# TABLE OF CONTENTS

## 1.0 INTRODUCTION

- 1.1 GENERAL DESCRIPTION .................................................. 1-1
- 1.2 AUTHORITY ...................................................................... 1-1
- 1.3 TECHNICAL SCOPE OF WORK............................................ 1-1

## 2.0 DISCUSSION OF WORK PERFORMED ........................................ 2-1

- 2.1 PROJECT PREPARATION AND PLANNING................................ 2-1
- 2.2 WORK PLAN ..................................................................... 2-1
- 2.3 PHASE I – MOBILIZATION .................................................. 2-2
  - 2.3.1 LOCAL COORDINATION ................................................. 2-2
  - 2.3.2 SITE-SPECIFIC TRAINING ............................................. 2-2
- 2.4 PHASE II – FIELD OPERATIONS ......................................... 2-2
  - 2.4.1 LOCATION SURVEYS .................................................. 2-2
  - 2.4.2 VEGETATION CLEARANCE .......................................... 2-3
  - 2.4.3 REMOVAL ACTION ...................................................... 2-3
  - 2.4.4 MEETINGS AND PRESENTATIONS .................................. 2-5
- 2.5 PHASE III – DEMOBILIZATION ............................................ 2-5
- 2.6 REMOVAL ACTIONS FOR AREA 4, COMPLEX 1 – SUBTASK 3F ... 2-5
- 2.7 REMOVAL ACTION FOR AREA 4, COMPLEX 2 – SUBTASK 3I ... 2-10
- 2.8 REMOVAL ACTION FOR AREA 4C – SUBTASK 3 ................................ 2-15
- 2.9 SITE WIDE INSTITUTIONAL CONTROLS – SUBTASK 3J ............ 2-15
  - 2.9.1 RESTORATION ADVISORY BOARD SUPPORT ................... 2-15
  - 2.9.2 SIGNAGE REPLACEMENT ......................................... 2-15
- 2.10 EVACUATIONS – SUBTASK 3K ........................................... 2-15

## 3.0 DOCUMENTATION .................................................................. 3-1

- 3.1 GRID RECORDS .................................................................. 3-1
- 3.2 SITE PHOTOGRAPHS .......................................................... 3-1
- 3.3 FIGURES .......................................................................... 3-1
- 3.4 QC/QA DOCUMENTATION ................................................. 3-1
- 3.5 WEEKLY REPORTS ............................................................. 3-1
- 3.6 LESSONS LEARNED ............................................................ 3-1
  - 3.6.1 EVACUATIONS ............................................................. 3-1
  - 3.6.2 DEMOLITION PROCEDURES ......................................... 3-2

## 4.0 TESTS .................................................................................. 4-1

- 4.1 INSTRUMENT AND EQUIPMENT TESTING, CALIBRATION, AND MAINTENANCE .................................................. 4-1
  - 4.1.1 TESTING PROCEDURES AND FREQUENCY ...................... 4-1
  - 4.1.2 GEOPHYSICAL TEST STRIP ........................................... 4-1
  - 4.1.3 ROUTINE EQUIPMENT CHECKS ..................................... 4-1
  - 4.1.4 CALIBRATION ............................................................. 4-2
  - 4.1.5 MAINTENANCE ............................................................. 4-2
- 4.2 QUALITY CONTROL .............................................................. 4-2
4.2.1 QC/QA SEED ITEMS................................................................. 4-2
4.2.2 HANDHELD METAL DETECTOR ........................................... 4-2
4.2.3 FAILURE CRITERIA............................................................... 4-2
4.2.4 CORRECTIVE ACTION REQUESTS ....................................... 4-3
4.2.5 MD...................................................................................... 4-3

4.3 QUALITY CONTROL INSPECTIONS, AUDITS, AND REPORTS .................. 4-3

5.0 FINANCIAL BREAKDOWN.............................................................................. 5-1

6.0 SUMMARY.............................................................................................. 6-1

6.1 REMOVAL ACTION SUMMARY ...................................................... 6-1
   6.1.1 REMOVAL ACTIONS ........................................................... 6-1
   6.1.2 MEC SUMMARY .................................................................. 6-2

6.2 INSTITUTIONAL CONTROLS ......................................................... 6-2

6.3 EVACUATIONS ..................................................................................... 6-2

This space is intentionally left blank.
# LIST OF TABLES

| Table 2-1: Complex 1, Unit 10 Properties Cleared | 2-6 |
| Table 2-2: Complex 1, Unit 11 Properties Cleared | 2-6 |
| Table 2-3: Complex 1, Unit 12 Properties Cleared | 2-7 |
| Table 2-4: Complex 1, Unit 13 Properties Cleared | 2-8 |
| Table 2-5: Complex 1, Unit 14 Properties Cleared | 2-9 |
| Table 2-6: Complex 2, Unit 4 Properties Cleared | 2-10 |
| Table 2-7: Complex 2, Unit 5 Properties Cleared | 2-11 |
| Table 2-8: Complex 2, Unit 6 Properties Cleared | 2-12 |
| Table 2-9: Complex 2, Unit 7 Properties Cleared | 2-13 |
| Table 2-10: Complex 2, Unit 8 Properties Cleared | 2-14 |
| Table 2-11: Area 4C Properties Cleared | 2-15 |
| Table 2-12: Evacuations by Areas Cleared | 2-16 |
| Table 4-1: Test Strip As-Built Characteristics | 4-1 |
| Table 5-1: Task 3J T&M Costs During 2010 | 5-1 |
| Table 6-1: Results of 2010 Removal Actions | 6-1 |
| Table 6-2: MEC Items Recovered and Disposed 2010 | 6-2 |

# APPENDICES

- **Appendix A:** Scope of Work
- **Appendix B:** MEC and MD Accountability
- **Appendix C:** Site Photographs
- **Appendix D:** Maps
- **Appendix E:** Quality Control/Quality Assurance Documentation
- **Appendix F:** Operations Reports
ACRONYMS AND ABBREVIATIONS

BIP  Blown-in-place
CFR  Code of Federal Regulations
DMM  Discarded Military Munition
ESS  Explosives Safety Submission
GPS  Global Positioning System
HAZWOPER  Hazardous Waste Operations
HE  High Explosives
HFD  Hazardous Fragmentation Distance
Lb  pound
MD  Munitions Debris
MEC  Munitions and Explosives of Concern
MGFD  Munition with the Greatest Fragmentation Distance
NCANG  North Carolina Army National Guard
PM  Project Manager
QA  Quality Assurance
QC  Quality Control
RAB  Restoration Advisory Board
ROE  Right(s) of Entry
SUXOS  Senior UXO Supervisor
USACE  U.S. Army Corps of Engineers
USA  USA Environmental, Inc.
USACE  U.S. Army Corps of Engineers
UXO  Unexploded Ordnance
UXOQCS  UXO Quality Control Specialist
UXOSO  UXO Safety Officer
UXOTI  UXO Technician I
UXOTII  UXO Technician II
UXOTIII  UXO Technician III

This space is intentionally left blank.
CHAPTER 1

1.0 INTRODUCTION

This chapter outlines the project regulatory authority and work performed by USA Environmental, Inc. (USA) for the U.S. Army Corps of Engineers (USACE) Savannah District, and describes the removal action conducted at the former Camp Butner located in Butner, North Carolina. This report is an annual report for work accomplished during 2010, and includes supporting documentation that can be found in Appendices A through F. Referenced tables are in the text of the report, while referenced figures (maps) can be found in Appendix D. All activities involving work in areas potentially containing munitions and explosives of concern (MEC) were conducted in full compliance with the U.S. Army Corps of Engineers (USACE), Department of the Army, and Department of Defense requirements regarding personnel, equipment, and procedures. All site operations were performed in accordance with the Scope of Work dated 27 June 2005 and including all revisions through 30 November 2010 (see Appendix A).

1.1 GENERAL DESCRIPTION

The former Camp Butner is comprised of approximately 40,384 acres, which includes the town of Butner and the North Carolina Army National Guard (NCANG) Camp Butner Training Site (See Figure D-1). The NCANG training site encompasses 4,750 acres of active range and is situated in portions of Person, Durham, and Granville Counties, in North Carolina. The boundary of the former Camp Butner is defined by the old Range Road, which makes a continuous loop around the site, although identified by multiple names and County designations. Approximately 75 percent of the site is located within Granville County. The northern and eastern boundaries roughly follow Range Road (County Road 1126). County Road 1721, which is a continuation of Range Road into Person County, defines the Camp’s western boundary and continues southward onto Cassam Road. The Southern Railroad tracks define the southeastern border of the site. The nearest urban area to the site is Durham, which is 15 miles away.

1.2 AUTHORITY

USA was tasked under Contract Number W912DY-04-D-0006, Task Order No. 0007 to perform a removal action at Camp Butner. MEC is a safety hazard and may constitute a threat to the local population. USA performed the work associated with this response action in a manner consistent with USACE, Department of Army, and Department of Defense requirements. All operations at the site were performed in accordance with the Occupational Safety and Health Administration Hazardous Waste Operations and Emergency Response Standard 29 Code of Federal Regulation (CFR) 1910.120. As the responsible USACE district for remediation of the Defense Environmental Restoration Program for Formerly Used Defense Sites within North Carolina, USACE Wilmington District is responsible for the remediation of the former Camp Butner. USACE Savannah District is responsible for execution of MEC removal projects for North Carolina.

1.3 TECHNICAL SCOPE OF WORK

The objective of this project was to perform a removal action to remove and dispose of all explosive hazards within the selected areas at the former Camp Butner. For each subtask, specific quality control/quality assurance (QC/QA) targets were established with the requirement to remove all MEC objects with a width (diameter) or thickness inclusive of the QC/QA criteria MEC items, to a depth of 11 times the diameter of the criteria MEC items. The removal action complies with the signed Action Memoranda dated May 2005 and January 2006.

USA’s technical approach to all sites is based on the use of detect and dig clearance operations using hand-held metal detectors or magnetometers. This report contains generic information about USA approach to the removal action and specific information about the results of each removal action subtask.
The following tasks were required by the Scope of Work:

- Task 1: Project Preparation and Planning
- Task 2: Work Plan
- Task 3: Removal Action
  - 3a: Area 1A Flamethrower Range
  - 3b: Complex 1 Area 4A
  - 3c: Complex 1 Area 4B
  - 3d: Complex 1 Area 4D
  - 3e: Complex 1 Area 4E
  - 3f: Complex 1 Area 4 Remaining Lands
  - 3g: Lakeview Subdivision
  - 3h: Complex 2 Area 4C
  - 3i: Complex 2 Area 4 Remaining Lands
  - 3j: Site-Wide Institutional Controls
  - 3k: Evacuation
  - 3m: Mobilizations/Demobilizations for Subtasks 3F and 3I
- Task 4: Geospatial Data
- Task 5: Final Report (converted to three Annual Reports by the 24 SEP 2008 revision of the SOW)
- Task 6: Project Management.

