

**STATEMENT OF WORK
ORDNANCE REMOVAL ACTION
FORMER WEST VIRGINIA MANEUVER AREA
DOLLY SODS WILDERNESS
DAVIS, WV**

20 JUNE 1997

1.0 BACKGROUND AND GENERAL STATEMENT OF WORK: The work required under this Scope of Work (SOW) falls under the Defense Environmental Restoration Program (DERP) - Formerly Used Defense Sites (FUDS). Ordnance and Explosive (OE) contamination exists as a result of Department of Defense activities.

1.1 OE is a safety hazard and constitutes an imminent and substantial endangerment to the public. During this removal action, it is the Government's intent that the contractor destroy all OE encountered. This action will be performed in accordance with (IAW) the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 104, and the National Contingency Plan (NCP), Section 300.400; therefore, permits for on-site disposal are not required.

1.2 This ordnance removal action does not fall under the RCRA hazardous waste management requirements.

1.2.1 The provisions of 29CFR 1910.120 apply.

1.2.2 Due to the inherent risk in this type of operation, the contractor shall be limited to a 40-hour work week: either five 8-hour days or four 10-hour days. UXO personnel shall not perform UXO-related tasks more than 10 hours per day.

1.2.3 All work performed under this contract shall be conducted in full compliance with with U.S. Army Corps of Engineers, Huntsville Center (CEHNC), U.S. Army Corps of Engineers (USACE), Department of the Army (DA) and Department of Defense (DoD) requirements and operational instructions for protection of the Cheat Mountain Salamander during ordnance removal activities at the Dolly Sods site.

1.2.4 This Project does not require an on-site full-time Contract Manager.

1.3 GENERAL DESCRIPTION:

1.3.1 The former West Virginia Maneuver Area, 10,215 acres, is located in the Dolly Sods Wilderness *and the Dolly Sods North Area*. Beginning in August of 1943, the Army used these 10,215 acres for artillery and mortar training as well as a maneuver area. The former West Virginia Maneuver Area is now frequently used for hiking, fishing, camping, picnics, and

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hunting. It is estimated that between 45,000 and 76,000 people visit Dolly Sods Wilderness *and the Dolly Sods North Area* annually.

1.3.2 The terrain is undeveloped, mountainous, rocky, and rugged. Portions are covered with dense brush and are heavily vegetated. Plant and animal life are comparable to northern Canada. Endangered species include the Cheat Mountain Salamander. There are also areas of archaeological significance.

1.3.3 This SOW pertains to 20.89 miles of trails and 101 campsites commonly used in the Dolly Sods Wilderness as designated by the U.S. Forest Service. The total acreage to be cleared of surface and subsurface OE is approximately 113.9 acres. This is further divided into 111.9 acres for trails and 2.0 acres for campsites. *Areas 1 through Area 9 pertains to the Dolly Sods Wilderness Area.*

1.3.3.1 Area 1. 4 campsites, 2.35 miles of trails. Total area acreage is 1,648. Maximum clearance acreage: 0.6 acre campsites; 12.8 acres trails.

1.3.3.2 Area 2. 2 campsites, 1.05 miles of trails. Total area acreage is 735. Maximum clearance acreage: 0.03 acre campsites; 5.7 acres trails.

1.3.3.3 Area 3. 1 campsite, 0.44 miles of trails. Total area acreage is 1.05. Maximum clearance acreage: 0.01 acre campsite; 2.4 acres trails.

1.3.3.4 Area 4. 5 campsites, 1.63 miles of trails. Total area acreage is 767. Maximum clearance acreage: 0.07 acres campsites; 8.9 acres trails.

1.3.3.5 Area 5. 41 campsites, 7.88 miles of trails. Total area acreage is 1,565. Maximum clearance acreage: 0.60 acres campsites; 43 acres trails.

1.3.3.6 Area 6. 21 campsites, 3.34 miles of trails. Total area acreage is 2,156. Maximum clearance acreage: 0.30 acres campsites; 18.2 acres trails.

1.3.3.7 Area 7. 5 campsites, 0.69 miles of trails. Total area acreage is 282. Maximum clearance acreage: 0.07 acre campsites; 3.8 acres trails.

1.3.3.8 Area 8. 15 campsites, 2.50 miles of trails. Total area acreage is 1,192. Maximum clearance acreage: 0.22 acres campsites; 13.6 acres trails.

