1 Fuel Breaks. The contractor shall provide fuel breaks on the west, north and east sides of the site. On the west and east sides, the contractor shall provide MEC surface removal and vegetation cut (approximately 3.5 acres). On the north side, MEC is not suspected, so the contractor shall support the POM fire department by removing tree limbs and brush as needed (to be coordinated with "blacklining"). Additionally, the contractor shall provide military munitions avoidance support to the fire department as needed during "blacklining."

5.7.2.2 Foam Retardant Areas. The contractor shall sample any wetlands down-gradient of the application of foam retardant. These areas shall be sampled in accordance with the HMP and biological opinions to provide a baseline prior to the prescribed burn. The contractor shall re-sample the same

areas for comparison after the burn and document results as part of the after action report.

5.7.2.3 Prior to cutting the fuel breaks, the contractor shall collect plant data and develop maps showing locations of weeds and grasses in fuel breaks for the baseline.

5.8 MEC Removal. The Contractor shall provide the necessary personnel and equipment to locate, identify, recover, store, and apply final disposition procedures to MEC at this site. The procedures used shall be identified in the approved SSWP. If MEC is encountered that cannot be moved due to its condition and the location prevents blow in place, then the onsite USACE MM Safety Specialist shall be notified. All demolition activities shall be coordinated with the onsite USACE MM Safety Specialist. This action will also include a full-time biologist to be present during the MEC operations to ensure work complies with the Fort Ord Habitat Management Plan (HMP).

5.8.1 Surface Removal. The Contractor shall perform a visual surface removal after the burn, but prior to the grid survey and vegetation removal. All items visually encountered shall be removed that will impede vegetation removal. This task is neither a surface clearance nor a Schonstedt-assisted surface removal.

5.8.2 Removal to depth. The Contractor shall perform Schonstedt removal to the depth of detectability of the instrument of MEC to depth over the burn area. The removal consists of removing all MEC items encountered on the surface and subsurface and any other metallic object greater than two inches in any dimension removable by hand.

5.9 Geophysical Survey. The Contractor shall perform a geophysical survey of the area. Digital geophysical surveys are to be conducted after analog removals are completed. The Contractor shall reacquire anomalies after the digital survey has been completed.

5.9.1 Reacquire Anomalies. The Contractor shall excavate all selected anomalies identified by digital geophysical surveys. The Contractor shall remove all MEC items on the surface and in subsurface and any other metallic object greater than two inches in any dimension.

5.10 MEC Demolition. The Contractor shall furnish all necessary personnel and equipment and materiel to make final disposition of all UXO items collected. The procedures used shall comply with those contained in the approved SSWP and applicable references listed in Section 8.

5.10.1 Verification of the UXO filler shall be required prior to demolition to determine demolition procedures.

5.11 Munitions Debris (MD). The Contractor shall furnish all necessary personnel and equipment to make final disposition of all MD and RRD items and other metallic scrap collected. The procedures used shall comply with those contained in the approved SSWP.

5.11.1 The Contractor shall ensure all recovered scrap metal is free of explosive hazards. Inert non-ordnance items shall be segregated from other types of ordnance related scrap. All scrap shall be secured to ensure it does not become commingled with MM or scrap that may contain explosive or hazardous residue.

5.11.2 The Contractor shall complete a DD Form 1348-1A as turn-in documentation. Instructions for completing this form are contained in the Defense Materiel Disposition Manual, DOD 4160-21-M. The Contractor shall prepare and the USACE MM Safety Specialist and UXO QCS shall sign a certificate as follows:

> "This certifies and verifies that the AEDA residue, Range Residue and/or Explosive Contaminated property listed has been 100 percent properly inspected and to the best of our knowledge and belief, are inert and/or free of explosives or related materials."

5.12 Explosive Safety Submittal (ESS). An ESS is not required for MRS-16 because the Land Disposal Site Plan (LDSP) addresses this site.

5.13 If available, the Government will provide magazine storage and explosives as needed; therefore, an Explosive Siting Plan may be required. Explosives requirements shall be coordinated with the onsite USACE MM Safety Specialist.

