

**Performance Work Statement
Remedial Investigation / Feasibility Study
Former Camp Croft
Spartanburg, Spartanburg County, South Carolina
I04SC001603
~~22 November 2010~~
02 December 2010
Revision: 1**

The purpose of Revision 1 is to affect the following changes: (Changes are italicized and in bold)

- Addition of paragraphs 3.4.14 Task 4n and 3.12.14 Task 12n.*
- Corrections were made to task numbers in paragraphs 3.12.4-3.12.13.*
- Corrections were made to the Unit Cost column in Attachment D, 12d-12m.*
- Correction was made to Task 12d in Attachment D, the task was changed to FFP.*

1.0 OBJECTIVE: The objective of this task order is to achieve acceptance of Decision Document(s) in compliance with CERCLA and Department of Defense, Army, and USACE Regulations and Guidance to include Interim Guidance and Data Item Descriptions (DID) at the referenced Munitions Response Sites.

2.0 BACKGROUND

2.1 Work under this Performance Work Statement (PWS) falls within the Military Munitions Response Program (MMRP) for Former Camp Croft, a Formerly Used Defense Site (FUDS). The Contractor shall perform all work in compliance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Contingency Plan (NCP), 40 CFR Part 300. All activities involving work in areas potentially containing explosive hazards shall be conducted in full compliance with United States Army Corps of Engineers (USACE), Department of the Army (DA), and Department of Defense (DOD) regulations.

2.2 Available Site Specific information will be provided with the request for proposal for contractor review and use via either a designated Internet site or delivery of recorded data on CD/DVD. This information may include but is not limited to general site history, previous investigations and other documentation.

3.0 General Requirements:

3.0.1 Contractor Methods: This is a performance based task order. The performance objectives and standards included herein are the basis of the task order requirements. The technical approach and level of effort expended to achieve task order objectives and standards are solely up to the contractor to select and adjust as necessary through the life of the task order. Government recognizes the contractor's right to change the technical approach and level of effort from that proposed with the understanding that the contractor shall still meet all project objectives and gain government Quality Assurance acceptance in order to receive payment. Given the short time available during the pre-award phase to evaluate the site it is possible that after award and refinement of the conceptual site model and data needs that the contractor will wish to adjust the investigation strategy. If after the TPP but before the field work begins an adjustment in the quantities or types field investigations are required to achieve the performance standard or the Government determines that the performance standard must be adjusted the Government at its discretion may choose to modify the contract with the price adjustment based upon the prorated unit prices proposed in the accepted offer. Once these adjustments are complete the contractor shall be obligated to deliver the required performance standard making adjustments in the field strategy as may be necessary to achieve the standard without a change in price.

3.0.2 Quality monitoring and measurement: The contractor will be evaluated periodically during performance of this task order to ensure compliance with the proposed and accepted performance goals, regulations, guidance and DIDs, and to document that acceptance criteria (AC), delivery schedule, and the overall completion date are being met. This evaluation will be performed according to a Quality Assurance Surveillance Plan (QASP). A programmatic QASP will be provided by the government as a starting point for the contractor prepared Draft QASP per Task 2. The government will finalize the contractor's Draft QASP. This final QASP will be supplied to the contractor and used by the government to evaluate the contractor's performance. Failure to adequately complete any service or submittal to at least a satisfactory level of quality or timeliness may result in a repeat of the work, or a poor performance evaluation, or both.

3.0.3 Performance Requirements. Performance requirements are addressed in each task and summarized in the Performance Requirements Summary (PRS) provided in Attachment A. Performance metrics are provided in Attachment B. If discrepancies or ambiguity exists between the documents, the order of precedence is 1) the Task; 2) Performance Requirements Summary; 3) Performance Metrics

3.0.4 Task pricing: A pricing schedule is provided in Attachment D which will be used as a basis for negotiation of price increase or decrease due to government changes in the specified performance objectives.

3.1 Task 1, Technical Project Planning (TPP): This is a Firm Fixed Price/Unit Price task.

Objective: Implement the four-phase TPP process in accordance with EM 200-1-2, EM 1110-1-4009 and applicable Interim Guidance Documents.

Performance Standard: Achieve the objectives of each TPP phase as listed in EM 200-1-2, EM 1110-1-4009 and applicable Interim Guidance Documents. Facilitate meetings in a professional and organized manner.

AC: Acceptance of TPP documents (meeting presentations, agenda, handouts, CSM and memorandums) with up to one (1) revision. Meetings held are organized; accomplish requirements of the TPP process; and professional in nature. Zero letters of reprimand, grievances, or formal complaints

Measurement / Monitoring: TPP checklist for each phase as provided in the guidance will be used to measure and document successful progress; guidance cited will be used to evaluate content of documents for acceptance / non-acceptance. Government will attend and evaluate organization and facilitation of the meetings, and professional nature of the meetings.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: The contractor shall utilize the TPP process to obtain consensus on specific Data Quality Objectives that the contractor intends to achieve in pursuit of the established RI performance requirement that were proposed and accepted as the basis for the RI task. The Contractor shall plan for meetings to occur as follows: first meeting, pre-Work Plan with resulting DQOs and conceptual site model (CSM), and TPP Memorandum; second meeting, to finalize Work Plan with resulting TPP addendum; third meeting, verify all data gaps have been filled and finalize Remedial Investigation Report with resulting TPP addendum. The contractor shall organize and coordinate all meetings; identify and involve all stakeholders, upon approval by the Government; and be responsible for the logistics of these meetings to include, but not limited to, providing a facilitator, obtaining meeting location, and sending invitation letters (pending government review and acceptance). The Contractor shall prepare, submit for review and gain acceptance of a TPP memorandum or addendum for each meeting. If a site visit is planned prior to acceptance of a Work Plan, the Contractor shall prepare and submit for acceptance an Abbreviated Accident Prevention Plan (AAPP). The Contractor shall utilize statistical methods to support the decision making processes used to characterize both UXO/DMM (such as Visual Sample Plan (VSP) software) and MC. The Contractor shall prepare a preliminary Munitions Response Prioritization Protocol for each Munitions Response Site covered under this task order.

3.2 Task 2, RIFS Work Plan (WP), Uniform Federal Policy for Quality Assurance Project Plan (UFP-QAPP) and QASP: This is a Firm Fixed Price task.

Objective: Prepare, submit and gain acceptance of a WP, munitions constituent (MC) UFP-QAPP and QASP that are detailed and comprehensive plans covering all aspects of site characterization, risk assessment and methodology, and project execution. UFP-QAPP applies only to environmental sampling. It is the contractor's responsibility to review all provided historical documentation pertaining to Camp Croft and ensure that all areas in previous investigations are either covered under the existing MRS's or as an Area of Potential Interest.

Performance Standard: Prepare the WP in accordance with DID WERS-001 and EM 1110-1-4009, EM 385-1-1, and EP 75-1-3 as appropriate. Prepare the sampling and analysis plan, field sampling, and UFP-QAPP in accordance with EM 1110-1-4009, DID WERS-009.01, and UFP-QAPP, as appropriate. Prepare a risk assessment work plan incorporating implementation of the risk assessment and methodologies per EPA Risk Assessment Guidance (RAGS) and USACE EM 200-1-4, Volumes I and II, as appropriate. UFP-QAPP content shall also meet the requirements of DoD Quality Systems Manual for Environmental Laboratories (current version). Draft QASP includes requirements in regulations, guidance, DIDs and the Quality Control Plan in the WP.

AC: Acceptance of WP and UFP-QAPP with two revisions. Draft QASP reflects requirements and QCP with one revision required.

Measurement / Monitoring: Review of WP, UFP-QAPP and QASP per guidance to verify that the minimum acceptable content has been provided.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: Incorporate all decisions pursuant to the TPP process. The sampling and analysis plan (SAP) shall include the Contractor's phased approach and address contaminants of interest and sample media (soil/groundwater/sediment/surface water). The Contractor shall provide a discussion on data evaluation and fate and transport analysis. The potential for fate and transport will address all transport pathways, and it should also address future degradation products resulting from biodegradation, photolysis, and chemical reactions.

3.2.1 Optional, Task 2a, Explosive Siting Plan: This is a Firm Fixed Price task. If this optional task is not awarded, an Explosive Siting Plan will be provided by the government for inclusion in the WP.

Objective: Prepare, submit and gain acceptance of an Explosives Siting Plan.

Performance Standard: Prepare required submission in accordance with DoD 6055.09-Std, Chapter 12, Paragraph 12.5, EM 385-1-97, Errata Sheet #3, and DID WERS-003 as a stand alone document for inclusion after acceptance into the WP.

AC: Acceptance of submission with two revisions.

Measurement / Monitoring: Review by Government using guidance cited to determine acceptability.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: Allow eight (8) weeks in the schedule for DDESB approval after submission of final document to the CEHNC-CX.

3.2.2 Optional, Task 2b, Dive Plan: This is a Firm Fixed Price task.

Objective: Prepare, submit and gain acceptance of a Dive Plan.

Performance Standard: Prepare, submit and gain acceptance of a Dive Plan that is a detailed and comprehensive plan covering all aspects of dive operations in accordance with EM 385-1-1.

AC: Acceptance of submission with two revisions.

Measurement / Monitoring: Review by Government using guidance cited to determine acceptability.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: None.

3.3 Task 3, GeoSpatial Data: This is a Firm Fixed Price/Unit Price task.

Objective: Utilize GIS in the development of the Conceptual Site Model (CSM) and maintain and manage all project and geospatial data.

Performance Standard: Manage and maintain project data, and develop CSM in GIS IAW DID WERS-007.01, EM 200-1-2, EM 1110-1-4009 and applicable Interim Guidance Documents.

AC: Acceptance of CSM and GeoSpatial Data submissions meets quality and formatting requirements.