1.3.3.9 Area 9. 7 campsites, 1.01 miles of trails. Total area acreage is 819. Maximum clearance acreage: 0.10 acres campsites; 5.5 acres trails.

1.3.3.10. *Clear 23 miles of trails and 20 feet on each side, and to the depth of 1 foot. Total area acreage is 114.3.*

1.3.3.11 Clear 98.9 acres of open land on Blackbird Knob to the depth of 1 foot.

1.3.3.12 Clear 75 campsites, 3 cabin sites, and 1 trailer dump site to the depth of 4 feet. Total area acreage is 3.1.

1.3.4 Clearing these areas will be a relatively normal UXO clearance operation involving close coordination of the clearance team with the on-site Forest Service representative. No brush and tree clearance will be done on this site.

1.3.5 An unexploded ordnance field investigation was conducted by a Corps of Engineers, Huntsville Division, contractor during July-October 1991. 18 random areas were sampled which composed 281 surface acres and 10 subsurface acres. The site was found to be contaminated with OE and OE-related scrap. The UXOs found included 4.2", 81mm, 60mm, mortars, and 57mm projectiles. It is also reported that 105 and 155mm projectiles have been found and the area was used to test fire rockets.

1.4 **DEFINITIONS:** Definitions of applicable terms are found in Section C, paragraph 2.4, of the basic contract.

2.0 **OBJECTIVE:** The Contractor shall safely locate, recover and dispose of all surface and subsurface ordnance and explosives (OE) to a depth of one foot beneath all trails (to include a width of 20 feet on each side of the trails) and to a depth of four feet beneath designated camping areas at this site.

3.0 DESCRIPTION OF SERVICES:

3.1 **General.** This removal project consists of searching all Forest Service designated trails, 20 feet to each side of the trails, and all Forest Service inventoried campsites (cleared areas only). OE shall be cleared to a depth of 1 foot in trails and adjacent areas and to 4 feet in campsites. To minimize adverse impacts on the environment, the Contractor shall follow all mitigation measures defined in field operating procedures provided by the Forest Service and the *Dolly Sods Wilderness Ordnance Removal Project Environmental Assessment* dated September 1995. These mitigation measures include the following:

- No motorized vehicles will be used in the Wilderness.
- Before activities begin within the Wilderness, Government-furnished specialists will train the Contractor's personnel to recognize historic and prehistoric sites.
- Prior to beginning their work, the Forest Service will provide to the Contractor maps showing the locations of known cultural resource sites, statements as to the significance of those sites, and recommendations for treatment.

- If artifacts or structural remains are detected in a work area, they will be carefully set aside, then returned to their previous locations.

- If artifacts or structural remains are detected in a designated work area not known to be a site, that location will be noted on a map along with a general description of what was found. This information will be furnished to the Forest Service.

- When areas not previously designated as work areas are selected for disturbance, the Forest Archaeologist will be notified and given the opportunity to survey for cultural resources in that area.

3.2 Operational Instructions for protection of the Cheat Mountain Salamander (CMS) during unexploded ordnance removal activities at Dolly Sods Wilderness in 1996. The following operational instructions shall replace CMS protection measures as listed on page 4-9 of the approved environmental assessment, in the biological evaluation and in the 22 August 1995 consultation letter from the U.S. Fish and Wildlife Service to Colonel Jemiola.

-When a metal object is detected by magnetometer:

A. If the metal object is beneath a trail or beneath the area within 20 feet of each side of the trail (hand excavation only to a depth of one foot).

1. The ordnance specialist will remove, as much as possible, by hand, any leaf litter and organic matter from a area large enough to dig a hole to the maximum depth allowed (1 ft.), to store the soil and to work at the site. Leaf litter and organic matter will be placed in a plastic bag or bucket for replacement over the site later. Any salamanders found during removal of leaf litter and organic matter shall be placed in a suitable container with damp moss and the container will be kept cool, and placed in the shade. It may be necessary to utilize a cooler. Only one salamander will be placed in each container.