This space is intentionally left blank.
CHAPTER 2

2.0 DISCUSSION OF WORK PERFORMED

This chapter describes the primary work presented in this annual report to include the activities that were performed from July 2010 through December 2010 to implement Task 3, subtasks 3f and 3i. Removal actions were completed at Area 4, Complex 1, Units 10 through 14; at Area 4, Complex 2, Units 4 through 8; and at Area 4C.

Sections 2.1 through 2.5 describe general activities USA performed during each phase of the work, describing mobilization, field operations, MEC disposal, certification and disposal of Munitions Debris (MD), quality control, and demobilization. Tables in Sections 2.6 through 2.8 define the properties cleared, dates of actions, and results of the clearances. Sections 2.9 and 2.10 identify institutional control activities and evacuations incurred in support of the removal actions.

USA performed operations at the former Camp Butner project site in a systematic manner using proven operating techniques and methods. Operational activities were performed under the supervision and direction of qualified unexploded ordnance (UXO) personnel. Non-essential personnel were prohibited from performing operations, unless they were accompanied and supervised by a qualified UXO Technician. Throughout operations, USA strictly adhered to the following general practices.

- Operations were conducted during daylight hours only.
- All personnel attended a daily general safety briefing and tailgate safety briefing prior to beginning work on site.
- Visitors received a safety briefing prior to entering the operating areas and were escorted at all times by the Senior UXO Supervisor (SUXOS), UXO Safety Officer (UXOSO), or UXO Quality Control Specialist (UXOQCS).

The following general discussion addresses the work performed in execution of the Scope of Work tasks, including equipment and facilities utilized, data obtained, and removal action results.

2.1 PROJECT PREPARATION AND PLANNING

The project preparation and planning task includes a site visit and two Technical Project Planning meetings. USA conducted a post-award site visit on 8 August 2005, but no Technical Project Planning meetings were requested or conducted.

2.2 WORK PLAN

The Final Work Plan was submitted on 15 December 2005 and approved on 12 January 2006. The following amendments have been incorporated into the Work Plan:

- Amendment 1 – Submitted on 24 January 2006 to allow the option of detect and dig operations, as well as detect and flag operations.
- Amendment 2 – Submitted on 16 March 2007 to change the Munition with Greatest Fragmentation Distance (MGFD) for Area 4D from 37mm to 105mm projectile.
- Amendment 3 – Submitted on 11 October 2007 to incorporate Amendments 2 and 3 of the Explosives Safety Submission (ESS) and the 5 October 2007 approval memorandum and to incorporate the Hazardous Fragmentation Distances (HFDs) for all areas changed by ESS Amendment 3.
- Amendment 4 – Submitted on 8 November 2007 to change the HFD for Area 4C due to the finding of a 155mm projectile.
• Amendment 5 – Submitted on 3 April 2008 to change the HFD for Area 4C Complex 2 Remaining Lands due to the finding of a 155mm projectile.

2.3 PHASE I – MOBILIZATION

This section discusses the activities conducted as part of the typical mobilization operation and provides the site-specific training that was completed by site personnel.

2.3.1 LOCAL COORDINATION

The SUXOS mobilized on 10 July 2010 before the clearance teams in order to coordinate with local sources for leased equipment, lodging, and other support. The SUXOS visited as many of the first schedule residences as possible in order to coordinate evacuations. The SUXOS also received and inventoried project equipment and procured team materials. Four MEC teams mobilized on 18 July along with the UXOQCS and UXOSO, and 19 July was used for orientation and training of the MEC teams.

A local resident was hired as a Field Office Administrator (FOA), with the duties of assisting in preparation of daily and weekly reports, soliciting Right of Entry (ROE) signatures, and coordinating evacuations. The FOA was familiar with the community around Camp Butner, and for the duration of field work went door-to-door to explain ROE forms and obtain signatures, and to gain agreements to evacuate.

2.3.2 SITE-SPECIFIC TRAINING

USA performed site-specific training for all personnel assigned to this project to ensure that all personnel fully understood the procedures and methods to perform operations at the former Camp Butner, their individual duties and responsibilities, and all safety and environmental practices/procedures associated with site operations. The following training was provided to site personnel.

• Prior to deployment, the SUXOS received operational briefings on his duties and responsibilities, and reviewed the work and safety plans.
• Prior to mobilization, all UXO personnel received 40-hour (or 8-hour refresher) training, as required.
• At the site and prior to the start of operations, the SUXOS and UXOSO provided the USA teams with ordnance recognition and MEC safety precautions training.
• All personnel received training on the individual equipment they were to operate while on site.

All personnel on site completed a pre-placement or annual physical examination that complies with the requirements of 29 CFR 1910.120. Also, all personnel were certified as fit to work by an Occupational Physician certified in Occupational Medicine by the American Board of Preventive Medicine or who, by necessary training and experience, is board eligible. All UXO personnel on site were participants in the USA medical surveillance program during site operations.

2.4 PHASE II – FIELD OPERATIONS

This section describes the typical activities conducted as part of the Phase II field operations.

2.4.1 LOCATION SURVEYS

For areas to be cleared, boundaries for the 2-acre areas around individual residences were estimated in the field by the SUXOS. The SUXOS recorded Global Positioning System (GPS) coordinates for the corners and submitted to the USA GIS Manager for development of more accurate maps. The GIS-developed maps were then submitted to the SUXOS for adjustment of corners, if necessary, to obtain the
required 2 acres of clearance. At times removal boundaries were less than 2 acres due to smaller lot size, and USA compensated where possible by enlarging boundaries over 2 acres where lot sizes permitted. As-built coordinates of the 2-acre areas were taken using the Trimble GeoXT.

2.4.2 VEGETATION CLEARANCE

Many of the properties required cutting of vegetation in order to enable a proper MEC clearance. Much of the vegetation clearance was completed by the UXO Technicians using hand-held weed-whackers. Where large areas of high vegetation were encountered, a local farmer was hired to clear with a tractor-mounted bush hog.

2.4.3 REMOVAL ACTION

Removal actions for the individual subtasks are described in Sections 2.6 through 2.9. In general, surface and subsurface removal operations were conducted to depth of detection. The HFD was based on the MGFD defined for that subtask in the Work Plan.

2.4.3.1 Detect/Dig Operations

Each MEC Team, consisting of a UXO Technician III (UXOTIII) Team Leader and five UXO Technician II/I (UXOTII/I) personnel, performed a metal detector search of the grids. Grids were searched in 5-ft lanes and cleared to depth. The anomalies were excavated, identified, recorded, and either destroyed by detonation in place or moved to a consolidation point within the area by the Demolition Team. The following subsections describe the equipment and procedures that the individual MEC Teams used to search and clear the individual grids.

2.4.3.1.1 Equipment

The equipment requirements for this activity included:

- Schonstedt GA-52C magnetometers and White’s all-metals detectors for detecting subsurface metallic anomalies
- Pre-marked baselines for subdividing grids into individual search lanes
- Rope reels containing nylon rope/twine for marking individual search lanes
- Five-gallon plastic buckets for temporary collection of recovered metal
- Miscellaneous common hand tools (e.g., shovels, pry bars, trowels)
- Forms and logbooks for recording site activities and MEC encountered.

2.4.3.1.2 Search Lanes

Each property was gridded, and the grids subdivided into individual search lanes consisting of parallel paths approximately 5 ft wide that ran parallel to one boundary of the operating grid. Search lanes ran adjacent to each other and completely covered the entire operating grid. To lay out the search lanes, the MEC Team Leaders had team members perform the following steps:

- Select two opposing boundary lines for installation of the pre-marked lane base lines
- Install one of the pre-marked base lines along each boundary
- Lay out rope or twine between the marks on both baselines to mark individual lane boundaries.
2.4.3.1.3 Detect/Dig Operation

After establishing the individual search lanes, the UXOTIII directed the UXOTII/I personnel to begin searching each lane with a Schonstedt GA-52Cx magnetometer, White’s all-metals detector, or a combination of both depending on site geology. UXOTII/I personnel started at one end of each lane and moved forward toward the opposing baseline. During the forward movement, the individual moved the detector from one side of the lane to the other. Both forward movement and the swing of the detector were conducted at a pace that ensured a complete search of the lane and that the instrument was able to appropriately respond to subsurface anomalies.

Whenever encountering a subsurface anomaly or metallic surface object, the individual halted and investigated the anomaly. Each anomaly was excavated by carefully digging alongside of the location of the anomaly and removing the earth overburden using a shovel or trowel. When the overburden was removed to within 6 inches of the anomaly, the UXOTII/I removed the remaining earth using a trowel or other small digging implement. All anomalies were pursued to depth. At the completion of investigations, each hole was checked with a detector to ensure no metallic contacts remained. Throughout this operation, the UXOTIII closely monitored individual performance to ensure that these procedures were performed with due diligence and attention to detail.

2.4.3.1.4 Records

The UXOTIII’s prepared and maintained a detailed accounting of activities performed at each grid or residence. The Daily Operations Record included information pertaining to the following:

- The date and time operations began
- The date and time operations were completed
- The location, number, type, and description of MEC items encountered, and whether the MEC item was UXO or Discarded Military Munition (DMM)
- The location and number of subsurface anomalies detected and investigated
- An estimated weight, in pounds, of the MD removed from the grid
- The locations of all MEC items recorded by GPS in Universal Transverse Mercator coordinates.

2.4.3.2 MEC Disposal

MEC disposal was conducted in accordance with the Work Plan, using sandbags or earth cover. Nearby residents were warned in advance of a pending demolition shot.