5.14 Quality Control (QC). The Contractor shall furnish the necessary personnel and equipment to administer a Quality Control (QC) Program to manage, control, and document Contractor and subcontractor activities to ensure compliance with contract requirements. The methodology to accomplish this task shall be proposed in the SSWP and shall be in accordance with the Final Programmatic Work Plan, Former Fort Ord, Monterey, California, Ordnance and Explosives Cleanup, prepared for U.S. Army Corps of Engineers, Sacramento District, Parsons, May 2001 (available in the Administrative Record). The QC activities shall be documented and included in the Final Report. The government quality assurance (QA) failure criteria shall be no MD or intact MEC item in any grid greater than two inches. Failure of any grid will require the Contractor to re-sweep the grids at no cost (fee) to the government prior to the acceptance of the grid by the USACE Contracting Officer or the Contracting Officer's Representative (COR).

5.15 After Action Report. The contractor shall develop an after action report documenting all field activities including summaries of MEC items found and disposed.

5.16 Statement of Clearance. The Contractor shall develop the statement of clearance in support of property transfer. The statement of clearance shall be prepared for USACE signature.

5.17 MEC Escort. The contractor shall provide MEC escort services and assistance into the MRA as needed. The contractor shall notify the COR for approval when such requests are identified. For estimation purposes, assume 160 hours.

5.18 Air Monitoring. The contractor shall provide personnel and instruments to accomplish air monitoring during the prescribed burn (assume four (4) PM-10 units and associated analytical and reporting for this task).

6.0. Personnel Qualifications: The Contractor shall staff this project with a number of UXO teams to accomplish the clearance within eight (8) weeks. Each team shall consist of an appropriate combination of UXO personnel. The size and make-up of the team shall be identified in the Contractor's proposal and approved by the USACE Safety Specialist. The Contractor shall submit to the USACE PM and Safety Specialist copies of required certifications including name, HNC database number, position of each UXO qualified person, and HAZWOPER for verification. The USACE PM and the MM Safety Specialist will make team recommendations to the Contracting Officer who will grant final approval.

7.0 Data Item Descriptions: The following data item descriptions (DIDs) shall be incorporated into this task order by reference and can be found at http://www.hnd.usace.army.mil/oew/didsindex.aspx . The Contractor shall review and follow these guidance documents as appropriate. Where conflicts arise, the Contractor shall notify the Project Manager by work variance notification (WVN) to resolve the issue.

7.1 Type II Work Plan MR-005-01
7.2 Technical Management Plan MR-005-02
7.3 Explosives Management Plan MR-005-03
7.4 Explosives Siting Plan MR-005-04
7.5 Geophysical Investigation Plan MR-005-05
7.6 Geophysical Prove-Out (GPO) Plan MR-005-05A
7.7 Accident Prevention Plan MR-005-06
7.8 Geospatial Information and Electronic Submittals MR-005-07
7.9 Work, Data, and Cost Management Plan MR-005-08
7.10 Property Management Plan MR-005-09
7.11 Munitions Constituents Chemical Data Quality Deliverables MR-005-10
7.12 Quality Control Plan MR-005-11
7.13 Environmental Protection Plan MR-005-12
7.14 Investigative Derived Waste Plan MR-005-13
7.15 Accident/Incident Reports MR-015
7.16 Personnel Resumes MR-025
7.17 Site Specific Final Report MR-030
7.18 Report/Minutes, Record of Meetings MR-045
7.19 Telephone Conversations / Correspondence Records MR-055
7.20 Conventional Explosives Safety Submission MR-060
7.21 Monthly Status Report MR-080
7.22 Project Status Report MR-085