2. The ordnance specialist will then hand excavate down to the metal object to identify it, or to the maximum depth allowed.

a. If the metal object is not a UXO:

Replace material from the hole without removing the object, (metal objects associated with ordnance may be removed);

Tamp with foot;

Replace leaf litter and organic matter;

Release any salamanders previously collected to the area.

b. If the metal object is a UXO, but can be safely moved, (such as many UXO without a fuse):

Dig out the UXO and transfer it to a storage area mutually agreed upon by the FSS and COE/contractor for later disposal/detonation;

Replace material from the hole;

Tamp with foot;
Replace leaf litter and organic matter;
Release any salamanders previously collected to the area.

c. If the metal object is a UXO that must be detonated in place:

Mark the location;
Call in a qualified Forest Service salamander person;

This qualified person will search for and collect all salamanders from within 15 ft. of the UXO. All salamanders will be placed in suitable containers with damp moss and kept cool in the shade. This may require the use of a cooler. Only one salamander will be placed in each container;

After salamanders have been removed, (if any are found), remove the majority of leaf litter and organic matter from a 15 foot radius area around the UXO and store in plastic bags or buckets out of detonation range. The FS will determine appropriateness of this step if no salamanders are found;

Detonate UXO in place with appropriate use of sand bags;

If the item detonated was directly beneath the trail, fill crater with any rocks in the vicinity resulting from the detonation of the UXO plus any additional rocks from within 100 feet of the detonation needed to complete filling the crater, as deemed necessary. To minimize the effects of collecting rocks and material to fill the crater, remove small quantities from several different areas within the designated area. Cover rocks placed in the crater with any clumps of soil from the detonation, as appropriate. Tamp with foot;

Replace leaf litter and organic matter uniformly across the site from where it had been collected;

Replace all salamanders collected prior to detonation to as close to their site of original collection as possible.

If the item detonated is not located in the trail itself, the crater may not have to be refilled unless such refilling is mandated by the Forest Service.

B. If the metal object is beneath a designated camping area (hand excavation only to a depth of four feet):

1. The UXO specialist will remove, as much as possible, by hand, all leaf litter and organic matter from a area large enough to dig a hole to the maximum depth allowed (4 ft.), to store the soil and to work at the site. Leaf litter and organic matter will be placed in plastic bags or buckets for replacement over the site later. Any salamanders found during removal of leaf litter and organic matter shall be placed in an appropriate container with damp moss and the container will be kept cool in the shade. This may require use of a cooler. Only one salamander will be placed in each container.

2. a. The digging and removal of UXO/UXO scrap will be the same as prescribed in the trail and adjacent areas.

b. Because ordnance personnel have advised that a detonation at four feet in depth with sandbags will create a similar sized crater and area of impact as a detonation at one

foot of depth, the qualified FS person will search for and collect all salamanders from within a 15 foot radius of the UXO.

C. If the metal object is on the surface of the ground (no substantial hand excavation needed) and on a trail, within 20 ft. of each side of a trail or within a designated camping area:

a. If the metal object is not a UXO:

Leave the object in place, except that metal objects associated with ordnance may be removed.

b. If the metal object is a UXO, but can be safely moved (such as many UXO without a fuse):

Remove the object and transfer it to a storage area mutually agreed upon by the FS and COE/contractor for later disposal/detonation.

c. If the metal object is a UXO that cannot be moved, the qualified FS person will search for and collect all salamanders from within a 40 ft. radius of the UXO. The majority of leaf litter and organic matter from a 40 ft. radius area around the UXO will be removed and stored in plastic bags or buckets out of detonation range. All other procedures for UXO will apply.

There will be no need for a biologist to conduct a walkover of the area to identify potential CMS habitat before the project begins. Under these operational instructions, all sites where metal objects are found and excavated to be identified and/or detonated will be treated to protect the CMS and other salamander species and vertebrate animals.

If there is a need to use sandbags to facilitate detonation of any UXO in place, a borrow area will be jointly selected by the ordnance specialist and a qualified Forest Service person, as an area from which soil may be taken to fill sand bags. These borrow areas will be treated similar to a site where a metal object is found. Leaf litter and organic matter will be removed and stored, salamanders collected, borrow material removed, litter replaced and salamanders replaced.

It will not be necessary to conduct field surveys for CMS at night or within 48 hours of rainfall.

Other animals such as turtles, toads, lizards, snakes, etc., found while searching for salamanders or while removing leaf litter shall be relocated to adjacent areas.