Measurement / Monitoring: Review by Government using guidance cited to determine acceptability.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: The GeoSpatial Data shall include:

- A comprehensive CSM
- A pre and post-project response action geospatial data analysis will be performed using a GIS.
- All available existing data that is applicable to the project will be consolidated into the GeoDatabase and analyzed to relay pertinent information to the PDT. If an existing GIS database is available, it will be provided by the government.
- The analysis of data from the GIS shall support all conclusions of the CSM.
- The information attained through the pre-RI analysis will be documented in the work plan.
- The information attained in the post-RI and FS analysis will be documented in the RI and FS reports.
- The pre-RI analysis will encompass social, environmental and/or economic entities that will be or may be impacted by response-action activities.
- The post-RI and FS analysis will detail entities impacted by RI/FS activities and impacts of future response action activities (if applicable).
- The pre and post-RI and FS analysis may detail the fieldwork strategies, areas of concern, survey requirements, environmental concerns, milestones and/or other factors that affect product delivery and future action planning.
- Entities that may be affected by response actions include but are not limited to: landowners, homeowners, rental tenants, schools, utilities, roads, businesses, recreational areas, air traffic, water bodies and/or industries.
- The GeoDatabase shall be a living repository that is refined throughout the life of the project.
- Incorporate layers that overlay on maps of the site that identify physical features, and MPPEH/MD and Range-Related Debris found during the investigation. Examples include: streets, anomalies, MEC positively identified, identifiable MD, sampling location, cultural resources, environmental, biological, and socio-economic variables.
- Archeological site location(s) will not be released to the public without written permission from USACE.
- Perform civil surveys IAW EM 1110-1-4009 and DID WERS-007.01
- Property owner privacy will be preserved. Property owner names shall not be disseminated in any documents.
- Obtain and maintain property GIS data for all landowners within the project boundaries.
- The Government will provide the contractor with a landowner data base.
- Maintain and update property GIS data for all landowners within the project boundaries.
- Track and assist the District in obtaining property Right-of-Entry as needed.

3.4 Task 4, RI/FS Field Activities: This is a Firm Fixed Price/Unit Price task.

Objective: Conduct a remedial investigation in accordance with CERCLA, characterizing the nature and extent of MEC contamination at the required munitions response sites (MRS) and the Areas of Potential Interest (AOPI), meeting the project DQOs as defined during the TPP process. This task shall include all field activities necessary to execute this task except MC sampling. MC sampling requirements are covered under Task 12, Environmental Sampling & Analysis.

3.4.1 Task 4a, Gas Chambers, FUDS Project No. I04SC0016-03R01. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.2 Task 4b, Grenade Court, FUDS Project No. I04SC0016-03R02. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.3 Task 4c, Range Complex (Land), FUDS Project No. I04SC0016-03R03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.4 Task 4d, Optional, Range Complex (Lake Craig and Lake Johnson), FUDS Project No. I04SC0016-03R03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.5 Task 4e, Optional, Area of Potential Interest 3, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.6 Task 4f, Optional, Area of Potential Interest 5, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.7 Task 4g, Optional, Area of Potential Interest 8, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.8 Task 4h, Optional, Area of Potential Interest 9E, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.9 Task 4i, Optional, Area of Potential Interest 9G, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.10 Task 4j, Optional, Area of Potential Interest 10A, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.11 Task 4k, Optional, Area of Potential Interest 10B, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.12 Task 4l, Optional, Area of Potential Interest 11B, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.13 Task 4m, Optional, Area of Potential Interest 11C, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.4.14 Task 4n, Optional, Area of Potential Interest 11D, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

Performance Standard: Given the available historical information and the approved conceptual site model the field work, data quantity and quality, and analysis of said data (does not include area where Rights-of-entry were not obtained) provides the following results in the RI report:

- Demonstrate that the work was performed in accordance with the applicable laws, regulations, and guidance documents;
- Demonstrate with at least a 90 % confidence of detection that all MEC contaminated areas have been identified. (MEC contamination will be defined in accordance with the approved conceptual site model. The CSM for a suspected ground target area might define the character of a confirmed MEC contaminated area as one with elevated anomaly density plus evidence of concentrated munitions use. The CSM for a suspected disposal area might define the character of a confirmed MEC contaminated area as one with geophysical evidence of a burial pit.)
- Demonstrate that the boundaries of all identified MEC contaminated areas likely to contain MEC have been delineated to an accuracy of at least +/- half the transect spacing, maximum 250 feet.
- Demonstrate with at least 90 % confidence that all land outside the areas likely to contain MEC have less than or equal to (.1 when public use is significant, .5 when public use is moderate and 1 when public use is low) UXO per acre.
- Demonstrate that a 90 % confidence in the nature (type, density and potential depth) of MEC and MEC related debris, for each relatively homogeneous MEC contaminated area, has been achieved.
- Demonstrate that data inputs from the RI into the FS will enable remediation cost estimates with an accuracy of +50%/-30%. The work and reporting shall address the surface and sub-surface metallic anomaly density distribution (anomaly/acre) across identified MEC contaminated areas and other remediation cost drivers such as vegetation type and density, terrain conditions, soil type, exclusion zone evacuation costs, etc each to a level of accuracy within the range specified herein.

Additionally:

- Perform the RI field activities in accordance with the accepted Work Plan and UFP-QAPP.
- Proper processing and disposition of UXO, DMM and MC encountered in accordance with approved plan(s).
- All Material Potentially Presenting an Explosive Hazard (MPPEH) and munitions debris processed in accordance with Chapter 14, EM 1110-1-4009 and Errata Sheet No. 2.
- Meet the project DQOs as defined by the TPP process.
- All geophysics shall be IAW geophysics DID. For this task order 1 acre of transects equals 14,520 lf (2.75 miles) of transects 3 feet wide. One acre's worth of grids equals seventeen (17) 2500 sf grids or four (4) 10,000 sf grids.

AC: Conduct the RI in accordance with the accepted/approved WP, UFP-QAPP, and ESP. QC data submitted meets requirement described in DID WERS-004.01. No more than 3-4 CARs/948s for non-critical violations and/or 1 CAR/948 for critical violation. No unresolved Corrective action requests. All final data and QC tests/documentation submitted. Government QA acceptance QC tests/documentation gained. No Class "A" Safety, contractor at fault, violations during

execution of work, <1 non-explosive related Class D, accidents, or <2 non-explosive Class C accidents IAW AR 385-40. Major safety violations, 1 non-explosive related safety violation. Minor safety violations, 2 safety violations. Zero letters of reprimand, grievances, or formal complaints.

Measurement / Monitoring: Period inspection/review of field work. Verify compliance with accepted WP, UFP-QAPP , Dive Plan and ESP . Quality control tests/documentation submitted per the QASP for government review. Additionally, statistical confidence will be calculated using the Visual Sampling Plan software or other approved statistical method. Boundary precision will be determined by evaluation of the sampling footprint as it relates to the reported contaminated/uncontaminated areas in question. Anomaly density profile and other remediation cost driver precision will be verified by QA of methods used.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements:

- Restore all areas to their original condition; all access/excavation/detonation holes shall be backfilled.
- Maintain a detailed accounting of all UXO, DMM, MD and range-related debris encountered per DID WERS-004.01. This accounting shall include: amounts of UXO, DMM and MD; nomenclature; location and depth of UXO/DMM; location of MD; and final disposition. The accounting system shall also account for all demolition materials utilized on site. Digital photographs of UXO and DMM and examples of MD found during the investigation are to be taken.
- All UXO, DMM and MC encountered during this munitions response shall be processed in accordance with the approved work and safety plans.
- The contractor is responsible for evacuations.

3.4.8 Task 4p, Evacuations: This is a Cost Plus Fixed Fee task.

Objective: Provide support for evacuation of residences displaced due to intrusive investigation exclusion zones.

Performance Standard: Support evacuation of residences in an efficient and timely manner so as not to cause delays in schedule and complains from the residences.

AC: Necessary voluntary evacuations accomplished in a courteous and professional manner with no contract a fault delay to project schedule.

Measurement / Monitoring: Government monitoring of evacuations, receipt of complaints from the public, unsolicited commendations.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating.

Specific Task requirements: *The Contractor shall provide Bi-lingual support, English and Spanish on-site during field activities.* The Contractor shall provide printing services and distribution of door hangers for evacuation reminders. The Contractor shall provide logistics for Hospitality Area (HosA), transportation to the HosA and support evacuation requirements; food and drink. The Contractor shall arrange for kenneling as necessary. The Contractor shall provide additional services for evacuation, as required, by the District. The following shall be used for price of evacuation:

- Sleeping Rooms \$77 at Government Per Diem
- Hospitality Suite \$175 plus taxes and gratuity per day of evacuations
- Food \$15 per person per day
- Transportation \$50 round trip per car load once per week of fieldwork
- Pet Boarding \$40 per pet per day

3.5 Task 5, Remedial Investigation (RI) Report:

Objective: Prepare, submit and gain acceptance of a RI report in accordance with EM CX Interim Guidance 06-04 and EPA Guidance.

Performance Standard: The RI report shall document the result of the RI and be in accordance with EP 1110-1-18, EM CX Interim Guidance 06-04 and EPA guidance.

AC: Acceptance of RI with two revisions.

Measurement / Monitoring: Review of RI against guidance to verify that the minimum acceptable content has been provided.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements:

- Prepare, submit and gain acceptance of a RI report in accordance with EP 1110-1-18 EM-CX Interim Guidance 06-04, and EPA guidance.
- Use EPA MEC Hazard Assessment, not Ordnance and Explosives Risk Impact Assessment.
- Incorporate all RI data and data from previous investigations, historical documents, PA/SI into this RI.
- Recommend changes in realignment of MRS dependent on RI finding.
- Prepare, as an appendix to this report, a new or update Munitions Response Site Prioritization Protocol (MRSPP) for each MRS dependent upon RI findings using the MRSPP worksheets, <http://www.lab-data.com/MRSPP/>.

3.6 Task 6, Feasibility Study (FS) and Report: This task is a Firm Fixed Price task.

Objective: Conduct a feasibility study and prepare, submit and gain acceptance of a FS report in accordance with EM CX Interim Guidance 06-04.

Performance Standard: The FS report shall document the result of the feasibility study and be in accordance with EP 1110-1-18, EM CX Interim Guidance 06-04 and EPA guidance.

AC: Acceptance of FS with two revisions.

Measurement / Monitoring: Review of FS against guidance to verify that the minimum acceptable content has been provided.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: None.

3.7 Task 7, Proposed Plan: This task is a Firm Fixed Price task.

Objective: Prepare, submit and gain acceptance of a Proposed Plan (PP).

Performance Standard: Prepare the PP in accordance with CERCLA, ER 200-3-1, EP 1110-1-18 and EM-CX Interim Guidance 06-04.

AC: Acceptance of PP with two revisions.