2.4.3.3 MD Disposal

All recovered MD was placed in a 5-gallon bucket by clearance teams. A UXOTII performed a visual inspection at the end of each workday to ensure all MD did not contain any energetic material and all surfaces were clearly visible, free of dirt. The UXOTIII also visually inspected all MD to verify the MD was free of HE prior to placing all material in a 55-gallon drum and closing with a lid. The UXOTIII estimated MD weight at each area for entry into the grid log. The SUOX secured all MD in a rented storage unit at the end of the workday. Upon completion of operations at each area, the SUOX moved the MD to a CONEX container on Army National Guard property on the former Camp Butner site. All MD was inspected by the SUOX, cleared of dried mud, and weighed on an inexpensive non-commercial scale. The SUOX sealed the MD in 55-gallon drums, certified with a completed DD Form 1348-1A, and shipped to Chesapeake Metals, Inc., during demobilization. The shipment, consisting of 2,534 lbs of MD as weighed by the trucking company receiving the load, occurred on 16 December 2010. Chesapeake Metals, Inc., of Richmond, Virginia, confirmed destruction of 2534 lbs of MD on 20 December 2010 (see Appendix B).
2.4.3.4 Quality Control and Quality Assurance

Throughout operations, USA performed QC inspections that consisted of daily inspections of operational activities and formal inspections of completed work. Daily inspections included checks of maintenance and calibration procedures, and assessment of compliance with the Work Plan (see Chapter 4, Tests). Following completion of investigations of a grid or property, the UXOQCS performed a formal inspection to determine if the MEC team had missed any metallic items of target size or larger. Upon passing the QC inspection, the grid or property was turned in to the USACE Savannah District Safety Specialist for approval. The Safety Specialist performed a Quality Assurance (QA) inspection of the completed grid or property, and signed a CEHNC Form 948 signifying that the property had passed inspection. No grids or properties were failed during QA inspections.

2.4.4 MEETINGS AND PRESENTATIONS

Throughout the duration of field work, USA Project Manager (PM) attended Restoration Advisory Board (RAB) meetings in the Town of Butner to provide progress updates, discuss work plans for the upcoming quarter, and coordinate on issues such as evacuations or rights of entry (ROE). While field activities were in progress, USA PM provided weekly status reports to USACE Savannah District, to include fund expenditures and projections. Monthly project status reports were provided when field activities were not in progress.

2.5 PHASE III – DEMOBILIZATION

As part of the demobilization process, USA removed operational capability from the area and reallocated personnel and equipment to other projects. Following the completion of operations, leased/rented equipment was returned to vendors, and USA property was returned to the USA Oldsmar office. Signage was manufactured under the Time and Materials task, and extra signs were turned over to Wilmington District. Any damages to trees, utilities, or facilities were repaired or compensated by USA Environmental before demobilization. Re-vegetation or re-seeding was provided for individual residences, as required. All MD was certified by the SUXOS and verified by the USACE OE Safety Specialist, sealed in 55-gallon drums, and shipped to Chesapeake Metals, Inc., on 16 December 2010 during demobilization.

2.6 REMOVAL ACTIONS FOR AREA 4, COMPLEX 1 – SUBTASK 3F

This section summarizes the removal operations conducted at Complex 1 during 2010, which included 5 residences within Unit 10 and Units 11 through 14, a total of 45 residences. The MGFD for Complex 1 was based on the 105mm projectile as the MGFD, with an HFD of 341 ft. The 37 mm projectile was the smallest target anomaly for depth of detection. Figures D-3 through D-47 show the area cleared for each individual residence in Complex 1. Tables 2-1 through 2-6 identify the properties cleared, acreages, starting and ending dates, MEC and MD found, and number of anomalies investigated during the removal action. The grid log at Appendix B describes in detail the types of MEC and MD found at each property. Appendix E contains the CEHNC Forms 948 certifying approval of the removal action at each residence.

This space is intentionally left blank.
Table 2-1: Complex 1, Unit 10 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 1 - Unit 10 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC items found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-6 (1093 Bourbon Street)</td>
<td>Washington</td>
<td>1.0</td>
<td>12-Jul</td>
<td>20-Jul</td>
<td>0</td>
<td>66</td>
<td>1,009</td>
</tr>
<tr>
<td>10-7 (1091 Bourbon Street)</td>
<td>Mikels</td>
<td>1.0</td>
<td>12-Jul</td>
<td>20-Jul</td>
<td>0</td>
<td>0</td>
<td>2,010</td>
</tr>
<tr>
<td>10-8 (1089 Bourbon Street)</td>
<td>Carrigan</td>
<td>1.1</td>
<td>15-Jul</td>
<td>20-Jul</td>
<td>0</td>
<td>1</td>
<td>550</td>
</tr>
<tr>
<td>10-9 (1090 Bourbon Street)</td>
<td>Cope</td>
<td>1.6</td>
<td>19-Jul</td>
<td>20-Jul</td>
<td>0</td>
<td>3</td>
<td>1,610</td>
</tr>
<tr>
<td>10-10 (1088 Bourbon Street)</td>
<td>Dixon</td>
<td>1.2</td>
<td>15-Jul</td>
<td>20-Jul</td>
<td>0</td>
<td>0</td>
<td>934</td>
</tr>
<tr>
<td>Totals for 2010</td>
<td></td>
<td>5.9</td>
<td></td>
<td></td>
<td>0</td>
<td>70</td>
<td>6,113</td>
</tr>
</tbody>
</table>

Table 2-2: Complex 1, Unit 11 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 1 - Unit 11 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC items found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-1 (1044 Enon Road)</td>
<td>Tunstall</td>
<td>1.8</td>
<td>20-Jul</td>
<td>2-Aug</td>
<td>0</td>
<td>0</td>
<td>2,865</td>
</tr>
<tr>
<td>11-2 (1114 Roberts Chapel Rd)</td>
<td>Schmidt</td>
<td>2.1</td>
<td>20-Jul</td>
<td>27-Jul</td>
<td>0</td>
<td>18</td>
<td>2,385</td>
</tr>
<tr>
<td>11-3 (1086 Roberts Chapel Rd)</td>
<td>Arrington</td>
<td>2.0</td>
<td>16-Aug</td>
<td>19-Aug</td>
<td>0</td>
<td>0</td>
<td>1,562</td>
</tr>
<tr>
<td>11-4 (1082 Wildlife Drive)</td>
<td>Marin-Quintero</td>
<td>1.0</td>
<td>11-Aug</td>
<td>16-Aug</td>
<td>0</td>
<td>0</td>
<td>185</td>
</tr>
<tr>
<td>11-5 (1078 Wildlife Drive)</td>
<td>Gibson</td>
<td>1.0</td>
<td>10-Aug</td>
<td>12-Aug</td>
<td>0</td>
<td>0</td>
<td>335</td>
</tr>
<tr>
<td>11-6 (1074 Wildlife Drive)</td>
<td>Brelinsky</td>
<td>1.0</td>
<td>9-Aug</td>
<td>10-Aug</td>
<td>0</td>
<td>0</td>
<td>440</td>
</tr>
<tr>
<td>11-7 (1072 Wildlife Drive)</td>
<td>Waldron</td>
<td>1.0</td>
<td>4-Aug</td>
<td>9-Aug</td>
<td>0</td>
<td>4</td>
<td>257</td>
</tr>
<tr>
<td>11-8 (1068 Wildlife Drive)</td>
<td>Waters</td>
<td>1.0</td>
<td>3-Aug</td>
<td>4-Aug</td>
<td>0</td>
<td>2</td>
<td>700</td>
</tr>
<tr>
<td>11-9 (1058 Wildlife Drive)</td>
<td>Beckwith</td>
<td>1.4</td>
<td>26-Jul</td>
<td>27-Jul</td>
<td>0</td>
<td>1</td>
<td>742</td>
</tr>
<tr>
<td>11-10 (1062 Wildlife Drive)</td>
<td>Boone</td>
<td>1.4</td>
<td>27-Jul</td>
<td>3-Aug</td>
<td>0</td>
<td>0</td>
<td>1,290</td>
</tr>
<tr>
<td>Totals</td>
<td></td>
<td>13.7</td>
<td></td>
<td></td>
<td>0</td>
<td>25</td>
<td>10,761</td>
</tr>
</tbody>
</table>
## Table 2-3: Complex 1, Unit 12 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 1 - Unit 12 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC items found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-1 (1065 Wildlife Drive)</td>
<td>Watkins</td>
<td>1.5</td>
<td>27-Jul</td>
<td>4-Aug</td>
<td>0</td>
<td>21</td>
<td>1,939</td>
</tr>
<tr>
<td>12-2 (1067 Wildlife Drive)</td>
<td>Ray</td>
<td>1.0</td>
<td>4-Aug</td>
<td>12-Aug</td>
<td>0</td>
<td>16</td>
<td>2,455</td>
</tr>
<tr>
<td>12-3 (1061 Wildlife Drive)</td>
<td>Hendon</td>
<td>1.4</td>
<td>27-Jul</td>
<td>2-Aug</td>
<td>0</td>
<td>0</td>
<td>1,826</td>
</tr>
<tr>
<td>12-4 (1071 Wildlife Drive)</td>
<td>McFarland</td>
<td>1.2</td>
<td>11-Aug</td>
<td>19-Aug</td>
<td>1*</td>
<td>19</td>
<td>1,970</td>
</tr>
<tr>
<td>12-5 (1086 Wildlife Drive)</td>
<td>Barrett</td>
<td>1.2</td>
<td>16-Aug</td>
<td>17-Aug</td>
<td>0</td>
<td>0</td>
<td>210</td>
</tr>
<tr>
<td>12-6 (1077 Wildlife Drive)</td>
<td>Elmore</td>
<td>2.5</td>
<td>9-Aug</td>
<td>11-Aug</td>
<td>0</td>
<td>0</td>
<td>1,430</td>
</tr>
<tr>
<td>12-7 (1064 Wildlife Drive)</td>
<td>Watkins</td>
<td>0.9</td>
<td>29-Jul</td>
<td>3-Aug</td>
<td>0</td>
<td>3</td>
<td>815</td>
</tr>
<tr>
<td>12-8 (1081 Wild Briar Lane)</td>
<td>Hansley</td>
<td>0.8</td>
<td>23-Aug</td>
<td>25-Aug</td>
<td>0</td>
<td>0</td>
<td>712</td>
</tr>
<tr>
<td>12-9 (1080 Wild Briar Lane)</td>
<td>Gillis</td>
<td>1.9</td>
<td>19-Aug</td>
<td>25-Aug</td>
<td>0</td>
<td>1</td>
<td>2,653</td>
</tr>
<tr>
<td>12-10 (3542 Saddle Ridge Rd)</td>
<td>Overby</td>
<td>0.9</td>
<td>23-Aug</td>
<td>24-Aug</td>
<td>0</td>
<td>0</td>
<td>1,680</td>
</tr>
<tr>
<td>Totals</td>
<td></td>
<td>13.3</td>
<td></td>
<td></td>
<td>1</td>
<td>60</td>
<td>15,690</td>
</tr>
</tbody>
</table>