Since trails and campsites are heavily impacted by human use, it is unlikely that large amounts of leaf litter or salamanders will need to be removed from these areas prior to excavation of a metal object or detonation.

3.1 (TASK 1) PERFORM SITE VISIT AND PREPARE WORK PLAN (WP):

3.1.1 PERFORM SITE VISIT: This task shall be accomplished IAW Section C, paragraph 3.2, of the basic contract. Prior to preparation of the WP, a site visit, not to exceed 5 days including travel time, is authorized. The site visit team shall not exceed two persons, one of

whom shall be a Senior UXO Supervisor. The contractor shall notify the CEHNC Project Manager of the proposed dates for the site visit. The site visit shall include coordination with the appropriate Dolly Sods Wilderness agencies. Additionally, the site visit team will coordinate with the local medical facility and airport. During the site visit, environmental concerns, cultural resources and endangered species in the ordnance removal areas shall be addressed.

3.1.2 PREPARE WORK PLAN: The WP shall outline the contractor's proposed methodology of accomplishing the objective. This shall include site-specific training, UXO-related procedures and practices, equipment, administrative area equipment, demolition materials and their security and accountability system, personal protective equipment, responsibilities and qualifications of personnel, organizational structure to include subcontractor(s) (if applicable), internal and external communications, project site office, project schedule, UXO safety and site-general safety to include snakes, ticks, and other flora and fauna, quality control procedures, on-site and off-site emergency medical arrangements to include transportation, and the completion of ENG Form 3394 in the event of an accident. All UXO-related procedures shall comply with CEHNC Safety Concepts and Basic Considerations for UXO.

3.1.2.1 DISPOSAL ALTERNATIVES: Based on the site visit, the contractor shall describe and recommend the safest and most cost-effective method of treatment and disposal of OE. The contractor shall provide three disposal alternatives IAW Section C, paragraph 3.3, of the basic contract. The method of treatment shall be selected and approved by CEHNC, after which the contractor shall proceed with preparation of the WP.

3.1.2.2 The contractor shall submit a draft WP for review and a final WP for approval IAW paragraph 4.1, this SOW.

3.1.2.3 The WP shall include the following subplans written IAW Data Item Description OT-005 of the Basic Contract:

3.1.2.3.1 UXO Operational Plan.

3.1.2.3.2 Site-specific Safety and Health Plan (SSHP). The contractor shall submit a SSHP IAW 29CFR 1910.120 that contains OE safety standards and procedures.

3.1.2.3.3 Equipment Plan (EP). The contractor shall prepare and submit a detailed EP (as a WP subplan) describing the equipment to be employed to perform all necessary operations.

3.1.2.3.4 Location Survey and Mapping Plan.

3.1.2.3.5 Environmental Protection Plan.

3.1.2.3.6 Quality Control Plan.

3.1.2.3.7 Work, Data, and Cost Management Plan.

3.1.3 In addition to the WP and subplans required above, a brief, concise, separate document, the *Remedial Action Safety Plan (RASP)*, shall be prepared for submission with the WP. The RASP shall contain the following information and may reference chapters of the WP, when applicable.

3.1.3.1 Site location and description.

3.1.3.2 Projected removal action starting date.

3.1.3.3 Suspected items.

3.1.3.4 An assessment of the potential for migration of contamination and a description of the steps taken to halt such migration.

3.1.3.5 Precautions to be taken if toxic chemical agent items are discovered.

3.1.3.6 Name of UXO contractor.

3.1.3.7 An on-site detailed disposal plan.

3.1.3.8 A drawing of the site.

3.1.3.9 Location of the demolition area(s) as a potential explosive site and distances of potential exposed sites.

3.1.3.10 A summary of risk assessment and mitigating features at demolition areas.

3.1.3.11 When it is applicable, the off-site disposal plan will include the following specific information: how the off-site disposal will be accomplished; who will perform the actual off-site disposal; the off-site disposal location; transportation procedures; and the expected results of the disposal action.

3.1.3.12 Identify the basic contract and the delivery order.

3.1.4 Other subplans identified in the basic contract are not required for this delivery order.

3.1.5 The contractor shall notify the CEHNC Project Manager, Mr. Bill Sargent, at (205) 895-1562 at least five calendar days in advance of site visit.