Measurement / Monitoring: Review of PP against guidance to verify that the minimum acceptable content has been provided.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: After government & regulator review, the revised draft-final version of the Proposed Plan will be subject to a minimum 30-day public review. A public meeting shall be held to present the Proposed Plan to the public. This public meeting falls under Task 9, Community Relations Support.

3.8 Task 8, Decision Document: This task is a Firm Fixed Price task.

Objective: Prepare, submit and gain acceptance of a Decision Document (DD) for each MRS identified.

Performance Standard: Prepare the DDs in accordance with CERCLA, ER 200-3-1, EP 11101-1-18 and Appendix C, herein.

AQL: Acceptance of DDs with two revisions.

Measurement / Monitoring: Review of DD against guidance to verify that the minimum acceptable content has been provided.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: PWS Appendix C provides new formatting requirements for the Decision Document. For formatting of Decision Documents, Attachment C supersedes MM CX Interim Guidance 06-04.

3.9 Task 9, Community Relations Support: This task is a Firm Fixed Price/Unit Price, task.

Objective: Successfully complete public meetings and support the Savannah District with community relations.

Performance Standard: Contractor attends and participates in meetings. Meeting transcripts PP meeting are accurate. Meeting materials are accepted by the government as required.

AC: Acceptance of meeting materials with two revisions. Acceptance of PP meeting transcripts in one revision. Meetings held are organized; and professional in nature. Personnel are thoroughly familiar with the project. Zero letters of reprimand, grievances, or formal complaints

Measurement / Monitoring: Review of required materials for meetings. Government will attend and evaluate contractor's attendance, participation and professional demeanor.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating.

Specific Task Requirements: The Contractor shall attend and participate in Three (3) public meetings. These meetings are different and in addition to TPP meetings. These meetings will be held in Spartanburg, SC. The support shall include, but is not limited to: preparation and delivery of briefings, graphics, maps, posters, and support of question and answer sessions. The Contractor shall also obtain the meeting site, perform public notification and prepare any correspondence necessary to meeting the objectives of this task. The government shall approve all correspondence, public notices and all other materials prior to being presented/distributed to the public. These actions are independent of the field activities that involve interaction with the community. The meeting for the Proposed Plan shall be covered under this task. Transcripts of the public meeting for the Proposed Plan shall be prepared and submitted with the Final Proposed Plan.

3.10 Task 10, Public Involvement Plan (PIP): This task is a Firm Fixed Price task.

Objective: Update, submit and gain acceptance of a PIP in accordance with EP 1110-3-8, ER 200-3-1, EM-CX Interim Guidance 06-04, guidance provided in the FUDS Public Involvement Toolkit and DENIX website.

Performance Standard: Prepare the PIP in accordance with EP 1110-3-8, ER 200-3-1, EM-CX Interim Guidance 06-04, guidance provided in the FUDS Public Involvement Toolkit and DENIX website.

AQL: Acceptance of PIP with two revisions.

Measurement / Monitoring: Review of PIP against guidance to verify that the minimum acceptable content has been provided.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: None.

3.11 Task 11, Administrative Record: This task is a Firm Fixed Price task.

Objective: Maintain the Administrative Record for each MRS throughout the period of performance of this Task Order.

Performance Standard: Prepare in accordance with the guidance in EP 1110-3-8, Chapter 4 (Establishing and Maintaining Administrative Records) and Standard Operating Procedure for Formerly Used Defense Sites (FUDS) Records Management, Revision 5, dated January 2008 (or most recent version).

AC: Administrative record will be evaluated against guidance for compliance with requirements, accuracy and completeness of the record, with up to one uncorrected deficiencies remaining during the period of performance.

Measurement / Monitoring: The government will visit, at least once, the administrative record's location and check for completeness and compliance with referenced EP; electronic submissions will be evaluated randomly upon receipt as data is entered into the record.

Task specific Incentives/Disincentives: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Specific Task Requirements: Secure a location such as a public library for a place to house the Administrative Record in the local city or community of each MRS. This task requires close coordination with the Savannah District (CESAS) and USAESCH to secure all required documents to support the Administrative Record. Provide copies of all final documents posted to the Administrative Record on CD/DVD to USAESCH and Savannah, 2 copies each. These files shall be suitable for placement on the PIRS web site.

3.12 Task 12, Environmental Sampling & Analysis: This task is a Firm Fixed Price/Unit Price, task Objective: Collect sufficient data that meets the project DQOs as defined during the TPP process, of known quality and quantity to determine the nature and extent of munitions constituents (MC) to support and perform a human health and ecological baseline risk assessment.

3.12.1 Task 12a, Gas Chambers, FUDS Project No. I04SC0016-03R01. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.2 Task 12b, Grenade Court, FUDS Project No. I04SC0016-03R02. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.3 Task 12c, Range Complex (Land), FUDS Project No. I04SC0016-03R03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.4 Task 12d, Optional, Range Complex (Lake Craig and Lake Johnson), FUDS Project No. I04SC0016-03R03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.5 Task 12e, Optional, Area of Potential Interest 3, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.6 Task 12f, Optional, Area of Potential Interest 5, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.7 Task 12g, Optional, Area of Potential Interest 8, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.8 Task 12h, Optional, Area of Potential Interest 9E, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.9 Task 12i, Optional, Area of Potential Interest 9G, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.10 Task 12j, Optional, Area of Potential Interest 10A, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.11 Task 12k, Optional, Area of Potential Interest 10B, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.12 Task 12l, Optional, Area of Potential Interest 11B, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.13 Task 12m, Optional, Area of Potential Interest 11C, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

3.12.14 Task 12n, Optional, Area of Potential Interest 11D, FUDS Project No. I04SC0016-03. Refer to historical project documentation of site location, historical information, and boundaries.

Performance Standard: Perform field activities in accordance with the Work Plan and UFP-QAPP. MC analyses shall be performed in accordance with the requirements of the Department of Defense (DoD) Quality Assurance Manual (QAM), WERS-009.01 Munitions Constituents Chemical Data Quality Deliverables, and the approved project specific UFP-QAPP. The ecological and human health risk assessment shall be performed in accordance with the EPA Risk Assessment Guidance (RAGS) and USACE EM 200-1-4, Volumes I and II.

AC: Sampling field work and data meets established criteria within the accepted Uniform Federal UFP-QAPP, SAP, and Work Plan.

Measurement / Monitoring: Periodic inspection/review of field work, and data. Verify compliance with accepted WP, UFP-QAPP and ESP. Quality control tests/documentation submitted per the QASP for government review.

Incentive/Disincentive: Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

Task Specific Requirements: The contractor shall propose on the sampling rationale, and methods that will be utilized to ensure that data generated are of an acceptable quality for its intended use, propose a phased approach and address contaminants of interest and all sample media (soil/groundwater/sediment/surface water).. The contractor shall also propose on the quantity, quality and the methods used to verify adherence to the PARCCS parameters for sample collection, handling, laboratory analysis, verification and validation. Any deviations from the accepted SAP shall be documented in the Daily Quality Control Reports (DQCR) and conveyed to USAESCH personnel immediately. The contractor will provide an independent laboratory to analyze QA samples separate from the contractor's primary laboratory.

4.0 Submittals.

Even though draft and draft final submittals are requested, the term "draft" shall not reflect upon the quality of the submittal being provided by the Contractor. Submittals shall include all supporting materials including supporting data whether electronic or hardcopy. Submittals not meeting the requirements of referenced guidance or Data Item Descriptions or missing supporting data may be rejected and revised by the contractor at the contractor's own expense.

4.1 The Contractor shall deliver the specified number of copies shown in Table 4.2 of each report listed in Table 4-1 to the following addressees (addresses to be verified by Contractor):

US Army Engineering & Support Center, Huntsville
Attn: CEHNC-CT-E (Lydia Tadesse)
PO Box 1600
Huntsville, AL 35807-4301
4820 University Square
Huntsville, AL 35816-1822

US Army Engineering & Support Center, Huntsville
Attn: CEHNC (Spencer O'Neal) (COR)
PO Box 1600
Huntsville, AL 35807-4301
4820 University Square

Huntsville, AL 35816-1822

US Army Engineering & Support Center, Huntsville
Attn: CEHNC-OE-DC, Spencer O'Neal (PM)
PO Box 1600
Huntsville, AL 35807-4301
4820 University Square
Huntsville, AL 35816-1822

Commander
U.S. Army of Corps of Engineers, Savannah District
Attn: CE-SAC (Shawn Boone) (PM)
100 W. Oglethorpe Ave.
PO Box 899
Savannah, GA 31402-0889

Contractor to obtain and/or verify addresses.

4.2 Submittals and Due Dates.

The Contractor shall submit 1 copy of the entire submittal on a CD with each hard copy of a submittal (Reports, Plans, etc) in accordance with DID WERS-007.01. Hardcopies shall be printed on both sides of the paper whenever possible.

Table 4-1 List of Submittals

Submittal	Due Date (Calendar Days)
Meeting minutes for Kickoff phone conference	7 days after Kickoff phone conference
Proposed Schedule	7 days after kickoff conference call
Pre-TPP Meeting Materials	14 Days prior to TPP meetings
Conceptual Site Model (CSM)	With Pre-TPP materials
AAPP	7 days prior to site visit
Draft TPP Memorandum	14 days after first TPP meeting
Final TPP Memorandum	7 days after receipt of comments
Draft TPP Memorandum Addendum	7 days after second TPP meeting
Final TPP Memorandum Addendum	7 days after receipt of comments
Draft TPP Memorandum Addendum	7 days after third TPP meeting
Final TPP Memorandum Addendum	7 days after receipt of comments
Draft Public Involvement Plan	TBD
Draft-Final Public Involvement Plan	14 days after receipt of comments
Final Public Involvement Plan	7 days after receipt of comments
Pre-Public Meeting Materials	14 Days prior to public meetings
Final Public Meeting Materials	no later than day of Meeting
Draft Work Plan and Draft QASP	21 days after acceptance of TPP memorandum
Draft Final Work Plan	14 days after receipt of comments
Final Work Plan	14 days after receipt of comments and TPP meeting
Quality Control Documents	As required by Regulation, guidance, DIDs, QCP, QASP, or agreed to in project schedule, to include the following:
Daily QC Report for Environmental Sampling	Daily during Sampling Activities
Analytical Data Submittal for QA Evaluation	30-45 days after completion of fieldwork
Electronic Laboratory Data Submittal	45-60 days after completion of fieldwork
Draft RI Report	60-81 days after completion of field work
Draft Final RI Report	21 days after receipt of comments
Final RI Report	14 days after receipt of comments and TPP meeting
Draft FS Report	21 days after of acceptance of the RI Report
Draft Final FS Report	14 days after receipt of comments
Final FS Report	14 days after on board Review
Draft Proposed Plan	14 days after of acceptance of the FS Report

Draft Final Proposed Plan	14 days after receipt of comments
Final Proposed Plan	14 days after PP public meeting
PP Meeting Transcripts	with final Proposed Plan
Responsiveness Summary	with Decision Document Submittals
Draft Decision Document	14 days after acceptance of Proposed Plan
Draft Final Decision Document	7 days after receipt of comments
Final Decision Document	7 days after receipt of comments
Final Administrative Record (On CD/DVD)	Upon completion of the Record
Final GIS Files on CD	End of Project

4.3 Submittal Quantities

Provide the number of submittals shown in Table 4-2 to the addressees given in Section 4.2. No draft documents shall be released to the regulatory community until reviewed by the government.