*60mm HE mortar found on 16 August 2010

This space is intentionally left blank.
Table 2-4: Complex 1, Unit 13 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 1 - Unit 13 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC Items found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-1 (1094 Roberts Chapel Road)</td>
<td>Schmidt</td>
<td>2.0</td>
<td>8-Nov</td>
<td>11-Aug</td>
<td>0</td>
<td>1</td>
<td>3,161</td>
</tr>
<tr>
<td>13-2 (176 Enon Road)</td>
<td>Seaford</td>
<td>2.0</td>
<td>13-Oct</td>
<td>21-Oct</td>
<td>0</td>
<td>2</td>
<td>1,560</td>
</tr>
<tr>
<td>13-3 (4109 Blue Mountain Road)</td>
<td>Dearborn</td>
<td>7.8</td>
<td>12-Oct</td>
<td>27-Oct</td>
<td>1*</td>
<td>149</td>
<td>4,780</td>
</tr>
<tr>
<td>13-4 (5315 Isham Chambers Rd)</td>
<td>Hester</td>
<td>2.0</td>
<td>1-Nov</td>
<td>3-Nov</td>
<td>0</td>
<td>0</td>
<td>3,673</td>
</tr>
<tr>
<td>13-5 (1026 Enon Road)</td>
<td>Glover</td>
<td>2.0</td>
<td>10-Sep</td>
<td>12-Oct</td>
<td>0</td>
<td>0</td>
<td>1,730</td>
</tr>
<tr>
<td>13-6 (1112 Enon Road)</td>
<td>Hilton</td>
<td>2.3</td>
<td>30-Aug</td>
<td>7-Sep</td>
<td>0</td>
<td>6</td>
<td>4,681</td>
</tr>
<tr>
<td>13-7 (4149 Crown Oaks Drive)</td>
<td>Scoggins</td>
<td>2.1</td>
<td>17-Nov</td>
<td>22-Nov</td>
<td>0</td>
<td>2</td>
<td>275</td>
</tr>
<tr>
<td>13-8 (4144 Blue Creek Lane)</td>
<td>Hemig</td>
<td>4.1</td>
<td>25-Aug</td>
<td>26-Aug</td>
<td>0</td>
<td>42</td>
<td>755</td>
</tr>
<tr>
<td>13-9 (8412 Range Road)</td>
<td>Mangum</td>
<td>2.0</td>
<td>29-Sep</td>
<td>4-Oct</td>
<td>0</td>
<td>0</td>
<td>1,400</td>
</tr>
<tr>
<td>13-10 (1000 Fate Washington Rd)</td>
<td>Daniels</td>
<td>2.0</td>
<td>1-Nov</td>
<td>2-Nov</td>
<td>0</td>
<td>0</td>
<td>600</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td><strong>28.3</strong></td>
<td></td>
<td><strong>1</strong></td>
<td><strong>202</strong></td>
<td><strong>22,615</strong></td>
<td></td>
</tr>
</tbody>
</table>

* 155mm HE projectile found on 18 October 2010.

This space is intentionally left blank.
### Table 2-5: Complex 1, Unit 14 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 1 - Unit 14 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC Items found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-1 (1119 Bowling Mountain Rd)</td>
<td>Bass</td>
<td>2.3</td>
<td>21-Oct</td>
<td>26-Oct</td>
<td>0</td>
<td>0</td>
<td>1,250</td>
</tr>
<tr>
<td>14-2 (1133 Bowling Mountain Rd)</td>
<td>Campbell</td>
<td>1.9</td>
<td>25-Oct</td>
<td>26-Oct</td>
<td>0</td>
<td>0</td>
<td>1,024</td>
</tr>
<tr>
<td>14-3 (4093 Range Road)</td>
<td>Perunko</td>
<td>2.0</td>
<td>26-Oct</td>
<td>1-Nov</td>
<td>0</td>
<td>0</td>
<td>1,229</td>
</tr>
<tr>
<td>14-4 (1002 Fate Washington Road)</td>
<td>Hoppenworth</td>
<td>2.2</td>
<td>25-Oct</td>
<td>27-Oct</td>
<td>0</td>
<td>0</td>
<td>1,230</td>
</tr>
<tr>
<td>14-5 (1102 Fate Washington Road)</td>
<td>Jackson</td>
<td>2.0</td>
<td>17-Nov</td>
<td>18-Nov</td>
<td>0</td>
<td>1</td>
<td>925</td>
</tr>
<tr>
<td>14-6 (1072 Fate Washington Road)</td>
<td>Norris</td>
<td>2.0</td>
<td>29-Nov</td>
<td>1-Dec</td>
<td>0</td>
<td>0</td>
<td>2,118</td>
</tr>
<tr>
<td>14-7 (1084 Fate Washington Road)</td>
<td>Peebles</td>
<td>2.0</td>
<td>10-Nov</td>
<td>11-Nov</td>
<td>0</td>
<td>0</td>
<td>450</td>
</tr>
<tr>
<td>14-8 (1096 Fate Washington Road)</td>
<td>Corbin</td>
<td>2.0</td>
<td>11-Nov</td>
<td>17-Nov</td>
<td>0</td>
<td>0</td>
<td>1,029</td>
</tr>
<tr>
<td>14-9 (4139 Blue Mountain Road)</td>
<td>Jones</td>
<td>2.0</td>
<td>22-Nov</td>
<td>29-Nov</td>
<td>0</td>
<td>1</td>
<td>1,705</td>
</tr>
<tr>
<td>14-10 (4139-A Blue Mountain Road)</td>
<td>Jones</td>
<td>2.1</td>
<td>22-Nov</td>
<td>29-Nov</td>
<td>0</td>
<td>48</td>
<td>724</td>
</tr>
</tbody>
</table>

| Totals | 20.5 | 0 | 50 | 11,684 |

This space is intentionally left blank.
This section summarizes the removal operations conducted at Complex 2 during 2010, which included Units 4 through 8, a total of 40 residences. The MGFD for Complex 2 was based on the 155mm projectile as the MGFD, with an HFD of 395 ft. The 37 mm projectile was the smallest target anomaly for depth of detection. Figures D-48 through D-97 show the area cleared for each individual residence. Tables 2-6 through 2-10 identify the properties cleared, acreages, starting and ending dates, MEC and MD found, and number of anomalies investigated during the removal action. The grid log at Appendix B describes in detail the types of MEC and MD found at each property. Appendix E contains the CEHNC Forms 948 certifying approval of the removal action at each residence.

### Table 2-6: Complex 2, Unit 4 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 2 - Unit 4 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC Items found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 4-1 (195 Enon Road)</td>
<td>Daniel</td>
<td>3.0</td>
<td>3-Aug</td>
<td>19-Aug</td>
<td>0</td>
<td>291</td>
<td>4,440</td>
</tr>
<tr>
<td>Unit 4-2 (193 Enon Road)</td>
<td>Hicks</td>
<td>3.2</td>
<td>2-Aug</td>
<td>19-Aug</td>
<td>0</td>
<td>427</td>
<td>7,711</td>
</tr>
<tr>
<td>Unit 4-3 (1041 Enon Road)</td>
<td>Baczek</td>
<td>1.2</td>
<td>7-Sep</td>
<td>10-Sep</td>
<td>0</td>
<td>0</td>
<td>890</td>
</tr>
<tr>
<td>Unit 4-4 (1043 Enon Road)</td>
<td>Tarlton</td>
<td>1.8</td>
<td>8-Sep</td>
<td>10-Sep</td>
<td>0</td>
<td>0</td>
<td>2,170</td>
</tr>
<tr>
<td>Unit 4-5 (1049 Enon Road)</td>
<td>Mazlak</td>
<td>2.0</td>
<td>7-Sep</td>
<td>10-Sep</td>
<td>0</td>
<td>0</td>
<td>1,915</td>
</tr>
<tr>
<td>Unit 4-6 (1319 Berea Road)</td>
<td>Winstead</td>
<td>0.7</td>
<td>10-Sep</td>
<td>15-Sep</td>
<td>0</td>
<td>0</td>
<td>2,662</td>
</tr>
<tr>
<td>Unit 4-7 (11158 Range Road)</td>
<td>Harris, Richard</td>
<td>2.0</td>
<td>26-Aug</td>
<td>1-Sep</td>
<td>0</td>
<td>0</td>
<td>1,090</td>
</tr>
<tr>
<td>Unit 4-8 (89 George Harris Road)</td>
<td>Harris, Elsie</td>
<td>2.0</td>
<td>31-Aug</td>
<td>1-Sep</td>
<td>0</td>
<td>0</td>
<td>2,100</td>
</tr>
<tr>
<td>Unit 4-9 (11014 Range Road)</td>
<td>Harris, George</td>
<td>1.8</td>
<td>24-Aug</td>
<td>31-Aug</td>
<td>0</td>
<td>0</td>
<td>1,975</td>
</tr>
<tr>
<td>Unit 4-10 (90 George Harris Road)</td>
<td>Harris, George</td>
<td>1.0</td>
<td>24-Aug</td>
<td>31-Aug</td>
<td>0</td>
<td>0</td>
<td>1,575</td>
</tr>
</tbody>
</table>

**Totals**

|               | 18.7 | 0 | 718 | 26,528 |

This space is intentionally left blank.
Table 2-7: Complex 2, Unit 5 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 2 - Unit 5 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC Items Found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 5-1 (501 Enon Road)</td>
<td>Harrison</td>
<td>2.0</td>
<td>13-Sep</td>
<td>20-Sep</td>
<td>0</td>
<td>259</td>
<td>4,598</td>
</tr>
<tr>
<td>Unit 5-2 (88 George Harris Road)</td>
<td>Harris</td>
<td>2.0</td>
<td>10-Sep</td>
<td>4-Oct</td>
<td>0</td>
<td>0</td>
<td>5,145</td>
</tr>
<tr>
<td>Unit 5-3 (267 George Harris Road)</td>
<td>Mangum, Carl</td>
<td>1.8</td>
<td>13-Sep</td>
<td>4-Oct</td>
<td>0</td>
<td>0</td>
<td>1,603</td>
</tr>
<tr>
<td>Unit 5-4 (347 Bethany Church Rd)</td>
<td>Mangum, Bill</td>
<td>1.9</td>
<td>27-Sep</td>
<td>4-Oct</td>
<td>0</td>
<td>0</td>
<td>2,750</td>
</tr>
<tr>
<td>Unit 5-5 (4669 Range Road)</td>
<td>White</td>
<td>1.9</td>
<td>4-Oct</td>
<td>7-Oct</td>
<td>0</td>
<td>0</td>
<td>275</td>
</tr>
<tr>
<td>Unit 5-6 (1741 Berea Road)</td>
<td>Newsome</td>
<td>3.3</td>
<td>20-Sep</td>
<td>23-Sep</td>
<td>0</td>
<td>0</td>
<td>1,820</td>
</tr>
<tr>
<td>Unit 5-7 (1715A Berea Road)</td>
<td>Mangum, Nancy</td>
<td>1.8</td>
<td>20-Sep</td>
<td>23-Sep</td>
<td>0</td>
<td>0</td>
<td>2,110</td>
</tr>
<tr>
<td>Unit 5-8 (1077 Enon Road)</td>
<td>Adcock</td>
<td>2.0</td>
<td>27-Sep</td>
<td>4-Oct</td>
<td>1*</td>
<td>15</td>
<td>3,367</td>
</tr>
<tr>
<td>Unit 5-9 (531 Berea Road)</td>
<td>Morris</td>
<td>1.4</td>
<td>27-Sep</td>
<td>4-Oct</td>
<td>0</td>
<td>0</td>
<td>575</td>
</tr>
<tr>
<td>Unit 5-10 (1715B Berea Road)</td>
<td>Mangum, Nancy</td>
<td>2.7</td>
<td>23-Sep</td>
<td>4-Oct</td>
<td>0</td>
<td>0</td>
<td>1,228</td>
</tr>
</tbody>
</table>

| Totals                     | 20.8        | 1                    | 274          | 23,471         |