3.2 (TASK 2) PERFORM COMMUNITY RELATIONS

3.2.1 The contractor shall assist in the conduct of a public meeting and media day to inform the

public of the purpose of the project, the procedures to be followed, and the cooperation requested.

3.2.2 All press releases and media appearances shall be coordinated with, and approved by, the PAO, Huntington District (See Paragraph 5.0).

3.3 (TASK 3) LOCATION SURVEYING AND MAPPING. The following information is provided should there be a requirement as part of the clearance activity to establish additional survey control in and around Dolly Sods Wilderness. The contractor will be supplied a copy of the existing aerial photography, orthophotos, monument locations, and survey control markers previously established (under a separate delivery order) in the Dolly Sods Wilderness, Cabin Mountain, and Black Bird Knob areas. The contractor shall, following the guidance provided by the following paragraphs, map all grid locations and UXO removed from the project locations. If multiple UXO are removed from an area, that area may be marked as a grid and the corner of the grid located on the map (not each individual UXO).

3.3.1 Control Points. Plastic or wooden hubs shall be used for all basic control points. Horizontal control (1:10,000) referenced to the North American Datum of 1983 (NAD83), and vertical control (1:5,000) referenced to the North American Vertical Datum of 1988 (NAV88) of "Third Order" or better shall be established for the network required for all monuments.

All coordinates and all elevations are to be shown to the closest one hundredth of a foot (0.01). All the control points recovered and/or established at this site shall be plotted at the appropriate coordinate point on a reproducible (Mylar) planimetric or topographic map at a scale of 1 inch = 200 feet.

These points shall be identified on the map by their name or number, final coordinates, and final adjusted elevations. A tabulated list, and a "Description Card" of all control points used, shall be submitted IAW paragraph 3.3.3 of this SOW. The Description Card shall show a sketch of each monument; its location relative to reference marks, buildings, roads, railroads, towers, etc; a typed description telling how to locate the monument from a known point; the monuments name or number; and, the final adjusted coordinates and elevations. The Description Cards shall be 5 inches by 8 inches with one monument per description per card, or two monuments being described on an 8.5 inch by 11 inch sheet of bond paper.

3.3.2 Mapping. The location, identification, coordinates, and evaluations of all the control points recovered and/or established at the site, and the corners of all of the areas that are cleared of UXO, shall be plotted on a reproducible (Mylar) planimetric or topographic map (at a scale no smaller than 1 inch = 200 feet) to show their location with respect to all the surface and planimetric features within the project area. In addition, all UXO that are located in the field shall be plotted and shown on the map in their respective locations.

3.3.3 Items and data to be submitted to CEHNC as follows:

3.3.3.1 Field Survey. The original copies of all field books, layout sheets, computation sheets, abstracts, and computer printouts. All of these items shall be suitably bound, clearly marked, and identified.

3.3.3.2 A tabulated list of all control points showing the adjusted coordinates and elevations (to the closest one-hundredth of a foot) established and/or used for this survey.

3.3.3.3 A "Report on Establishment of Survey Mark" (Description Card) on each permanent control monument used for the survey. In addition to the name or ID number of the monument, the cards shall show the adjusted coordinates, the adjusted elevations (to the closest 0.01 foot), a written description for locating the monument, and a sketch showing how to locate the monuments.

3.3.3.4 Drawings. All maps shall be drawn at a scale no smaller than 1 inch = 200 feet on reproducible (Mylar) drawings. One original copy and one blue line print of each final drawing shall be delivered to CEHNC. Grid lines referenced to NAD83, and a true North Arrow and Magnetic North Arrow shall be shown on each map.

3.3.3.5 Schedule. All work and services under this paragraph shall be completed and submitted to CEHNC IAW with paragraph 4.1 of this SOW.

3.3.4 During all field and intrusive activities the survey crew shall be accompanied by an UXO Specialist and magnetometer.

3.4 (TASK 4) PERFORM UNEXPLODED ORDNANCE REMOVAL. This task shall be accomplished IAW Section C, paragraph 3.5, of the basic contract.

3.4.1 The contractor shall furnish all necessary personnel and equipment to perform a surface and subsurface clearance of all OE on the project site to a depth of 1 foot on and along trails and 4 feet in campsites. This action shall include all OE-related scrap. Non OE-related metal scrap will be left.

3.4.2. A planned, systematic approach shall be utilized to search and clear the project site that will result in optimum search effectiveness. The proposed methodology shall be outlined in the WP.