Table 4-2 Submittal Guidance

	Draft Documents	Draft Final/Final Documents
KO/COR	1 each	1 each
USAESCH	4	4
Savannah	6	6

4.4 Period of Performance: The Completion Date for this Task Order is January 31, 2013.

5.0 Milestone Payments for firm fixed price tasks: Milestones will be considered met or completed when the required QC documentation has been submitted, QA completed and the submittal and/or product is accepted. Any payment vouchers submitted that do not coincide with the final accepted milestones or do not have the appropriate QC documentation will be rejected. All payments will be made utilizing an agreed upon Payment Milestone Schedule. The Contractor shall provide suggested milestones for payment. Milestones for payment shall be shown on the project schedule.

5.1 The following is a list of potential milestones for payment:

- Final Submittals: upon government acceptance, for example: Final WP
- Field Work: for defined units and activities completed and QA review and acceptance, for example: Final QC density data package.
- Meetings: after completion of meetings with government acceptance of meeting minutes, for example: Final PP meeting minutes.

6.0 REFERENCES:

6.1 Refer to “Base Contract.”

6.2 Data Items Descriptions at the following website:

<http://www.hnd.usace.army.mil/engr/WERS.aspx> .

7.0 GENERAL CONDITIONS: See the Base Contract Section C, Section 10 General Conditions and the following addendums:

7.1 This is a performance based task order. The inclusion of unit prices in the proposal shall in no way be construed to mean that the Government is procuring a specified number of units of any given service.

7.2 Government acceptance of the proposed technical approach and/or price does not relieve the Contractor from full responsibility for the viability, productivity, and efficiency of the approach used to meet the performance requirements of the PWS at the price proposed. The task order is for the provision of services that ultimately meet the performance

requirements of this task. If the contractor must adjust its technical approach or perform more field work than anticipated in order to achieve the proposed performance goal then the contractor will do so with no change in task order price.

7.3 If the Government at its sole discretion chooses to modify the performance standard the parties to this task order will assess the impact on the estimated amount of field work required to achieve the new performance standards and will negotiate a price adjustment based upon the unit prices providing as price proposal supporting documentation (See Attachment D).

7.4 The Contractor attests that it applied due diligence in the research and development of its proposal has priced reasonable estimates of the site conditions and the associated risks into the price. The Contractor accepts full and sole responsibility for identifying and considering all factors that may affect the cost to execute the work. The act of signing this task order signifies that the Contractor has been given ample opportunity to assess the conditions under which the work will be performed and the Contractor either fully understands those conditions or has factored the risk into the price.

7.5 The Government provided the Contractor with historical documents and documents from previous site activities. The Contractor attests it interpreted the data utilizing an experienced understanding of how the data of this type is collected, analyzed, interpreted, and presented.

8.0 ARMY CONTRACTOR MANPOWER REPORTING

8.1 Implementation.

8.1.1 The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor will report contractor manpower information (including subcontractor manpower information) required for performance of this contract. The contractor shall submit all the information required in the format specified at the following web address: <https://cmra.army.mil/default.aspx>

8.1.2 The Contractors shall fill in the required information on the website, fields are shown below:

- Contract Number
- Delivery Order Number (if applicable)
- Task Order Number (if applicable)
- Requiring Activity Unit Identification Code (UIC)
- Command
- Contractor Contact Information
- Federal Service Code (FSC)
- Direct Labor Hours
- Direct Labor Dollars
- Location Information (where contractor and subcontractors (if applicable) performed the services)

8.1.3 Reporting period will be the period of performance not to exceed 12 months ending September 30 of each government fiscal year and must be reported by 15 October of each calendar year.

8.1.4 If your particular contract crosses fiscal years, 2 entries must be made to capture the data for the contract period; for example if the contract start date is 1 January 2007 and ends 31 December 2007, the data for the period from 1 January 2007 through 30 September 2007 shall be entered not later than 15 October 2007 and the period 1 October 2007 through 31 December 2007 shall be entered not later than 15 January 2008.

**Attachment A
Performance Requirements Summary:**

A.1 The Contractor shall meet the following performance requirements. Performance requirements are addressed in each task and summarized in the following Performance Requirements Summary. If discrepancies or ambiguity exists between the documents, the order of precedence is 1) the Task; 2) Performance Requirements Summary; 3) Performance Metrics

Table A-1 Performance Requirements Summary

Task Application	Objective	Performance Standard	Minimum Acceptable Criteria	Measurement / Monitoring	Incentive/ Disincentive
1	Implement the four-phase TPP process in accordance with EM 200-1-2, EM 1110-1-4009 and applicable Interim Guidance Documents.	Achieve the objectives of each TPP phase as listed in EM 200-1-2, EM 1110-1-4009 and applicable Interim Guidance Documents. Facilitate meetings in a professional and organized manner.	Acceptance of TPP documents (meeting presentations, agenda, handouts, CSM and memorandums) with up to one (1) revision. Meetings held are organized; accomplish requirements of the TPP process; and professional in nature. Zero letters of reprimand, grievances, or formal complaints.	TPP checklist for each phase as provided in the guidance will be used to measure and document successful progress; guidance cited will be used to evaluate content of documents for acceptance / non-acceptance. Government will attend and evaluate organization and facilitation of the meetings, and professional nature of the meetings.	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.
2	Prepare, submit and gain acceptance of a WP, munitions constituent (MC) UFP-QAPP and QASP that are detailed and comprehensive plans covering all aspects of site characterization, risk assessment methodology, and project execution.	Prepare the WP in accordance with DID WERS-001 and EM 1110-1-4009, EM 385-1-1, and EP 75-1-3 as appropriate. Prepare the sampling and analysis plan, field sampling, and UFP-QAPP in accordance with EM 1110-1-4009, DID WERS-009.01, and Uniform Federal Policy for Quality Assurance Project Plans (UFP-QAPP), as appropriate. UFP-QAPP content shall also meet the requirements of DoD Quality Systems Manual for Environmental	Acceptance of WP and UFP-QAPP with two revisions. Draft QASP reflects requirements and QCP with one revision required.	Review of WP, UFP-QAPP and QASP per guidance to verify that the minimum acceptable content has been provided.	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense

		Laboratories (current version).			
2a	Prepare, submit and gain acceptance of an Explosives Siting Plan	Prepare required submission in accordance with DoD 6055.09-Std, Chapter 12, Paragraph 12.5, EM 385-1-97, Errata Sheet #3, and DID WERS-003 as a stand alone document for inclusion after acceptance into the WP.	Acceptance of submission with two revisions.	Review by Government using guidance cited to determine acceptability.	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense
2b	Prepare, submit and gain acceptance of a Dive Plan.	Prepare, submit and gain acceptance of a Dive Plan that is a detailed and comprehensive plan covering all aspects of dive operations in accordance with EM 385-1-1.	Acceptance of submission with two revisions.	Review by Government using guidance cited to determine acceptability.	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.
3	Utilize GIS in the development of the Conceptual Site Model (CSM) and maintain and manage all project and geospatial data.	Manage and maintain project data, and develop CSM in GIS IAW DID WERS-007.01, EM 200-1-2, EM 1110-1-4009 and applicable Interim Guidance Documents.	Acceptance of CSM, and GeoSpatial Data submissions meet quality and formatting requirements.	Review by Government using guidance cited to determine acceptability.	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.
4	Contractor shall conduct a remedial investigation in accordance with CERCLA characterizing the nature and extent of MEC contamination at the required munitions response sites (MRS) meeting the project DQOs as defined during the TPP process.	Provide data and analysis that demonstrates proposed and accepted statistical confidence and accuracy levels have been met and that all MEC contaminated areas have been identified. Additionally: - Perform the RI field activities in accordance with the accepted Work Plan and UFP-QAPP. - Proper processing and disposition of UXO, DMM and MC encountered in accordance with - All Material	Conduct the RI in accordance with the accepted/approved WP, UFP-QAPP, and ESP. QC data submitted meets requirement described in DID WERS-004.01. No unresolved Corrective action requests. All final data and QC tests/documentation submitted. Government QA acceptance QC tests/documentation gained. No Class "A" Safety, contractor at fault, violations during execution of work,	Period inspection/review of field work. Compliance with approved WP, UFP-QAPP and ESP. Quality control tests/documentation submitted per the QASP for government review. Additionally, Statistical Confidence will be calculated using the Visual Sampling Plan software or other approved statistical method. Boundary	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