*2.36” rocket HEAT found on 30 September 2010

This space is intentionally left blank.
**Table 2-8: Complex 2, Unit 6 Properties Cleared**

<table>
<thead>
<tr>
<th>Complex 2 - Unit 6 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC Items Found</th>
<th>MD Found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 6-1 (5067 Range Road)</td>
<td>Baskett</td>
<td>1.6</td>
<td>4-Oct</td>
<td>6-Oct</td>
<td>0</td>
<td>0</td>
<td>400</td>
</tr>
<tr>
<td>Unit 6-2 (5071 Range Road)</td>
<td>Brogden</td>
<td>1.5</td>
<td>4-Oct</td>
<td>6-Oct</td>
<td>0</td>
<td>0</td>
<td>1,580</td>
</tr>
<tr>
<td>Unit 6-3 (5073 Range Road)</td>
<td>McKnight</td>
<td>1.5</td>
<td>4-Oct</td>
<td>6-Oct</td>
<td>0</td>
<td>0</td>
<td>898</td>
</tr>
<tr>
<td>Unit 6-4 (5075 Range Road)</td>
<td>Miller</td>
<td>1.4</td>
<td>6-Oct</td>
<td>7-Oct</td>
<td>0</td>
<td>1</td>
<td>642</td>
</tr>
<tr>
<td>Unit 6-5 (5079 Range Road)</td>
<td>Harding</td>
<td>1.3</td>
<td>5-Oct</td>
<td>7-Oct</td>
<td>0</td>
<td>0</td>
<td>325</td>
</tr>
<tr>
<td>Unit 6-6 (5087 Range Road)</td>
<td>Beard</td>
<td>2.0</td>
<td>19-Oct</td>
<td>21-Oct</td>
<td>0</td>
<td>3</td>
<td>1,139</td>
</tr>
<tr>
<td>Unit 6-7 (5097 Range Road)</td>
<td>Sandifer</td>
<td>2.0</td>
<td>18-Oct</td>
<td>21-Oct</td>
<td>0</td>
<td>0</td>
<td>515</td>
</tr>
<tr>
<td>Unit 6-8 (5201 Range Road)</td>
<td>Black</td>
<td>1.0</td>
<td>7-Oct</td>
<td>11-Oct</td>
<td>0</td>
<td>0</td>
<td>525</td>
</tr>
<tr>
<td>Unit 6-9 (5203 Range Road)</td>
<td>Wilkerson</td>
<td>0.9</td>
<td>7-Oct</td>
<td>11-Oct</td>
<td>0</td>
<td>0</td>
<td>714</td>
</tr>
<tr>
<td>Unit 6-10 (580 A&amp;W Bowling Road)</td>
<td>Day</td>
<td>1.2</td>
<td>11-Oct</td>
<td>13-Oct</td>
<td>0</td>
<td>0</td>
<td>1,959</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td><strong>14.4</strong></td>
<td></td>
<td><strong>4</strong></td>
<td></td>
<td><strong>8,697</strong></td>
<td></td>
</tr>
</tbody>
</table>

This space is intentionally left blank.
## Table 2-9: Complex 2, Unit 7 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 2 - Unit 7 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC Items found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 7-1 (655 Bethany Church Rd)</td>
<td>Mangum, John</td>
<td>2.1</td>
<td>12-Oct</td>
<td>18-Oct</td>
<td>5*</td>
<td>143</td>
<td>3,936</td>
</tr>
<tr>
<td>Unit 7-2 (61 A&amp;W Bowling Road)</td>
<td>Day</td>
<td>1.1</td>
<td>11-Oct</td>
<td>13-Oct</td>
<td>0</td>
<td>0</td>
<td>300</td>
</tr>
<tr>
<td>Unit 7-3 (4536 Sugar Maple Rd)</td>
<td>Hilliard</td>
<td>1.9</td>
<td>15-Nov</td>
<td>16-Nov</td>
<td>0</td>
<td>8</td>
<td>279</td>
</tr>
<tr>
<td>Unit 7-4 (5447 Range Road)</td>
<td>Piper</td>
<td>2.0</td>
<td>4-Nov</td>
<td>9-Nov</td>
<td>0</td>
<td>0</td>
<td>716</td>
</tr>
<tr>
<td>Unit 7-5 (1119 Enon Road)</td>
<td>Adcock</td>
<td>0.5</td>
<td>27-Oct</td>
<td>1-Nov</td>
<td>0</td>
<td>0</td>
<td>428</td>
</tr>
<tr>
<td>Unit 7-6 (4532 Sugar Maple Rd)</td>
<td>Swift</td>
<td>1.9</td>
<td>18-Nov</td>
<td>22-Nov</td>
<td>0</td>
<td>10</td>
<td>568</td>
</tr>
<tr>
<td>Unit 7-7 (4539 Sugar Maple Rd)</td>
<td>Gregory</td>
<td>1.2</td>
<td>11-Nov</td>
<td>11-Nov</td>
<td>0</td>
<td>2</td>
<td>425</td>
</tr>
<tr>
<td>Unit 7-8 (4559 Sugar Maple Rd)</td>
<td>Wilson</td>
<td>2.0</td>
<td>28-Oct</td>
<td>3-Nov</td>
<td>0</td>
<td>1</td>
<td>550</td>
</tr>
<tr>
<td>Unit 7-9 (4528 Sugar Maple Rd)</td>
<td>Williams</td>
<td>1.6</td>
<td>18-Nov</td>
<td>22-Nov</td>
<td>0</td>
<td>5</td>
<td>750</td>
</tr>
<tr>
<td>Unit 7-10 (4551 Sugar Maple Rd)</td>
<td>Peace</td>
<td>2.3</td>
<td>9-Nov</td>
<td>10-Nov</td>
<td>0</td>
<td>11</td>
<td>830</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>16.6</strong></td>
<td><strong>5</strong></td>
<td><strong>180</strong></td>
<td></td>
<td><strong>8,782</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Four 81mm HE mortars found on 13 October 2010, one 81mm HE mortar found on 14 October 2010.*

This space is intentionally left blank.
### Table 2-10: Complex 2, Unit 8 Properties Cleared

<table>
<thead>
<tr>
<th>Complex 2 - Unit 8 (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC Items found</th>
<th>MD found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 8-1 (4575 Sugar Maple Road)</td>
<td>Jeffries</td>
<td>1.0</td>
<td>16-Nov</td>
<td>17-Nov</td>
<td>0</td>
<td>10</td>
<td>425</td>
</tr>
<tr>
<td>Unit 8-2 (4533 Sugar Maple Road)</td>
<td>Holcomb</td>
<td>1.7</td>
<td>10-Nov</td>
<td>11-Nov</td>
<td>0</td>
<td>8</td>
<td>450</td>
</tr>
<tr>
<td>Unit 8-3 (4540 Sugar Maple Road)</td>
<td>Braxton</td>
<td>1.8</td>
<td>15-Nov</td>
<td>16-Nov</td>
<td>0</td>
<td>14</td>
<td>350</td>
</tr>
<tr>
<td>Unit 8-4 (4547 Sugar Maple Road)</td>
<td>Thomas</td>
<td>2.3</td>
<td>3-Nov</td>
<td>8-Nov</td>
<td>0</td>
<td>4</td>
<td>804</td>
</tr>
<tr>
<td>Unit 8-5 (4543 Sugar Maple Road)</td>
<td>Cannady</td>
<td>1.3</td>
<td>2-Nov</td>
<td>3-Nov</td>
<td>0</td>
<td>0</td>
<td>450</td>
</tr>
<tr>
<td>Unit 8-6 (4555 Sugar Maple Road)</td>
<td>Filler</td>
<td>2.0</td>
<td>3-Nov</td>
<td>8-Nov</td>
<td>0</td>
<td>4</td>
<td>850</td>
</tr>
<tr>
<td>Unit 8-7 (4571 Sugar Maple Road)</td>
<td>Logan</td>
<td>1.2</td>
<td>15-Nov</td>
<td>17-Nov</td>
<td>0</td>
<td>16</td>
<td>550</td>
</tr>
<tr>
<td>Unit 8-8 (4567 Sugar Maple Road)</td>
<td>Hudnall</td>
<td>1.2</td>
<td>15-Nov</td>
<td>17-Nov</td>
<td>0</td>
<td>4</td>
<td>980</td>
</tr>
<tr>
<td>Unit 8-9 (4535 Sugar Maple Road)</td>
<td>French</td>
<td>1.2</td>
<td>9-Nov</td>
<td>10-Nov</td>
<td>0</td>
<td>5</td>
<td>260</td>
</tr>
<tr>
<td>Unit 8-10 (4579 Sugar Maple Road)</td>
<td>Wade</td>
<td>1.5</td>
<td>11-Nov</td>
<td>17-Nov</td>
<td>0</td>
<td>13</td>
<td>560</td>
</tr>
</tbody>
</table>

| Totals | 15.2 | 0 | 78 | 5,679 |

This space is intentionally left blank.
2.8 REMOVAL ACTION FOR AREA 4C – SUBTASK 3

This section summarizes the removal operations conducted at Area 4C during 2010, which included Units 4C-9 and 4C-10, a total of 2 residences. The MGFD for Area 4C was based on the 155mm projectile as the MGFD, with an HFD of 450 ft. The 37 mm projectile was the smallest target anomaly for depth of detection. Figures D-98 and D-99 show the area cleared for each individual residence. Table 2-11 identifies the properties cleared, acreages, starting and ending dates, MEC and MD found, and number of anomalies investigated during the removal action. The grid log at Appendix B describes in detail the types of MEC and MD found at each property. Appendix E contains the CEHNC Forms 948 certifying approval of the removal action at each residence.