3.4.3 UXO encountered during this project shall be disposed of IAW operational instructions for protection of the Cheat Mountain Salamander (para. 3.2). Manual procedures for armed UXO shall not be utilized unless approved by the on-site CEHNC Safety Specialist, who will have

access to all 60-series publications.

3.4.4 All UXO operations shall comply with the U.S. Army Engineering and Support Center, Huntsville, Safety Concepts and Basic Considerations for Unexploded Explosive Ordnance (UXO). Only CEHNC approved UXO personnel shall perform UXO-related tasks.

3.4.5 The contractor shall maintain a detailed accounting of all UXO encountered on the project site. This accounting shall include the amounts of UXO, identification, condition, depth located, disposition, and location/mapping. This accounting shall be a part of the Removal Report.

3.4.5.1 An accountability system shall be used that accounts for all demolition materials expended in the disposal of UXO.

3.4.6 If a scenario is encountered that precludes detonating an UXO in place, an unidentifiable UXO is found, or a suspected toxic chemical munition is found, the on-site CEHNC Safety Specialist will request EOD support.

3.4.7 The contractor shall have a contingency plan in place to provide demolition materials in the event the Government supply is depleted and/or resupply is not timely. This shall be outlined in the WP.

3.4.8 During the subsurface operation the contractor shall use a magnetometer capable of detecting a 75mm projectile to a depth of 3 feet. The contractor shall dig to a depth of one foot on and along trails and four feet in campsites to determine the identity of the magnetic anomaly. The on-site CEHNC Safety Specialist may approve deeper excavation if he determines it necessary.

3.4.8.1 Magnetometers shall be field tested daily to ensure that they are operating properly. This shall be accomplished by planting a inert 75mm projectile or similar inert object to a depth of 3 feet and determining the standard indication. If a magnetometer does not meet the standard during the daily check, it shall be calibrated, repaired, or replaced.

3.4.9 If an excavation is required in the potential habitat of an endangered/protected plant or animal, excavation shall proceed only after approval by the Forest Service representative.

3.4.10 Unless approved by the CEHNC Safety Specialist, all recovered UXO shall be disposed of daily.

3.4.11 All access/excavation/detonation holes shall be backfilled IAW Cheat Mountain Salamander operational instructions.

3.5 (TASK 5) TURN IN OF RECOVERED INERT UXO AND RELATED SCRAP:

3.5.1 The contractor shall furnish all necessary personnel and equipment to turn in all recovered inert UXO-related scrap. The methodology to accomplish this task shall be proposed in the WP.

3.5.2 Inert UXO-related scrap shall be segregated from other types of scrap. Inert ordnance items shall be vented IAW Safety Concepts and Basic Considerations prior to turn in.

3.5.3 The contractor shall complete a DD Form 1348-1 and/or local form required by DRMO. The contractor shall prepare, and the Senior UXO Supervisor shall sign, a certificate as follows:

"I certify that the property listed hereon has been inspected by me and, to the best of my knowledge and belief, contains no items of a dangerous nature."

3.5.4 DRMO turn-in documentation receipts shall be submitted as a component of the Removal Report.

3.6 (TASK 6) PERFORM QUALITY CONTROL:

3.6.1 The contractor shall furnish the necessary personnel and equipment to administer a Quality Control (QC) Program to manage, control, and document contractor and subcontractor activities. The methodology to accomplish this task shall be proposed in the WP. The QC activities shall be documented and included in the Removal Report.

3.6.2 During the Government's periodic QA inspections, if an UXO is located in a grid, that entire grid shall be reswept by the contractor.

3.7 (TASK 7) **PREPARE AND SUBMIT REMOVAL REPORT:** At the conclusion of all field activities, the contractor shall submit the Removal Report which consists of the following:

3.7.1 All original surveying and mapping data from Task 3.

3.7.2 Detailed accounting of all UXO and UXO-related materials located and destroyed.

3.7.3 A daily journal of all activities associated with this SOW.

3.7.4 A recapitulation of exposure data. This shall include total number of man-hours worked on site, total motor vehicle mileage, total number of personnel flying hours, and number of flights.