		<p>Potentially Presenting an Explosive Hazard (MPPEH) and munitions debris processed in accordance with Chapter 14, EM 1110-1-4009 and Errata Sheet No. 2.</p> <ul style="list-style-type: none"> - Meet the project DQOs as defined by the TPP process. - Restore all areas to their original condition; all access/excavation/detonation holes shall be backfilled. - All geophysics shall be IAW DID WERS-004.01. For this task order 1 acre of transects equals 14,520 lf (2.75 miles) of transects 3 feet wide. One acre's worth of grids equals seventeen (17) 2500 sf grids or four (4) 10,000 sf grids. approved plan(s). 	<p><1 non-explosive related Class D, accidents, or <2 non-explosive Class C accidents IAW AR 385-40. Major safety violations, 1 non-explosive related safety violation. Minor safety violations, 2 safety violations. Zero letters of reprimand, grievances, or formal complaints.</p>	<p>precision will be determined by evaluation of the sampling footprint as it relates to the reported contaminated/uncontaminated areas in question. Anomaly density profile and other remediation cost driver precision will be verified by QA of methods used.</p>	
5	<p>Prepare, submit and gain acceptance of a RI report in accordance with EM CX Interim Guidance 06-04 and EPA Guidance.</p>	<p>The RI report shall document the result of the RI and be in accordance with EP 1110-1-18, EM CX Interim Guidance 06-04 and EPA guidance.</p>	<p>Review of FS against guidance to verify that the minimum acceptable content has been provided.</p>	<p>Review of RI against guidance to verify that the minimum acceptable content has been provided.</p>	<p>Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.</p>
6	<p>Conduct a feasibility study and prepare, submit and gain acceptance of a FS report in accordance with EM CX Interim Guidance 06-04.</p>	<p>The FS report shall document the result of the feasibility study and be in accordance with EP 1110-1-18, EM CX Interim Guidance 06-04 and EPA guidance.</p>	<p>Acceptance of FS with two revisions.</p>	<p>Review of FS against guidance to verify that the minimum acceptable content has been provided.</p>	<p>Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.</p>
7	<p>Prepare, submit and gain acceptance of a PP.</p>	<p>Prepare the PP in accordance with CERCLA, ER 200-3-1, EP 1110-1-18 and</p>	<p>Acceptance of PP with two revisions.</p>	<p>Review of PP against guidance to verify that the minimum</p>	<p>Satisfactory or greater CPARS rating/poor CPARS rating and/or re-</p>

		EM-CX Interim Guidance 06-04.		acceptable content has been provided.	performance of work at contractor's expense.
8	Prepare, submit and gain acceptance of a Decision Document (DD) for each MRS identified.	Prepare the DDs in accordance with CERCLA, ER 200-3-1, EP 11101-1-18 and Appendix C, herein.	Acceptance of DDs with two revisions.	Review of DD against guidance to verify that the minimum acceptable content has been provided.	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.
9	Support Jacksonville District with community relations, as needed.	Contractor attends and participates in meetings. Meeting transcripts are accurate. Meeting materials are accepted by the government and bilingual as required.	Acceptance of meeting materials with two revisions. Acceptance of transcripts in one revision. Contractor attendance and participation are provided in a professional manner. Personnel are thoroughly familiar with the project. Zero letters of reprimand, grievances, or formal complaints.	Acceptance of required materials for meetings. Government will attend and evaluate contractor's attendance, participation and professional demeanor.	Satisfactory or greater CPARS rating/poor CPARS rating.
10	Prepare, submit and gain acceptance of a PIP in accordance with EP 1110-3-8, ER 200-3-1, EM-CX Interim Guidance 06-04, guidance provided in the FUDS Public Involvement Toolkit and DENIX website.	Prepare the PIP in accordance with EP 1110-3-8, ER 200-3-1, EM-CX Interim Guidance 06-04, guidance provided in the FUDS Public Involvement Toolkit and DENIX website.	Acceptance of PIP with two revisions.	Review of PIP against guidance to verify that the minimum acceptable content has been provided.	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.
11	Establish and maintain Administrative Record	Prepare in accordance with the guidance in EP 1110-3-8, Chapter 4 (Establishing and Maintaining Administrative Records) and	Administrative record will be evaluated against guidance for compliance with requirements, accuracy and completeness of the record, with up to 1	The government will visit, at least once, the administrative record's location and check for completeness and compliance with	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

		Standard Operating Procedure for Formerly Used Defense Sites (FUDS) Records Management, Revision 5, dated January 2008 (or most recent version).	uncorrected deficiencies remaining during the period of performance.	referenced EP; electronic submissions will be evaluated randomly upon receipt as data is entered into the record.	
12	Collect data that meets the project DQOs as defined during the TPP process, of known quality and quantity, to determine the nature and extent of munitions constituents (MC) and perform a human health and ecological risk assessment.	Perform field activities in accordance with the Work Plan and UFP-QAPP. MC analyses shall be performed in accordance with the requirements of the Department of Defense (DoD) Quality Assurance Manual (QAM), WERS-009.01 Munitions Constituents Chemical Data Quality Deliverables, and the approved project specific UFP-QAPP. The ecological and human health risk assessment shall be performed in accordance with the EPA Risk Assessment Guidance (RAGS) and USACE EM 200-1-4, Volumes I and II.	Sampling field work and data meets established criteria within the accepted UFP-QAPP, SAP, and Work Plan.	Period inspection/review of field work, and data. Compliance with accepted WP, UFP-QAPP and ESP. Additionally, statistical confidence will be calculated using the Visual Sampling Plan software or other approved statistical method. Quality control tests/documentation submitted per the QASP for government review.	Satisfactory or greater CPARS rating/poor CPARS rating and/or re-performance of work at contractor's expense.

**Attachment B
PERFORMANCE METRICS**

B.1 Performance Metrics for Performance Assessment Record (PAR)

	Exceptional	Very Good	Satisfactory	Marginal	Unsatisfactory
PAR Category: Quality of Product or Service					
<i>Performance indicator: Document reviews</i>					
<i>Draft</i> Plans, Reports, and documents [Plans, documents and reports are considered draft until accepted as final by the Government]	All contract-milestone documents accepted as submitted	No substantive comments (i.e. limited to grammar, spelling, terminology) to any of the documents, but a few exceptions were noted and corrected	Contractor met Acceptance Criteria	One or more documents required revisions to be resubmitted for approval prior to proceeding. Two backchecks were required on one or more documents before original comments were resolved satisfactorily.	One or more documents did not comply with contract requirements, or one or more documents required more than two backchecks before original comments were resolved satisfactorily, or more than one document was rejected.
<i>Performance indicator: Project Execution</i>					
Process Compliance	Zero Corrective Action Requests (CAR) or 948s	{1-2} CARs/948s for non-critical violations to WP requirements	Contractor met Acceptance Criteria	{5-6} CARs/948s for non-critical violations and/or {2} CARs/948 for critical violations	{>6} CARs for non-critical violations and/or {>2} CARs/948s for critical violations, or any unresolved CARs
Project Execution	Zero letters of reprimand, grievances, or formal complaints AND one or more unsolicited letters of commendation		Contractor met Acceptance Criteria	{One} letter of reprimand, grievance or formal complaint that was resolved through negotiation	More than {one} letter of reprimand, grievance or formal complaint that were resolved through negotiation
Task Completion			Contractor met Acceptance Criteria		Final data and QC documentation submitted but not accepted
PAR Category: Schedule					
<i>Performance indicator: Timely completion of tasks</i>					
<i>Final</i> Plans and Reports, project milestones, T.O. invoices	All document submittals and task order milestones and invoices	Project closed out/final invoice accepted ahead of schedule	Project closed out/final invoice accepted on T.O. date	Project closed out/final invoice accepted within 30 calendar days after T.O. date.	Project closed out/final invoice accepted more than 30

	Exceptional	Very Good	Satisfactory	Marginal	Unsatisfactory
	complete and accepted by T.O date, project closed out/final invoice approved ahead of schedule				calendar days after T.O. date.
Project status reports accurate			Yes		No
Performance indicator: Impacts to schedule					
Impacts caused by Contractor or other causes identified, in writing to HNC CO/ PM, in a timely manner to apply acceptable corrective actions.			Yes		No
PAR Category: Cost Control (Not Applicable for Firm Fixed Price)					
Performance indicator: No unauthorized cost overruns					
Unauthorized cost overruns			No		Yes
Total Project Costs	Total contract invoices less than 98% of T.O. authorized amount	Total contract invoices greater than 98% but less than 99.99% of T.O. authorized amount	Total contract invoices between 99.99% and 100% of T.O. authorized amount	Total contract invoices greater than 100% but less than 105% of T.O. authorized amount	Total contract invoices greater than or equal to 105% of T.O. authorized amount
Performance indicator: Monthly cost report					
Monthly cost reports accurate			Yes		No
Performance indicator: Impacts to cost					
Impacts caused by Contractor or other causes identified, in writing to HNC CO/PM, in a timely manner to apply acceptable corrective actions.			Yes		No
PAR Category: Business Relations					
Performance indicator: Met contractual obligations					
Corrective Actions taken were timely and effective (Refer to CARs issued to Contractor)			Yes		No
Performance indicator: Professional and Ethical Conduct					
Meetings and correspondences	Zero letters of reprimand,		Contractor met Acceptance	One letter of reprimand,	More than one letter of

	Exceptional	Very Good	Satisfactory	Marginal	Unsatisfactory
with Public, project delivery team and other stakeholders	grievances, or formal complaints AND one or more unsolicited letters of commendation		Criteria	grievance or formal complaint that was resolved through negotiation	reprimand, grievance or formal complaint that were resolved through negotiation OR removal of one or more project personnel as a results of a letter of reprimand, grievance or formal complaint.
<i>Performance indicator: Customer has overall satisfaction with work performed</i>					
Customer survey results for rating period	4.0-5.0	3.0-3.9	2.0-2.9	1.0-1.9	<1.0
<i>Performance indicator: Personnel responsive and cooperative</i>					
Key personnel responsive, and cooperative	Always		Most Times		Almost Never
PAR Category: Management of Key Personnel and Resources					
<i>Performance indicator: Personnel knowledgeable and effective in their areas of responsibility</i>					
Personnel assigned to tasks	All personnel proposed by Contractor were assigned to project, some personnel were substituted by higher qualified individuals.		All personnel proposed by Contractor were assigned to project, some personnel were substituted by equally qualified individuals.	All personnel proposed by Contractor were assigned to project, some personnel were substituted by equally qualified individuals, Letter of reprimand received for personnel conduct from HNC.	All personnel proposed by Contractor were assigned to project, some personnel were substituted by lesser qualified individuals or HNC requested, in writing, removal of assigned personnel for poor performance.
<i>Performance indicator: Personnel able to manage resources efficiently</i>					
Instances when resource management had negative impact on project execution	0	1-2	3-4	5-6	>6
PAR Category: Safety					
<i>Performance indicator: Accidents and Violations</i>					
*No Class A Accidents, Contractor at fault	0 No class A accidents IAW AR 385-10	No class A accidents IAW AR 385-10	Contractor met Acceptance Criteria	{<2} non-explosive related Class C accidents, or {1} non-explosive	{1} Any Class A accident IAW AR-385-10, or Any explosive

	Exceptional	Very Good	Satisfactory	Marginal	Unsatisfactory
*Major safety violations	0 accidents/injuries No safety violations	0 accidents/injuries No safety violations		Class B accident, IAW AR 385-10 {2} non-explosive safety violations.	related accident. {>1} any violation of procedures for handling, storage, transportation, or use of explosives IAW the WP, and all Federal, State and local laws/ordinances
*Minor safety violations	No safety violations	1 safety violation		{3} safety violations	{>3} safety violations

Classes of Accidents:

- **Class A:** Fatality or permanent total disability (Government Civilian, Military Personnel, and/or Contractor), or >\$2,000,000 property damage.