Table 2-11: Area 4C Properties Cleared

<table>
<thead>
<tr>
<th>Complex 2 - Area 4C (Address)</th>
<th>Owner</th>
<th>Area Cleared (Acres)</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>MEC Items found</th>
<th>MD* found (lbs)</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 4C-9 (4578 Uzzle Road)</td>
<td>Blalock</td>
<td>1.9</td>
<td>1-Dec</td>
<td>14-Dec</td>
<td>1*</td>
<td>740</td>
<td>12,318</td>
</tr>
<tr>
<td>Unit 4C-10 (4573 Uzzle Road)</td>
<td>Glosson</td>
<td>2.1</td>
<td>1-Dec</td>
<td>9-Dec</td>
<td>0</td>
<td>469</td>
<td>5,760</td>
</tr>
<tr>
<td>Totals</td>
<td></td>
<td>4.0</td>
<td></td>
<td></td>
<td>1</td>
<td>1209</td>
<td>18,078</td>
</tr>
</tbody>
</table>

*MKII HE hand grenade found on 14 December 2010.

2.9 SITE WIDE INSTITUTIONAL CONTROLS – SUBTASK 3J

2.9.1 RESTORATION ADVISORY BOARD SUPPORT

During the clearance actions at former Camp Butner, USA participated in two semi-annual RAB meetings, presenting updates on progress of the work and recording minutes of the meetings.

2.9.2 SIGNAGE REPLACEMENT

At the request of USACE Savannah District, USA arranged for the manufacture of 24 signs (12 in English and 12 in Spanish) to replace signs which had been removed at five locations, and to provide spares for future replacements. USA replaced missing signs at the following locations (see Status Map D2):

- Intersection of Roberts Chapel Road and Lakeview Subdivision
- Entrance to Fletcher’s Pointe Subdivision
- Intersection of Enon Road and East Range Road
- Intersection of Bethany Church/Enon Road and Uzzle Road
- North side of Enon Road between Sugar Maple Road and the high-tension powerline crossing.

USA turned over the remaining spare signs to USACE Wilmington District.

2.10 EVACUATIONS – SUBTASK 3K

USA coordinated with residents affected by the HFD a week ahead of removal actions scheduled for that area to determine if they would be away from their home during work hours. If they worked out of their home or were homebound and had no other options, USA offered to evacuate them to a motel during
clearance activities. The typical evacuation consisted of providing a motel room and meals. Gasoline was also provided if requested.

A total of 263 evacuations were incurred during 2010 in accordance with Table 2-12, while 434 evacuations were incurred during previous years.

### Table 2-12: Evacuations by Areas Cleared

<table>
<thead>
<tr>
<th>Area Cleared</th>
<th>Evacuations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>3</td>
</tr>
<tr>
<td>Lakeview Subdivision</td>
<td>23</td>
</tr>
<tr>
<td>4A</td>
<td>5</td>
</tr>
<tr>
<td>4D</td>
<td>113</td>
</tr>
<tr>
<td>4B</td>
<td>3</td>
</tr>
<tr>
<td>4C</td>
<td>47</td>
</tr>
<tr>
<td>Area 4 Complex 2 Units 1 thru 3 (2009)</td>
<td>60</td>
</tr>
<tr>
<td>Area 4 Complex 1 Units 1 thru 10 (2009)</td>
<td>180</td>
</tr>
<tr>
<td>Area 4 Complex 1 Units 10 thru 14 (2010)</td>
<td>173</td>
</tr>
<tr>
<td>Area 4 Complex 2 Units 4 thru 8 (2010)</td>
<td>90</td>
</tr>
<tr>
<td><strong>TOTAL EVACUATIONS</strong></td>
<td><strong>697</strong></td>
</tr>
</tbody>
</table>

This space is intentionally left blank.
CHAPTER 3

3.0 DOCUMENTATION

This section discusses the documentation generated during the Camp Butner project, operating procedures/issues, and lessons learned during the conduct of operations at the project site.

3.1 GRID RECORDS

Appendix B contains MEC and MD accountability documentation for all properties cleared, to include grid tracking logs, a MEC accountability log (spreadsheet), explosive usage and accountability documents, MD destruction certifications with 1348 Forms, and grid records.

3.2 SITE PHOTOGRAPHS

Digital color photographs of major activities and MEC discoveries are provided in Appendix C.

3.3 FIGURES

Appendix D provides figures showing the boundaries of clearance and locations of MEC found during the removal action.

3.4 QC/QA DOCUMENTATION

Appendix E contains QC/QA documentation, including HND 948 forms, QC daily operator instrument test forms, and weekly and daily QC inspection records.

3.5 WEEKLY REPORTS

Appendix F contains daily and weekly operations summaries documented by the SUXOS.

3.6 LESSONS LEARNED

3.6.1 EVACUATIONS

During the first two years of Camp Butner field operations, USA Environmental experienced costly delays in operations due to refusal of affected residents to evacuate their residence so that our teams could conduct a removal. Refusal of a resident to evacuate often forced the work force to shift to another residence and denied his neighbors the benefits of having their property cleared. USA solved that problem in 2009 by hiring a local FOA to focus on acquiring rights of entry and coordinating evacuations well ahead of time.

For the 2010 field effort, USA field personnel devoted extra attention to finding options for evacuating residents who would not accept the traditional motel, meal, and gas evacuation package. In one case, USA arranged for rental of a shop building for an owner who had previously refused evacuation. Rental of an off-site building allowed him to continue to work while away from his home-based business. In another case, USA arranged for rental of an apartment building so that a home daycare business could continue their operation while evacuated. This approach allowed us to clear residences we might otherwise have not been able to clear.
3.6.2 DEMOLITION PROCEDURES

A 155mm HE projectile was found at Complex 1 Unit 13-3, a horse farm containing very expensive show and breeding horses. The owner was concerned that noise and ground shock would greatly upset her horses. Special demolitions procedures were applied in order to minimize ground shock and noise. The projectile was laid in a hole 36 inches deep, on a bed of sand. A shape charge was set at the rear of the round just forward of the rotating bands and another placed over the booster at the front of the round. The shot hole was covered with the prescribed sand bag barricade for a high-order detonation, although a low-order detonation was desired. The low-order detonation was successfully accomplished, with minimal shock and noise. The clean-up shot was accomplished the next day using a much-reduced sandbag barricade, which greatly reduced ground shock. The overall results of this procedure were that the horses were not seriously disturbed by noise or ground shock. Photos C-20 through C-27 in Appendix C illustrate the process and the results for this action.
CHAPTER 4

4.0 TESTS

This chapter details the equipment testing and calibration, QC inspections and audits, and reporting procedures USA used at the former Camp Butner. Throughout site operations the UXOQCS performed QC checks of equipment, procedures, and performance.

4.1 INSTRUMENT AND EQUIPMENT TESTING, CALIBRATION, AND MAINTENANCE

This section describes the methods and procedures used for instrument and equipment testing, calibration, and maintenance.

4.1.1 TESTING PROCEDURES AND FREQUENCY

Instruments and equipment (e.g., navigational, data analysis, and transfer systems) used to gather and generate site data were tested with sufficient frequency and in such a manner as to ensure that accuracy and reproducibility of results are consistent with the manufacturer's specifications.

The method performed for measuring the instrument response was conducted at the start of each workday, over a test area, and comparing that response and position to a known response and position recorded prior to the instrument’s initial placement into service. Instruments or equipment failing to meet the standard was repaired, recalibrated, or replaced. Replaced instruments or equipment met the same specifications for accuracy and precision as the item removed from service. Items such as cellular telephones and cellular walkie-talkies were tested for serviceability at the start of each workday.

4.1.2 GEOPHYSICAL TEST STRIP

USA established the geophysical test strip at the office trailer compound. The configuration and layout of the test strip followed the characteristics in Table 4-1.

<table>
<thead>
<tr>
<th>Table 4-1: Test Strip As-Built Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed ID</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>9</td>
</tr>
</tbody>
</table>

4.1.3 ROUTINE EQUIPMENT CHECKS

GPS equipment was checked each day before being placed into service. Each detector was tested each workday prior to being placed into service. This test included a functions check and the locating of selected anomalies within the test strip. Functions checks involved moving the on/off/volume/range
selector switches through the various positions, determining the serviceability/functionality of each instrument. Instruments failing this test were repaired or replaced as directed by the SUXOS or UXOQCS.

4.1.4 **CALIBRATION**

Calibration of instruments and equipment requiring calibration or recalibration was completed in accordance with the manufacturer's recommendation or owner's manual.

4.1.5 **MAINTENANCE**

Scheduled maintenance of the following equipment was performed in accordance with the manufacturer's recommendation or owner's manual for equipment requiring regular upkeep:

- Vehicles
- Powered Equipment
- Personal Protective Equipment
- Communications Equipment
- Navigational Equipment
- Handheld Metal Detectors
- Emergency Equipment.

4.2 **QUALITY CONTROL**

This section describes the QC methods and procedures used during site operations.

4.2.1 **QC/QA SEED ITEMS**

Blind seed items were planted at all of the units in Area 4 Complex 1, Complex 2, and Area 4C during 2010. All blind seed items were recovered. The BSI Log is contained in Appendix E.

4.2.2 **HANDHELD METAL DETECTOR**

A QC survey was performed using a handheld locator of the same technology used for the original survey covering a minimum of 10% of each grid after field operations were completed. Excavations of any undug anomalies discovered during the QC survey were thoroughly investigated and the results recorded. In addition, a QC check of selected investigated anomalies was performed to demonstrate that the excavation removed the anomaly and there were no remaining items of concern. For all areas of the project, the USACE Savannah District Safety Specialist issued CEHNC Form 948's passing all grids (see Appendix E).

4.2.3 **FAILURE CRITERIA**

During the USA QC or Government QA of any grid, if a piece of ferrous metal equivalent in size to the smallest target anomaly for that area (as defined by the Scope of Work) or larger or any MEC item was found, the grid was failed. There were three QC failures reported during the field effort, and all three properties were re-cleared and passed upon QC re-inspection. There were no QA failures.
4.2.4 CORRECTIVE ACTION REQUESTS

During the course of the field effort, no corrective action requests were issued by the Government.

4.2.5 MD

MD was 100% properly inspected in accordance with the approved Work Plan. USA’s SUXOS and the USACE OE Safety Specialist certified and verified the MD respectively by signature on the DD Forms 1348-1A. The SUXOS and UXOQCS ensured that procedures were followed that precluded any explosive or energetic material from being released to the public, and required documentation was maintained on file for inspection purposes.