3.7.5 QC documentation.

3.7.6 DRMO turn-in documentation.

3.7.7 A minimum of 20 4" X 6" color photographs shall be included in the report depicting

major action items and UXO discoveries. The original Final Report furnished to CEHNC shall include original photographic prints. Photographs contained in draft submissions and copies of final submissions shall be color reproductions. Further, a minimum of 45 minutes of narrated video tape depicting all activities shall be provided in three copies to CEHNC.

3.8 CONTRACTOR QUALIFICATIONS: The contractor shall furnish a staff that is qualified through education, training, and experience that shall accomplish the objective and tasks of this SOW. Federal military and civilian employees shall not be employed by the contractor in the performance of any work under the contract (eg: during off-duty hours, regular hours, or while on annual or terminal leave). Resumes for UXO and other personnel, which document the following qualifications, shall be included in the WP for approval. If UXO personnel are substituted at the project site, their resumes shall be approved by CEHNC representatives prior to their admittance onto the site.

3.8.1 Training and medical screening IAW 29CFR 1910.120(e) is required for this project.

4.0 SUBMITTALS: The contractor shall furnish copies of the plans, maps, and reports as identified in paragraph 4.1 to each addressee listed below in the quantities indicated. The contractor shall use express mail services for delivering these plans and reports. Following each submission, comments generated as a result of their review shall be incorporated.

ADDRESSEE	COPIES
US Army Engineering and Support Center, Huntsville ATTN: CEHNC-PM-OT (Mr. Bill Sargent) PO BOX 1600 Huntsville, Alabama 35807-4301	10
US Army Engineer District, Huntington ATTN: CEORH-DL-M (Mr. Richard Meadows) 502 8th St Huntington, WV 25701-2070	2
USDA Forest Service Potomac Ranger District ATTN: (N. Feakes) HC 59, Box 240 Petersburg, WV 26847	3
Mr. B. Durham Supervisors Office, Monongahela National Forest 200 Sycamore St. Elkins, WV 26241	3

Commander,
542th Ordnance Detachment (EODCT)
Fort Dix, NJ 08640-5000

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4.1 Submittals and Due Dates:

SUBMITTAL	DUE DATES
Disposal Feasibility Letter	5 calendar days after site visit
Draft Work Plan	18 calendar days after site visit
Final Work Plan	48 calendar days after site visit
Draft Removal Report	30 calendar days after completion of field work
Final Removal Report	30 calendar days after receiving review comments

5.0 PUBLIC AFFAIRS: The contractor shall not make available or publicly disclose any data generated or reviewed under this contract or any subcontract unless specifically authorized by the Contracting Officer and the Huntington District Public Affairs Office (PAO). When approached by any person or entity requesting information about the subject of this contract, the contractor shall defer to the PAO for response. Reports and data generated under this contract shall become the property of the Government and distribution to any other source by the contractor is prohibited unless authorized by the Contracting Officer.

6.0 REFERENCES:

- 6.1 DOD Manual 4160.21.M, Defense Utilization and Disposal Manual.
- 6.2 AR 200-1, Environmental Protection and Enhancement.
- 6.3 AR 385-40 with USACE Supplement.
- 6.4 EM 385-1-1, USACE Safety and Health Requirements Manual.
- 6.5 TM 9-1300-206, Ammunition and Explosive Standards.
- 6.6 CEHNC Safety Concepts and Basic Considerations for UXO.

7.0 GOVERNMENT FURNISHED.

7.1 UXO technical publications/information (CEHNC).

7.2 Available equipment (CEHNC)

7.3 Mapping and GIS Data as described in Task 3 (CEHNC).

SURVEILLANCE PLAN
CONTRACT DACA87-94-D-0019
(Attachment)

TASK ORDER NO. 20

CONTRACTOR: HFA, Inc.

PERSONNEL:

Project Manager: David Shafii
Contracting Officer: Mary Dowling
Contract Specialist: Patricia Newman
COR: Margaret Wilson
Safety Specialist: Robert Bohannon/Jerry Thornton
Property Manager: Charles Bell
Technical Manager: Kevin Healy
Geographic LCPM: Richard Meadows

SPECIFIC SURVEILLANCE RESPONSIBILITIES:

- a. Provide technical guidance to the contractor when necessary or requested.
- b. Maintain files for accountability of materials and equipment delivered to the Contractor and by the Contractor to the Government.
- c. Monitor Contractor's daily activity as relates to use of personnel and the probability of meeting milestones.
- d. Review and make recommendations to the Contracting Officer for payment action, all vouchers, claims, request for adjustment to contract costs and other associated payment matters. Maintain a file on these actions.
- e. Report any problems or discrepancies to the Contracting Officer at the earliest time.
- f. Prepare and submit a periodic report to the Contracting Officer on the status and progression of the Task Order.