8.0 References:

8.1 ER 1110-1-8153, Engineering and Design - Ordnance and Explosives Response
8.2 EM 1110-1-4009, Engineering and Design - Ordnance and Explosives Response
8.3 DOD 6055.9-STD, Ammunition and Explosives Safety Standards
8.4 AR 385-64, U.S. Army Explosives Safety Program
8.5 DA Pam 385-64, Ammunition and Explosives Safety Standards
8.6 EP 1110-1-18, MEC Response
8.7 EP 385-1-95a, Basic Safety Concepts and Considerations for MEC Operations
8.8 EP 385-1-95b, Explosive Safety Submittals
8.9 AR 75-15, Responsibilities and Procedures for Explosive Ordnance Disposal
8.10 EP 75-1-2, Unexploded Ordnance (UXO) Support during Hazardous, Toxic, and Radioactive Waste (HTRW) and Construction Activities
8.11 EM 385-1-1, Safety and Health Requirements Manual
8.12 AR 385-10, Army Safety Program
8.13 AR 200-1, Environmental Protection and Enhancement
8.14 EPA/540/P-90/004 Superfund Removal Procedures, Action Memorandum Guidance

9.0 Submittals: Report documents shall be prepared on 8 ½" by 11" white bond paper. Oversized diagrams, maps, or drawings shall be folded to that size.

In general, draft and draft-final submittals shall be made directly to the Installation (5 copies) and the Sacramento District Project Manager (4 copies). Final submittals shall be made directly to the Installation (6 copies) and the Sacramento District Project Manager (4 copies). The number of copies and distribution may change as needed by the Project Delivery Team.

10.0 Schedule:

- Cost Proposal and Technical Narrative – 26 August 2005
- Negotiate Cost Proposal – 16 September 2005
- Contract Award – 30 September 2005
- Draft ESD – 18 September 2005
- Preliminary Draft Work Plan – due 30 calendar days after contract award
- Draft Work Plan – due 14 calendar days after receipt of comments on Preliminary Draft Work Plan
- Draft Final Work Plan – due 14 calendar days after receipt of comments on Draft Work Plan
- Final Work Plan – due 14 calendar days after receipt of comments on the Draft Final Work Plan
- Field Execution – within 7 calendar days of approval of the SSWP

11.0 Meetings

11.1 MR BCT Meetings: Attend twelve (12) MR BCT meetings (four hours each), which are held at Fort Ord.

11.2 SMART Team Meeting: Contractor shall prepare a MRS-16 Removal Action presentation for a SMART Team meeting (eight hours) to be held at Fort Ord.

11.3 CIW and TRC Meetings: Contractor shall prepare a MRS-16 Removal Action presentation(s) for a Community Involvement Workshop (CIW) and/ or Technical Review Committee to be held at Ford Ord. Contractor shall participate in the presentation "dry runs" held, one week before the meeting by teleconference and on the same day as the evening CIW presentation.

11.4 Internal Meetings: Contractor shall assume all meetings will take place in Monterey. Preparation of meeting materials such as maps and meeting minutes, when appropriate, will be included in the pricing of this task.

12.0 Reporting: The Contractor shall provide monthly cost and schedule (C&S) reports unless the Project Manager and the Program Manager approve an alternate schedule. The C&S Report shall be limited to five (5) pages and shall include project cost information related to field operations and project management. In addition to the monthly C&S reports, the Contractor shall develop a weekly report on a grid-by-grid basis to determine actual production rates versus estimated production rates, MEC scrap recovered/disposed, and the type and amount of MM identified, removed or detonated. The project team shall use this report to evaluate field operations and make recommendations for changes, if any, to the installation.

13.0 General Requirements

Technical Direction: Performance of the work requirements described in this SOW is subject to the technical direction of the Contracting Officer's Representative (COR) as long as the direction given by the COR is within the COR's authority. The COR's authority is fully defined in the COR Appointment Letter, signed by the Contracting Officer. It does not include technical direction, which has impact on the cost or schedule. The Contractor is cautioned to take no direction from any other source and shall immediately notify the Contracting Officer of any such direction. The Contractor is also cautioned to notify the Contracting Officer of any direction given by the COR outside the COR's authority.

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USACE, Sacramento District

cc: Fort Ord PDT (G. Siller, D. Eisen, J. Payne, M. Aala, C. Mitchener)
SPD RSC (E. Ketchum)
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