4.3 QUALITY CONTROL INSPECTIONS, AUDITS, AND REPORTS

The UXOQCS was responsible for the accomplishment of operational checks of instruments and equipment by site personnel and ensuring the appropriate log entries were made. The UXOQCS performed inspections and or audits at random (see Appendix E) and unscheduled checks of the site to ensure personnel accomplished all work as specified in the Work Plan. The UXOQCS conducted inspections of all cleared properties, and all were checked and accepted by the Government (see Appendix E).

This space is intentionally left blank.
CHAPTER 5

5.0 FINANCIAL BREAKDOWN

Contract project tasks were a combination of Firm Fixed Price (FFP) and Time & Material (T&M). Table 5-1 includes T&M costs for Task 3J during 2010 for man-hours, materials, and travel. G&A costs are not shown.

Table 5-1: Task 3J T&M Costs During 2010

<table>
<thead>
<tr>
<th>CLIN/Item #</th>
<th>Task #3j Description</th>
<th>Unit Price</th>
<th>Total Hours</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Labor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Project Manager</td>
<td>$88.22</td>
<td>38.0</td>
<td>$3,352.36</td>
</tr>
<tr>
<td></td>
<td>Field Officer Admin (OT)</td>
<td>$45.56</td>
<td>2.0</td>
<td>$91.11</td>
</tr>
<tr>
<td></td>
<td>SUXOS 0% (O/T)</td>
<td>$118.08</td>
<td>2.0</td>
<td>$236.16</td>
</tr>
<tr>
<td></td>
<td>SUXOS 4%</td>
<td>$81.86</td>
<td>3.0</td>
<td>$245.58</td>
</tr>
<tr>
<td></td>
<td>UXO TECH II 4%</td>
<td>$47.41</td>
<td>3.0</td>
<td>$142.23</td>
</tr>
<tr>
<td></td>
<td>UXO TECH I 4%</td>
<td>$39.19</td>
<td>3.0</td>
<td>$117.57</td>
</tr>
<tr>
<td></td>
<td>Sub-Total Labor</td>
<td></td>
<td>51.0</td>
<td>$4,185.01</td>
</tr>
<tr>
<td></td>
<td>Materials</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Equipment (signage)</td>
<td></td>
<td></td>
<td>$1,276.84</td>
</tr>
<tr>
<td></td>
<td>Gasoline</td>
<td></td>
<td></td>
<td>$12.00</td>
</tr>
<tr>
<td></td>
<td>Sub-Total Materials</td>
<td></td>
<td></td>
<td>$1,288.84</td>
</tr>
<tr>
<td></td>
<td>Travel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lodging &amp; Travel</td>
<td></td>
<td></td>
<td>$875.31</td>
</tr>
<tr>
<td></td>
<td>Sub-Total Travel</td>
<td></td>
<td></td>
<td>$875.31</td>
</tr>
<tr>
<td></td>
<td>Total Costs Task 3j</td>
<td></td>
<td></td>
<td>$6,349.16</td>
</tr>
</tbody>
</table>

This space is intentionally left blank.
CHAPTER 6

6.0 SUMMARY

6.1 REMOVAL ACTION SUMMARY

6.1.1 REMOVAL ACTIONS

USA completed all tasks safely and efficiently and in accordance with the Scope of Work and approved Work Plan. USA closely coordinated with USACE Savannah District, USACE Wilmington District, and local officials. During the 2010 removal actions at Area 4 Complex 1 and 2, USA investigated nearly 159,000 anomalies from 97 residences, finding and destroying 9 MEC items. Table 6-1 summarizes the results for each of the units. Weights of MD reported in the table are as estimated by the team leader at the grid, while weights recorded on the DD 1348-1 were weighed on non-commercial scales after the SUXOS cleaned the mud and dirt off the MD items. A single shipment of MD totaling 2534 lbs (non-commercial scales) was shipped to a Chesapeake Metals Inc., facility in Richmond Virginia, where destruction was certified on 20 December 2010.

Table 6-1: Results of 2010 Removal Actions

<table>
<thead>
<tr>
<th>Subtask</th>
<th>Residences</th>
<th>Acres</th>
<th>MEC Items Found</th>
<th>MD (lbs) per grid log</th>
<th>Anomalies Investigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complex 1 Unit 10</td>
<td>5</td>
<td>5.9</td>
<td>0</td>
<td>70</td>
<td>6,113</td>
</tr>
<tr>
<td>Complex 1 Unit 11</td>
<td>10</td>
<td>13.7</td>
<td>0</td>
<td>25</td>
<td>10,761</td>
</tr>
<tr>
<td>Complex 1 Unit 12</td>
<td>10</td>
<td>13.3</td>
<td>1</td>
<td>60</td>
<td>15,690</td>
</tr>
<tr>
<td>Complex 1 Unit 13</td>
<td>10</td>
<td>28.3</td>
<td>1</td>
<td>202</td>
<td>22,615</td>
</tr>
<tr>
<td>Complex 1 Unit 14</td>
<td>10</td>
<td>20.5</td>
<td>0</td>
<td>50</td>
<td>11,684</td>
</tr>
<tr>
<td>Complex 2 Unit 4</td>
<td>10</td>
<td>18.7</td>
<td>0</td>
<td>718</td>
<td>26,528</td>
</tr>
<tr>
<td>Complex 2 Unit 5</td>
<td>10</td>
<td>20.8</td>
<td>1</td>
<td>274</td>
<td>23,471</td>
</tr>
<tr>
<td>Complex 2 Unit 6</td>
<td>10</td>
<td>14.4</td>
<td>0</td>
<td>4</td>
<td>8,697</td>
</tr>
<tr>
<td>Complex 2 Unit 7</td>
<td>10</td>
<td>16.6</td>
<td>5</td>
<td>180</td>
<td>8,782</td>
</tr>
<tr>
<td>Complex 2 Unit 8</td>
<td>10</td>
<td>15.2</td>
<td>0</td>
<td>78</td>
<td>5,679</td>
</tr>
<tr>
<td>Area 4C</td>
<td>2</td>
<td>4.0</td>
<td>1</td>
<td>1209</td>
<td>18,078</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>97</strong></td>
<td><strong>171.4</strong></td>
<td><strong>9</strong></td>
<td><strong>2870</strong></td>
<td><strong>158,098</strong></td>
</tr>
</tbody>
</table>

This space is intentionally left blank.
6.1.2 MEC SUMMARY

Table 6-2 summarizes, by areas, the MEC items recovered and disposed during MEC removals, while the following paragraphs summarize removal actions for each area. Figure D-2 provides the overall status map for all areas cleared under this task order during 2010, and Figure D-2A provides the overall status for all areas cleared under this task order since fieldwork began in 2006.

Table 6-2: MEC Items Recovered and Disposed 2010

<table>
<thead>
<tr>
<th>MEC Item</th>
<th>Type</th>
<th>Area Found</th>
<th># Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>60mm mortar</td>
<td>UXO</td>
<td>Complex 1 Unit 12-4</td>
<td>1</td>
</tr>
<tr>
<td>2.36&quot; rocket</td>
<td>UXO</td>
<td>Complex 2 Unit 5-8</td>
<td>1</td>
</tr>
<tr>
<td>81mm mortar (M43)</td>
<td>UXO</td>
<td>Complex 2 Unit 7-1</td>
<td>5</td>
</tr>
<tr>
<td>155mm HE projectile</td>
<td>UXO</td>
<td>Complex 1 Unit 13-3</td>
<td>1</td>
</tr>
<tr>
<td>MKII hand grenade</td>
<td>DMM</td>
<td>Area 4C-9</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total MEC Found</strong></td>
<td></td>
<td></td>
<td><strong>9</strong></td>
</tr>
</tbody>
</table>

6.2 INSTITUTIONAL CONTROLS

During the removal actions at former Camp Butner during 2010, USA participated in 2 RAB meetings, presenting updates on progress of the work and recording minutes of the meetings. USA secured ROEs for many of the residents scheduled for removals, and arranged for manufacture and installation of replacement signage.

6.3 EVACUATIONS

During clearance operations in 2010, a total of 263 paid evacuations of residences occurred.

End of document.
APPENDIX A

A.0 SCOPE OF WORK

This appendix contains a copy of the Scope of Work (SOW) for the Non Time-Critical Removal Action, Former Camp Butner, Butner, North Carolina, dated 27 June 2005, and including all revisions through Modification 20 dated 30 November 2010.
SCOPE OF WORK
MILITARY MUNITIONS RESPONSE PROGRAM (MMRP)
NON TIME-CRITICAL REMOVAL ACTION
FORMER CAMP BUTNER
BUTNER, NORTH CAROLINA
PROJECT NO. I04NC000902
W912DY-04-D-0006
Task Order #0007
27 JUNE, 2005
Revised 01 MAR 2007
Revised 28 MAR 2007
Revised: 10 DEC 2007
Revised: 12 MAY 2008
Revised 22 JUN 2008
Revision: 24 SEP 2008


1.0 OBJECTIVE:
The objective of this task order is for the contractor to perform a removal action (RA) to remove and dispose of all explosive hazards within the selected areas at the Former Camp Butner. The RA shall be in accordance with the signed Action Memorandum(s) dated December 2004.

2.0 BACKGROUND AND GENERAL STATEMENT OF WORK:
2.1 Regulatory Guidelines. The work required under this Scope of Work (SOW) falls under the Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS). Munitions and Explosives of Concern (MEC) exist on property formerly owned or leased by the Department of Army.

2.1.1 MEC is a safety hazard and may constitute an imminent and substantial endangerment to the local populace and site personnel. The work associated with this Non Time-Critical Removal Action (NTCRA) shall be performed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 104, and the National Contingency Plan (NCP), Sections 300.120(d) and 300.400(e).

2.1.2 All activities involving work in areas potentially containing unexploded ordnance hazards shall be conducted in full compliance with Department of Defense (DoD), Department of Army, US Army Corps of Engineers (USACE), state and local requirements regarding personnel, equipment, and procedures. 29 CFR 1910.120 shall apply to all actions taken at this site.

2.2 Chemical Warfare Materiel (CWM). This site is not suspected of containing CWM. However, during conventional MEC operations, if the contractor identifies or suspects CWM, the contractor shall immediately withdraw upwind from the work area and contact the United States Army Engineering and Support Center
Huntsville (USAESCH) Ordnance and Explosives (OE) Safety Office (Wayne Galloway 256-895-1582). The contractor shall secure the area and provide two personnel located upwind of the suspect CWM to secure the site until relieved by the Technical Escort Unit (TEU) or Explosive Ordnance Disposal (EOD) personnel.