An HNC Safety Specialist will monitor contractor activities for adherence to work safety regulations and guidelines. The Safety Specialist will also assist the COR in monitoring Quality Control at the site. COR will be required to have Corps construction experience, and will also act as the Corps' primary POC for all public involvement activities within and near the project area. If the COR is a trained EOD Safety Specialist, the COR may also be asked to function as the permanent (or temporary) Corps Safety Specialist.

SURVEILLANCE PLAN
CONTRACT DACA87-94-D-0019
ORDNANCE AND EXPLOSIVE WASTE REMEDIATION ACTIVITIES
AT FORMERLY USED DEFENSE SITES, ACTIVE DOD INSTALLATIONS, DEFENSE
SITES IDENTIFIED UNDER BRAC, PROPERTY ADJOURNING DOD INSTALLATIONS,
AND ON OTHER FEDERAL GOVERNMENT OWNED/CONTROLLED SITES
IN THE CONTINENTAL UNITED STATES, ALASKA, AND HAWAII

24 June 1997

1. Purpose of the Surveillance Plan

The purpose of this Plan is to establish procedures and responsibilities for the technical, management, and financial oversight of individual Indefinite Delivery task orders generated under this OE removal action contract.

2. Purpose of the Contract

The purpose of this contract is for the Contractor to safely locate, identify, and dispose of Ordnance and Explosive Waste (OE) at various Formerly Used Defense Sites (FUDS), and on active Department of Defense (DoD) Installations. Defense Sites identified under the Base Realignment and Closure Act (BRAC), property adjourning DOD installations, and other federally controlled/owned sites which have been impacted by DOD operations. The facilities are current or formerly used military installations used for storage, evaluation, and disposal of OE materials for military training. OE is a safety hazard and constitutes an imminent and substantial endangerment to site personnel and the local populace.

3. Quality Control Plan

The Contractor is required under 52.246-6, Inspection--Time-And-Material And Labor-Hour clause of the Contract, to provide and maintain an inspection system acceptable to the Government covering the material, fabricating methods, work, and services under this Contract. Complete records of all inspection work performed by the Contractor shall be maintained and made available to the Government during contract performance and for as long afterwards as the Contract requires.

4. Unannounced/Announced Audits And Site Visits

CEHNC will schedule unannounced and announced audits and inspection visits to the Contractor's work site, in accordance with HNDM 1110-1-13, paragraph 6-9 and appendices E and F. This action will be initiated by the Project Manager.

5. Payment Estimate/Invoice Reviews

All vouchers are reviewed and approved by DCAA prior to receipt at the paying office at CEHNC. The Contract Specialist will be required to review each spreadsheet created from vouchers received for tracking costs, which includes the amounts charged on the invoice, cumulative amount charged to date, and the amount available under the Task Order. The Project Manager further reviews the vouchers to verify completion, delivery and satisfaction, and to determine that the costs are allowable, allocable and reasonable.

6. Technical Reviews of Contract Modifications

Prior to any contract/task order Scope Of Work (SOW) change being made, the Project Manager is required to perform a technical review of the change to ensure technical validity of the change.

7. Independent Government Estimate (IGE) for Contract Modifications

The Cost Engineer will prepare Independent Government Estimates (IGE) for each contract modification, with input as required from the Project Manager and Technical Manager.

8. Government Furnished Property

If Government Furnished Property (GFP) is provided to the Contractor, accounting and tracking will be in accordance with 52.245-5, Government Property (Cost-Reimbursement, Time-And-Material, or Labor-hour Contracts). The Project Manager is to ensure that the Property Manager is notified of accountable property purchased under the Task Order.

9. Site Safety Plan

A Site-Specific Safety and Health Plan (SSHP) shall be prepared and submitted for review and acceptance by the Government prior to the commencement of any on-site activity. Enforcement will be the responsibility of the Project Manager/COR with assistance as required from the CEHNC Safety Office.