- **Class B:** Permanent partial disability or inpatient hospitalization of 3 or more persons (Government Civilian, Military Personnel, and/or Contractor), \$500,000 < \$2,000,000 property damage.

- **Class C:** Lost Workday (Contractor) or Lost Time (Government Civilians), \$50,000 < \$500,000 property damage.

- **Class D:** \$2000 < \$50,000 property damage.

* From Section C of Solicitation Number W912DY-08-R-0016, Amendment 0007 (may be included but are not limited to these).

The following guidelines are provided for issuing ratings that are subjective in nature, these ratings will be supported by the weight of evidence documented during the government's surveillance efforts:

Exceptional: Performance *meets* contractual requirements and *exceeds many* to the Government's benefit. The contractual performance of the element or sub-element being assessed was accomplished with *few minor problems* for which corrective actions taken by the Contractor were *highly effective*.

Very Good: Performance *meets* contractual requirements and *exceeds some* to the Government's benefit. The contractual performance of the element or sub-element being assessed was accomplished with *some minor problems* for which corrective actions taken by the Contractor were *effective*.

Satisfactory: Performance *meets* contractual requirements. The contractual performance of the element or sub-element contains *some minor problems* for which corrective actions taken by the Contractor *appear or were satisfactory*.

Marginal: Performance *does not meet all* contractual requirements. The contractual performance of the element or sub-element being assessed reflects a *serious problem* for which the Contractor has *not yet identified corrective actions*. The Contractor's proposed actions appear only *marginally effective or were not fully implemented*.

Unsatisfactory: Performance *does not meet most* contractual requirements and *recovery is not likely* in a timely manner. The contractual performance of the element or sub-element contains *serious problems* for which the Contractor's corrective actions *appear or were ineffective*

Attachment C

1. REQUIREMENTS AND PROCEDURES:

- a. This interim guidance provides specific requirements for MMRP Decision Documents.
- b. Format and content of ALL MMRP decision documents and action memoranda, regardless of signature authority shall be in accordance with Section 2. Each document will contain:
 - (1) A title page,
 - (2) A table of contents,
 - (3) Page numbers on each page indicating page number and total number of pages in the document, e.g., “1 of 25”.
 - (4) Header in the upper right-hand corner of each page including; document type (“Decision Document”, “Time Critical Removal Actions (TCRA) Action Memorandum”, or “Non-time Critical Removal Action (TCRA) Action Memorandum”), project name (“Sitka Naval Operating Base”), project location (“Sitka, Alaska”), and project number to include MRS number.
- c. All decision documents or action memoranda, regardless of level of signature authority, will be accompanied by an Executive Summary that for Headquarters (HQ). USACE will forward to ACSIM-ISE and DASA (ESOH). The Executive Summary shall be kept to a single page, whenever possible, and will include:
 - (1) Title, including project name and project number, date DD (or AM) was signed and by whom,
 - (2) Brief description of the Munitions Response Sites (MRS), covered by the decision,
 - (3) Brief description of selected response action and its relationship to other cleanup actions,
 - (4) Degree of risk reduction,
 - (5) Present worth cost of selected response action, and the contribution to the cost-to-complete of all remedies for the FUDS Property,
 - (6) Amounts and fiscal year(s) that funds are required for remedial/removal action design and construction,
 - (7) Duration of any remedial action-operation (RA-O), removal action construction (RmA-C) and/or Long Term Monitoring (LTM) actions,
 - (8) Land use controls (LUC) required and means of maintaining them,
 - (9) Other potential response actions considered, and
 - (10) Expected result of the action.

2.0 CONTENT

Remedial Action Decision Document
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Remedial Action Decision Document Outline

PART 1: THE DECLARATION

The Declaration functions as the abstract and formal authorizing signature page for the DD.

1. PROJECT NAME AND LOCATION.

2. STATEMENT OF BASIS AND PURPOSE.

 Certify the factual and legal basis for the Selected Remedy.

3. ASSESSMENT OF PROJECT MRS.

 Certify that the MRS poses a threat to public health, welfare, or the environment.

4. DESCRIPTION OF SELECTED REMEDY.

 a. Describe the major components of the Selected Remedy in a bullet fashion.

 b. Describe the scope and role of this MRS.

 c. Describe how this remedial action addresses principal threats and other contamination at the MRS (i.e., what is being treated, what is being contained, and what is the rationale for each).

5. STATUTORY DETERMINATIONS.

 a. Describe how the Selected Remedy satisfies the statutory requirements of CERCLA §121 and discuss the applicability of the 5-year review requirements.

6. DATA CERTIFICATION CHECKLIST.

 The Declaration should certify that the following information is included in the DD (or provide a brief explanation for why this information is not included):

 a. Munitions and Explosives of Concern (MEC) and munitions constituents (MC) and their respective concentrations.

 b. Baseline risk represented by the MEC/MCs.

 c. Cleanup levels established for MEC/MCs and the basis for these levels.

 d. How MEC and MC will be addressed.

 e. Current and reasonably anticipated future land use assumptions and current and potential future beneficial uses of groundwater used in the baseline risk assessment and DD.

 f. Potential land and groundwater use that will be available at the MRS as a result of the Selected Remedy.

g. Estimated capital, annual operation and maintenance (O&M), and total present worth costs, discount rate, and the number of years over which the remedy cost estimates are projected.

h. Key factor(s) that led to selecting the remedy (i.e., describe how the Selected Remedy provides the best balance of tradeoffs with respect to the balancing and modifying criteria, highlighting criteria key to the decision).

7. AUTHORIZING SIGNATURE.

The following general paragraph and signature block. (*Note: Signature block may not appear alone on a page – it must be on the same page with the preceding paragraph*):

“This Decision Document presents the selected response action at [place]. The U.S. Army Corps of Engineers is the lead agency under the Defense Environmental Restoration Program (DERP) at the [FUDS property name] Formerly Used Defense Site, and has developed this Decision Document consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). This decision document will be incorporated into the larger Administrative Record file for [FUDS property name], which is available for public view at [address]. This document, presenting a selected remedy with a present worth cost estimate of [\$\$], is approved by the undersigned, pursuant to Memorandum, DAIM-ZA, September 9, 2003, subject: Policies for Staffing and Approving Decision Documents (DDs), and to Engineer Regulation 200-3-1, Formerly Used Defense Sites (FUDS) Program Policy.”

APPROVED:

(insert individual’s signature block here)

Date _____

*For present worth cost estimate of \$2M or less:
District Commander” Signature Block*

*For present worth cost estimate of more than \$2M and less than or equal to \$10M:
HQUSACE signature block for:
Chief, Department of Defense
Support Team
Directorate of Military Programs*

*For present worth cost estimate of more than \$10M:
Signature block for ACSIM or DASA(ESOH) or both*

PART 2: THE DECISION SUMMARY

The Decision Summary identifies the Selected Remedy, explains how the remedy fulfills statutory and regulatory requirements, and provides a substantive summary of the Administrative Record file that supports the remedy selection decision.

1. PROJECT NAME, LOCATION, AND BRIEF DESCRIPTION.

- a. Name and location.
- b. FUDS Project Number.
- c. Lead and support agencies (e.g., DoD, State, Tribes).
- d. Source of cleanup monies (e.g., ER-FUDS, ER-Army, ER-BRAC).
- e. Brief MRS description.

2. PROJECT HISTORY AND ENFORCEMENT ACTIVITIES.

- a. History of MRS activities that led to the current problems.
- b. History of federal, state, and local MRS investigations and removal and remedial actions conducted under CERCLA or other authorities.
- c. History of CERCLA enforcement activities at the MRS (e.g., results of PRP searches, issuances of special notices to PRPs).

3. COMMUNITY PARTICIPATION.

- a. Describe how the public participation requirements in CERCLA and the NCP were met in the remedy selection process (e.g., community relations plans, fact sheets, public notices, public meetings, public Restoration Advisory Board).
- b. Describe other community outreach and involvement efforts.
- c. Describe efforts to solicit views on the reasonably anticipated future land uses and potential future land uses.

4. SCOPE AND ROLE OF RESPONSE ACTION.

- a. The planned sequence of actions.
- b. The scope of problems those actions will address.
- c. The authorities under which each action will be/has been implemented (e.g., removal, remedial).

5. PROJECT MRS CHARACTERISTICS: (Include maps, a site plan, or other graphical presentations, as appropriate.)

- a. Describe the conceptual site model (CSM) on which the risk assessment and response action are based.
- b. Provide an overview of the MRS, including the following:
 - (1) Size of MRS (e.g., acres).
 - (2) Geographical and topographical information (e.g., surface waters, flood plains, wetlands).

- (3) Surface and subsurface features (e.g., number and volume of tanks, lagoons, structures, and drums on-site).
- (4) Areas of archaeological or historical importance.
- c. Describe the sampling strategy (e.g., which media were investigated, what sampling approach was used, over what area, when was the sampling performed).
- d. Describe known or suspected sources of contamination.
- e. Describe types of contamination and the affected media, including the following:
 - (1) Types and characteristics of MEC/MCs (e.g., toxic, mobile, carcinogenic, non-carcinogenic).
 - (2) Quantity/volume of MEC/MC that needs to be addressed.
 - (3) Concentrations of MEC/MCs in each medium.
 - (4) RCRA hazardous wastes and affected media.
- f. Describe location of contamination and known or potential routes of migration, including the following:
 - (1) Lateral and vertical extent of contamination.
 - (2) Current and potential future surface and subsurface routes of human or environmental exposure.
 - (3) Likelihood for migration of MEC/MCs from current location or to other media.
 - (4) Human and ecological populations that could be affected.
- g. For MRSs with groundwater contamination, describe the following:
 - (1) Aquifer(s) affected or threatened by site contamination, types of geologic materials, approximate depths, whether aquifer is confined or unconfined.
 - (2) Groundwater flow directions within each aquifer and between aquifers and groundwater discharge locations (e.g., surface waters, wetlands, other aquifers).
 - (3) Interconnection between surface contamination (e.g., soils, sediments/surface water) and groundwater contamination.
 - (4) Confirmed or suspected presence and location of non-aqueous phase liquids.
 - (5) If groundwater models were used to define the fate and transport of MEC/MC, identify the model used and major model assumptions.

h. Note other site-specific factors that may affect response actions at the MRS.

6. CURRENT AND POTENTIAL FUTURE LAND AND WATER USES.

a. Land Uses.

(1) Current on-site land uses.

(2) Current adjacent/surrounding land uses.

(3) Reasonably Anticipated Future Land Uses and Basis for Future Use Assumptions (e.g., zoning maps, nearby development, 20-year development plans, dialogue with local land use planning officials and citizens, reuse assessment).

b. Groundwater and Surface Water Uses.

(1) Current groundwater and surface water uses.

(2) Potential beneficial groundwater and surface water uses (e.g. potential drinking water, irrigation) and basis for future use assumptions (e.g., Comprehensive State Groundwater Protection Plan, promulgated state classification guidelines).

(3) If beneficial use is potential drinking water source, identify the approximate time frame of projected future drinking water use (e.g., groundwater aquifer not currently used as a drinking water source but expected to be utilized in 30 to 50 years).

(4) Location of anticipated use in relation to location and anticipated migration of contamination.

7. SUMMARY OF PROJECT MRS RISKS.

a. Human Health Risks.

(1) Identify the concentrations of MEC/MC in each medium.

(2) Summarize the results of the exposure assessment.

(3) Summarize the results of the toxicity assessment for the MEC/MC.

(4) Summarize the risk characterization for both current and potential future land use scenarios and identify major assumptions and sources of uncertainty.

b. Ecological Risks.

(1) Identify the concentrations of MEC/MC in each medium.

(2) Summarize the results of the exposure assessment.

(3) Summarize the results of the ecological effects assessment.

(4) Summarize the results of the ecological risk characterization and identify major assumptions and sources of uncertainty.

c. Basis for Response Action.

(1) Clearly Present the Basis for Taking the Response Action at the Conclusion of this Section.

8. REMEDIAL ACTION OBJECTIVES.

a. Present a clear statement of the specific RAOs for the MRS (e.g., treatment of contaminated soils above health-based action levels, restoration of groundwater plume to drinking water levels, and containment of DNAPL source areas) and reference a list or table of the individual performance standards.

b. Discuss the basis and rationale for RAOs (e.g., current and reasonably anticipated future land use and potential beneficial groundwater use).

c. Explain how the RAOs address risks identified in the risk assessment (e.g., how will the risks driving the need for action be addressed by the response action?).

9. DESCRIPTION OF ALTERNATIVES: The objective of this section is to provide a brief understanding of the remedial alternatives developed for the MRS.

a. Remedy Components. Provide a bulleted list of the major components of each alternative, including but not limited to:

(1) Treatment technologies and the materials they will be used to address (e.g., principal threats).

(2) Containment components of remedy (e.g., engineering controls, cap, hydraulic barriers) and the materials they will be used to address (e.g., low concentration source materials, treatment residuals).

(3) Land use controls (and entity responsible for implementing and maintaining them).

(4) Operations and maintenance (O&M) activities required to maintain the integrity of the remedy (e.g., cap maintenance).

(5) Monitoring requirements.

b. Common Elements and Distinguishing Features of Each Alternative. Describe common elements and distinguishing features unique to each response option. Examples of these elements include:

(1) Key ARARs (or ARAR waivers) associated with each alternative (e.g., action- and/or location-specific groundwater treatment units, manifesting of hazardous waste, and regulating solid waste landfills).

(2) Long-term reliability of remedy (potential for remedy failure/replacement costs).

(3) Quantity of untreated MEC/MC to be disposed off-site or managed on-site in a containment system and degree of residual contamination remaining in such waste.

- (4) Estimated time required for design and construction (i.e., implementation time frame).
- (5) Estimated time to reach cleanup levels (i.e., time of operation, period of performance).
- (6) Estimated capital, annual O&M, and total present worth costs, discount rate, and the number of years over which the remedy cost estimate is projected.
- (7) Describe uses of presumptive remedies and/or innovative technologies.

c. Expected Outcomes of Each Alternative.

(1) Available land uses upon achieving performance standards. Note time frame to achieve performance standards (e.g., commercial or light industrial use available in 3 years when cleanup levels are achieved).

(2) Available groundwater uses upon achieving performance standards. Note time frame to achieve performance standards (e.g., restricted use for industrial purposes in technical impracticability [TI] waiver zone, drinking water use in non-TI zone upon achieving cleanup levels in 50 to 70 years).

(3) Other impacts or benefits associated with each alternative.

10. COMPARATIVE ANALYSIS OF ALTERNATIVES. Compare the relative performance of each alternative against the others with respect to the nine evaluation criteria (summarize in a table if appropriate).

11. PRINCIPAL MEC/MC ISSUES. Identify the MEC/MC issues at the MRS and discuss how the alternatives will address them.

Note: The *Statutory Determinations* section of the DD should explain whether or not the Selected Remedy satisfies the statutory preference for remedies employing treatment that reduces toxicity, mobility, or volume as a principal element. By indicating whether the principal threats will be addressed by the alternatives, this section of the *Decision Summary* should provide the basis for that statutory determination.

12. SELECTED REMEDY.

a. Summary of the Rationale for the Selected Remedy.

(1) Provide a concise discussion of the key factors for remedy selection.

b. Detailed Description of the Selected Remedy.

(1) Expand on the Description of the Selected Remedy from that which was provided in the Description of Alternatives section and provide a brief overview of the RAOs and performance standards.

c. Cost Estimate for the Selected Remedy.

(1) Present a detailed, activity-based breakdown of the estimated costs associated with implementing and maintaining the remedy (include estimated capital, annual O&M, and total present worth costs discount rate and the number of years over which the remedy cost estimate is projected).

d. Estimated Outcomes of Selected Remedy.

- (1) Available land use(s) upon achieving cleanup levels. Note time frame to achieve available use (e.g., commercial or light industrial use available in 3 years when cleanup levels are achieved).
- (2) Available groundwater use(s) upon achieving cleanup levels. Note time frame to achieve available use (e.g., restricted use for industrial purposes in TI waiver zone, drinking water use in non-TI zone upon achieving cleanup levels in 50 to 70 years).
- (3) Final cleanup levels for each medium (i.e., contaminant-specific cleanup levels), basis for cleanup levels, and risk at cleanup levels (if appropriate).
- (4) Anticipated socioeconomic and community revitalization impacts (e.g., increased property values, reduced water supply costs, jobs created, increased tax revenues due to redevelopment, environmental justice concerns addressed, enhanced human uses of ecological resources).
- (5) Anticipated environmental and ecological benefits (e.g., restoration of sensitive ecosystems, protection of endangered species, protection of wildlife populations, wetlands restoration).

13. STATUTORY DETERMINATIONS.

- a. Explain how the remedy satisfies the requirements of §121 of CERCLA to:
 - (1) Protect human health and the environment.
 - (2) Comply with ARARs, or justify a waiver.
 - (3) Be cost-effective.
 - (4) Utilize permanent solutions and alternative treatment technologies or resource recovery technologies to the maximum extent practicable (i.e., explain why the Selected Remedy represents the best option).
 - (5) Satisfy the preference for treatment as a principal element, or justify the selection of an alternative remedy.
- b. Explain 5-year review requirements for the Selected Remedy.

14. DOCUMENTATION OF SIGNIFICANT CHANGES FROM PREFERRED ALTERNATIVE OF PROPOSED PLAN. If there are significant changes in the Selected Remedy from the Preferred Alternative:

- a. Discuss the Preferred Alternative originally presented in the Proposed Plan.
- b. Describe the significant changes in the Selected Remedy.

c. Explain the rationale for the changes and how they could have been reasonably anticipated based on information presented in the Proposed Plan or the Administrative Record file.

PART 3: THE RESPONSIVENESS SUMMARY

The Responsiveness Summary serves the dual purposes of: (1) presenting stakeholder concerns about the MRS and preferences regarding the remedial alternatives; and (2) explaining how those concerns were addressed and the preferences were factored into the remedy selection process. This discussion should cross-reference sections of the Decision Summary that demonstrate how issues raised by the community have been addressed.

1. STAKEHOLDER ISSUES AND LEAD AGENCY RESPONSES: Summarize and respond concisely to issues raised by stakeholders.
2. TECHNICAL AND LEGAL ISSUES: Expand on technical and legal issues, if necessary

Attachment D

Price Spreadsheet

Firm Fixed Price Lump Sum Prices offered and accepted are the sole basis of this contract. Unit Prices included herein have no bearing on the task order price and are proposed only to provide a basis for determining a fair and reasonable price if the Government in its sole discretion chooses to modify the performance requirements of this task order. This is a performance based task order and the inclusion of unit prices in the proposal shall in no way be construed as the Government procuring a specified number of units of any given service. The contract is for the provision of services that ultimately meet the performance requirements of each task. }

Camp Croft				
Task, Title, Type	Qty	Unit	Price	Total
1, Technical Project Planning, FFP/UP	1.0	LS		
1a, Additional meeting, FUP	1.0	Ea		
2, RI/FS Work Plan, FFP	1.0	LS		
2a, Optional, Explosive Siting Plan, FFP	1.0	LS		
2b. Optional, Dive Plan, FFP	1.0	LS		
3, GIS, FFP/UP	1.0	LS		
3a, Additional GIS per month, FUP	1.0	EA		
4, RI/FS Field Activities, FFP/FUP				
4a, Gas Chamber, FFP	1.0	LS		
4b, Grenade Court, FFP	1.0	LS		
4c, Range Complex Land, FFP	1.0	LS		
4d, Range Complex (Lake Craig & Lake Johnson), FFP	1.0	LS		
4e, Optional, Area of Potential Interest 3, FFP	1.0	LS		
4f, Optional, Area of Potential Interest 5, FFP	1.0	LS		
4g, Optional, Area of Potential Interest 8, FFP	1.0	LS		
4h, Optional, Area of Potential Interest 9E, FFP	1.0	LS		
4i, Optional, Area of Potential Interest 9G, FFP	1.0	LS		
4j, Optional, Area of Potential Interest 10A, FFP	1.0	LS		
4k, Optional, Area of Potential Interest 10B, FFP	1.0	LS		
4l, Optional, Area of Potential Interest 11B, FFP	1.0	LS		
4m, Optional, Area of Potential Interest 11C, FFP	1.0	LS		
4n, Optional, Area of Potential Interest, FFP	1.0	LS		
4n, Evacuations, CPFF	1.0	LS		
Civil Survey, per acre, FUP	1.0	Ea		

Camp Croft				
Task, Title, Type	Qty	Unit	Price	Total
Light Vegetation Removal, per acre, FUP	1.0	Ea		
Medium Vegetation Removal, per acre, FUP	1.0	Ea		
Heavy Vegetation Removal, per acre, FUP	1.0	Ea		
Density Transects per acre - Light Brush, FUP	1.0	Ea		
Density Transects per acre - Medium Brush, FUP	1.0	Ea		
Density Transects per acre - Heavy Brush, FUP	1.0	Ea		
DGM Transect geophysics per acre, FUP	1.0	Ea		
Analog Transect geophysics per acre, FUP	1.0	Ea		
DGM Grids geophysics per acre, FUP	1.0	Ea		
Analog Grids geophysics per acre, FUP	1.0	Ea		
Underwater DGM Transects per acre, FUP	1.0	Ea		
Underwater Mag & Dig Transects per acre, FUP	1.0	Ea		
Sonar per acre, FUP	1.0	Ea		
Mob/Demob Underwater Geo Team, FUP	1.0	Ea		
Mob/Demob Sonar Team, FUP	1.0	Ea		
Mob/Demob Underwater MEC Investigation Team, FUP	1.0	Ea		
Mob/Demob Underwater Mag & Dig Team, FUP	1.0	Ea		
Underwater Investigation -On shore support per day, FUP	1.0	Ea		
Underwater Investigation-On shore support per week, FUP	1.0	Ea		
Underwater Investigation-Off Shore support per day, FUP	1.0	Ea		
Underwater Investigation-Off shore support per week, FUP	1.0	Ea		
Mob/Demob Density Transect Team, FUP	1.0	Ea		
Mob/Demob, DGM Team, FUP	1.0	Ea		
Mob/Demob, MEC Investigation Team, FUP	1.0	Ea		
LiDar per acre, FUP	1.0	Ea		
Orthophoto per acre, FUP	1.0	Ea		
Airborne Magnetic per acre, FUP	1.0	Ea		
Airborne EM per acre, FUP	1.0	Ea		
Airborne Multispectral per acre, FUP	1.0	Ea		
Mob/Demob LiDar, FUP	1.0	Ea		
Mob/Demob Orthophoto, FUP	1.0	Ea		

Camp Croft				
Task, Title, Type	Qty	Unit	Price	Total
Mob/Demob Airborne magnetic, FUP	1.0	Ea		
Mob/Demob Airborne EM, FUP	1.0	Ea		
Mob/Demob Airborne Multispectral, FUP	1.0	Ea		
Each Demolition Shot, FUP	1.0	Ea		
Each Underwater Demolition Shot, FUP	1.0	Ea		
Intrusive Investigation – Land, per day, FUP	1.0	Ea		
Intrusive Investigation - Land, per week, FUP	1.0	Ea		
Intrusive Investigation-Water, per day, FUP	1.0	Ea		
Intrusive Investigation-Water, per week, FUP	1.0	Ea		
Program/Project Management, per week, in office, FUP	1.0	Ea		
Program/Project Management, per week, in field, FUP	1.0	Ea		
Site Management (SUXOS, UXOQC, UXOSO), per week, FUP	1.0	Ea		
<i>Contractor can add relevant fixed unit pricing for review and acceptance by the Government.</i>				
5, Remedial Investigation Report Initial, FFP	1.0	LS		
6, Feasibility Study Report Initial MRS, FFP	1.0	LS		
7, Proposed Plan Initial MRS, FFP	1.0	LS		
8, Decision Document Initial MRS, FFP	1.0	LS		
9, Community Relations Support, FFP	1.0	LS		
10, Public Involvement Plan, FFP	1.0	LS		
11, Administrative Record, FFP	1.0	LS		
12, Environmental Sampling & Analysis, FFP/FUP				
12a, Gas Chamber, FFP	1.0	LS		
12b, Grenade Court, FFP	1.0	LS		
12c, Range Complex Land, FFP	1.0	LS		
12d, Optional, Range Complex (Lake Craig and Lake Johnson), FFP	1.0	LS		
12e, Optional, Area of Potential Interest 3, FFP	1.0	LS		
12f, Optional, Area of Potential Interest 5, FFP	1.0	LS		
12g, Optional, Area of Potential Interest 8, FFP	1.0	LS		
12h, Optional, Area of Potential Interest 9E, FFP	1.0	LS		
12i, Optional, Area of Potential Interest 9G, FFP	1.0	LS		
12j, Optional, Area of Potential Interest 10A, FFP	1.0	LS		

Camp Croft				
Task, Title, Type	Qty	Unit	Price	Total
12k, Optional, Area of Potential Interest 10B, FFP	1.0	<i>LS</i>		
12l, Optional, Area of Potential Interest 11B, FFP	1.0	<i>LS</i>		
12m, Optional, Area of Potential Interest 11C, FFP	1.0	<i>LS</i>		
12n, Optional, Area of Potential Interest, FFP	1.0	<i>LS</i>		
Sampling and analysis, Soil, ten plus QC/QA, MS/MSD, FUP	1.0	Ea		
Sampling and analysis, Water, ten plus QC/QA, MS/MSD, FUP	1.0	Ea		
Sampling and analysis, Sediment, ten plus QC/QA, MS/MSD, FUP	1.0	Ea		
Sampling and analysis, Groundwater sample, FUP	1.0	Ea		
Sampling and analysis, Groundwater, plus QC/QA, MS/MSD, FUP	1.0	Ea		
Sampling and analysis, Groundwater sample using Push Probe, FUP	1.0	Ea		
Incremental Sampling Unit(DU) (100'x100'), FUP	1.0	Ea		
Pre & Post Detonation per set, FUP	1.0	Ea		
Installation of monitoring well, base price per well, FUP	1.0	Ea		
Installation of monitoring well, price per additional foot, FUP	1.0	Ea		
Subsurface Sampling, per 2' - 4' boring, FUP	1.0	Ea		
<i>Contractor can add relevant fixed unit pricing for review and acceptance by the Government.</i>	1.0	Ea		
			Total	

- Note: Use RSMMeans, most recent version, for applicable unit pricing using applicable location factors.

Attachment E: Objective Based Standards

Objective	PWS Standard	Potential Tools	Notes
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Find Target Areas (areas likely to contain MEC)	Demonstrate that all MEC contaminated areas have been traversed at the completion of fieldwork and that there is at least 90% chance of detecting these areas. (MEC contamination will be defined in accordance with the approved conceptual site model. The CSM for a suspected ground target area might define the character of a confirmed MEC contaminated area as one with elevated anomaly density plus evidence of concentrated munitions use. The CSM for a suspected disposal area might define the character of a confirmed MEC contaminated area as one with geophysical evidence of a burial pit.)	VSP - "Transect Spacing Needed to Locate a UXO Target Area" and "Post- Survey Probability of Traversal". "Locate Hot Spots" (an MC tool) can be used in developed areas to select grid locations. UXO Estimator may be used to estimate the density of UXO with a 90% confidence in areas where VSP is not applicable.	Not only needs to be run prior to field work to develop transect spacing, but also after work is completed to confirm that actual transects meet these requirements.
Bound MEC contaminated areas	Demonstrate that the boundaries of all identified MEC contaminated areas have been delineated to an accuracy of at least +/- half the transect spacing, maximum 250 feet.	Placement of transects and grids.	May need to be refined at TPP meeting.
Provide confidence that the density of MEC outside the bounded contamination areas is sufficiently low.	Demonstrate with at least 90% confidence that all land outside the MEC contaminated areas have less than or equal to (.1 when public use is significant, .5 when public use is moderate and 1 when public use is low) UXO per acre.	UXO Estimator VSP –"Achieve a High Confidence that Few Anomalies are UXO" or "Item Sampling" (Both can be accessed via the Expert Mentor)	Specific density of allowable MEC may be renegotiated at the TPP meeting. Information from the ASR may exclude an area from having to meet this requirement and should be discussed at the TPP meeting. It should be noted that percentages can be deceptive for sites with extreme numbers of anomalies

Provide confidence that the nature of MEC inside the contaminated areas has been defined	Demonstrate that a 90% confidence in the nature (type, density and potential depth) of MEC and MEC related debris, for each relatively homogeneous MEC contaminated area, has been achieved.	Acceptance Sampling and/or other statistically valid methods	MEC and MEC related debris should be treated separately. The nature of the MEC related debris should be used to make qualitative judgments where no MEC is found but other site characteristics warrant a more thorough investigation.
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Acceptance Sampling:

- Acceptance sampling may be used to tell you how many digs are necessary in each target area in order to estimate type, density and depth with an acceptable percentage of error.
- Example: If you dig x anomalies out the total number of MEC-like anomalies then you will be 90% confident that $\leq 1\%$ of anomalies are outliers. In other words you can be confident that the sample you took is representative of the entire area*.
- *Acceptance sampling is only applicable in relatively homogeneous areas.

Assumptions:

- A known target area is more likely to contain MEC than other areas in the MRS.
- An area with an elevated density of MEC related debris is more likely to contain MEC than an area with a low density of MEC related debris.

General Notes:

- All inputs into VSP and UXO Estimator need to be stated and rational must be provided for why these inputs were selected.
- An identified target area may or may not fit the definition of a homogeneous area because it is likely that densities will be higher in the center and decrease as you move closer to the boundary. In this case, the target area should be divided into density contours and statistical analysis should be performed in individual regions in order to satisfy the homogeneity assumption.
- The current guidance for target size is a diameter equal to 1.5 times the maximum fragmentation distance (MFD) for the most conservative ordnance known to be present in the MRS.