3.0 SPECIFIC REQUIREMENTS:
Quality Control: The Contractor shall implement an accepted Quality Control (QC) Program. The Quality Control Program shall include QC procedures for all aspects and types of work. The Contractor shall ensure that QC documentation is maintained, and provided in the Final Reports.

If any Government QA review identifies a process failure or a work product failure, the contractor will be issued a Corrective Action Request (CAR). The Contractor shall provide full documentation detailing the cause of the failure, why it was not detected in the Contractor's QC Program, and how the problem was corrected. Failure can be defined as workmanship or work products not complying with the WP or not meeting project needs and/or objectives.

3.1 (TASK 1) PROJECT PREPARATION AND PLANNING:
This Task is Firm Fixed Price.
The contractor is authorized a post award site visit. The contractor shall notify the USAESCH Project Manager (PM) 14 days prior to a planned site visit. The contractor shall provide a trip report to the PM 7 days after conclusion of the site visit. The contractor shall also plan to attend two (2) Public/Technical Project Planning (TPP) meetings in Butner, NC.

3.2 (TASK 2) WORK PLAN (WP):
This Task is Firm Fixed Price.
The WP shall be prepared following the general format described in data item description (DID) MR-005-01. The WP shall contain, at a minimum, a Technical Management Plan (DID MR-005-02), Explosives Siting Plan (DID MR-005-04), Accident Prevention Plan (APP), which includes a Site Safety and Health Plan (SSHP) (EM 385-1-1), Environmental Protection Plan (DID MR-005-12), and a Quality Control Plan (QCP). The QCP shall be a detailed and comprehensive plan covering all aspects of the response. Other sub plans or elements shall be required as necessary to support the contractor's technical approach. The contractor shall attend an onboard review in Huntsville after receiving comments on the Draft Work Plan. The contractor shall provide a CD of the Final Work Plan at the conclusion of the onboard review. Hard Copies of the final Work Plan shall be submitted 14 days after the conclusion of the onboard review.

A property management plan will be required if the contractor has Government furnished equipment. A work, Data, and Cost Management Plan is required for any T & M task.
3.3 (TASK 3) REMOVAL ACTION:
This Task is Firm Fixed Price
The Contractor shall provide the necessary personnel and equipment to safely destroy and/or remove and dispose of all explosive hazards IAW the Action Memorandum(s) for the Former Camp Butner. The contractor shall be responsible for evacuations if necessary. The contractor shall structure their cost for sub-tasks 3a, 3b, 3c, 3d, 3e, 3f, 3g, 3h & 3i to include a mobilization and demobilization – this cost should be a Fixed Price and should be easily separated from the other costs for the project work as it may not be applied during an Exercise of that Subtask should the Contractor already be mobilized in the field. The Sectors and acreages are listed in the table below. Each Phase and Area is listed in a separate sub-task for funding and management purposes.

<table>
<thead>
<tr>
<th>SITE</th>
<th>DESCRIPTION</th>
<th>ACREAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREA 1A</td>
<td>Flamethrower Range</td>
<td>20</td>
</tr>
<tr>
<td>AREA 4A</td>
<td>Range Complex 1</td>
<td>34</td>
</tr>
<tr>
<td>AREA 4B</td>
<td>Range Complex 1</td>
<td>14</td>
</tr>
<tr>
<td>AREA 4D</td>
<td>Range Complex 1</td>
<td>24</td>
</tr>
<tr>
<td>AREA 4E</td>
<td>Range Complex 1</td>
<td>6</td>
</tr>
<tr>
<td>AREA 4</td>
<td>Range Complex 1 Remaining Land</td>
<td>280</td>
</tr>
<tr>
<td>Lakeview</td>
<td>Lakeview Subdivision</td>
<td>26</td>
</tr>
<tr>
<td>AREA 4C</td>
<td>Range Complex 2</td>
<td>16</td>
</tr>
<tr>
<td>AREA 4</td>
<td>Range Complex 2 Remaining Land</td>
<td>170</td>
</tr>
</tbody>
</table>

3.3.1 SOW Performance Metrics and QC/QA Criteria
The performance metrics that will be used to evaluate the Contractor’s performance of all tasks under this SOW are specified in Attachment B. The Sector-specific mandatory removal requirements are specified below in each sub task.
3.3.2 Backfilling Excavations: All access/excavation/detonation holes shall be backfilled by the Contractor. The Contractor shall restore such areas to their prior condition.

3.3.3 MEC Accountability: The Contractor shall maintain a detailed accounting of all MEC items/components encountered. This accounting shall include the amounts of MEC, the identification, condition, depth, disposition, and location. This accounting shall be a part of an appendix to the Final Report.

3.3.4 Disposal of MEC Scrap: All MEC scrap shall be handled in accordance with Attachment A of the SOW.

TASK 3a Area 1A Flame Thrower Range
This Task is Firm Fixed Price
This area contains 20 acres

QC/QA Criteria
MEC objects with a width (diameter) or thickness inclusive of a MKII hand grenade and larger at a depth of less than 11 diameters of the object.

TASK 3b Complex 1 Area 4A
This Task is Firm Fixed Price
This area contains 34 acres

QC/QA Criteria
MEC objects with a width (diameter) or thickness inclusive of a M9 Rifle grenade and larger at a depth of less than 11 diameters of the object.

TASK 3c Complex 1 Area 4B
This Task is Firm Fixed Price
This area contains 14 acres

QC/QA Criteria
MEC objects with a width (diameter) or thickness inclusive of a 2.36 inch rocket and larger at a depth of less than 11 diameters of the object.

TASK 3d Complex 1 Area 4D
This Task is Firm Fixed Price
This area contains 24 acres

QC/QA Criteria
MEC objects with a width (diameter) or thickness inclusive of a 37 mm projectile and larger at a depth of less than 11 diameters of the object.
TASK 3e Complex 1 Area 4E
This Task is Firm Fixed Price
This area contains 6 acres
QC/QA Criteria
MEC objects with a width (diameter) or thickness inclusive of a 37 mm projectile and larger at a depth of less than 11 diameters of the object.

TASK 3f Complex 1 Area 4 Remaining Lands
This Task is Fixed Unit Price.
Unit of Issue will be “EACH”, defined as follows: MEC clearance for ten (10) occupied residences (dwellings) consisting of the immediate surrounding property in the amount of two (2) acres, exclusive of the structures footprint, existing structures, permanent bodies of water, abandoned vehicles, semi-permanent debris piles and hard pavement. Work may be issued singularly or in multiples, in which case the work is treated as a single mobilization under Sub-task 3m. This task unit price includes SUXOS and QC/PM support oversight.
This task is for 280 acres or 140 residential dwellings.
QC/QA Criteria
MEC objects with a width (diameter) or thickness inclusive of a 37 mm projectile and larger at a depth of less than 11 diameters of the object.

TASK 3g Lakeview Subdivision
This Task is Firm Fixed Price
This area contains 26 acres
QC/QA Criteria
MEC objects with a width (diameter) or thickness inclusive of a 37 mm projectile and larger at a depth of less than 11 diameters of the object.

TASK 3h Complex 2 Area 4C
This Task is Firm Fixed Price
This area contains 16 acres
QC/QA Criteria
MEC objects with a width (diameter) or thickness inclusive of an 81 mm mortar and larger at a depth of less than 11 diameters of the object.

TASK 3i Complex 2 Area 4 Remaining Lands
This Task is Fixed Unit Price.
Unit of Issue will be “EACH”, defined as follows: MEC clearance for ten (10) occupied residences (dwellings) up to 80 residences, and one MEC clearance for five (5) occupied residences (dwellings) consisting of the immediate surrounding property in the amount of two (2) acres, exclusive of the structures footprint, existing structures, permanent bodies of water, abandoned vehicles, semi-permanent debris piles and hard pavement. Work may be issued singularly or in multiples, in which case the work is treated as a single mobilization under Sub-task 3m. This task unit price includes SUXOS and QC/PM support oversight.

This task is for 170 acres or 85 residential dwellings.

QC/QA Criteria

MEC objects with a width (diameter) or thickness inclusive of and between a 2.36 inch rocket and a 3 inch Stokes mortar at a depth of less than 11 diameters of the object.

TASK 3j Site Wide Institutional Controls

This Task is Time and Material

The contractor shall implement Institutional Controls IAW the Action Memorandum. The contractor shall base his proposal on the following:

a. Distribute Existing Fact Sheet
b. Prepare and Distribute Updated Fact Sheet on a yearly basis
c. Prepare copies of existing produced videos & distribute videos
d. Perform classroom education to local school on a yearly basis
e. Attend and participate in quarterly RAB meetings
f. Setup and maintenance of an internet Website
g. Coordinate the use of a reverse 911 system
h. Prepare a fact sheet for the tax bill
i. Prepare newspaper articles/interviews on a quarterly basis for all local newspapers
j. Prepare 40 warning signs including installation of signs where directed

TASK 3k Evacuations

This is Firm Fixed Unit Price

The contractor shall propose a fixed unit cost per evacuation. Each residence that has to be evacuated will be considered an evacuation. An estimated quantity of 575 evacuations will be included under this task.

TASK 3m Mobilization / Demobilization for Sub-tasks 3f and 3i

This task is Fixed Unit Price.

Unit of Issue is “EACH” defined as a single mobilization/demobilization of one removal team in support of work executed under Sub-tasks 3f and 3i. A removal team is defined as one (1) UXO Tech III and six (6) UXO Tech II personnel. In cases where work is issued under Sub-task 3f and/or 3i in multiples units for execution, it will be treated as a single mobilization/demobilization for that unique portion of work.
3.4 (TASK 4) GEOSPATIAL DATA:
This Task is Firm Fixed Price.
The contractor shall create a GIS in accordance with DID MR-005-07. The coordinate system for this project shall be UTM Coordinate System. All geo-referenced data shall be submitted in UTM Coordinates.

3.5 (TASK 5) ANNUAL REPORT:
This Task is Firm Fixed Price.
The Contractor shall prepare an final annual report in accordance with DID MR-030 “Site Specific Final Report” for work completed during the calendar year periods indicated below; each report is standalone for the reporting period indicated. The contractor shall plan for an onboard review of the Final Report in Huntsville, AL. In addition to the DID requirements, the contractor shall include all QC documentation in the Final Report. The contractor shall also include a cover letter signed by an authorized person (preferably the person who signed the Task Order) of the company certifying, on behalf of the company, that the requirements of this Task Order have been met. Final Report will be submitted as “Draft” initially, and may be converted to a “Final” with no further revisions, amendments and/or complete revision as is warranted.

Task 5: Annual Final Report, task order award through Calendar Year 2008.
Task 5a: Annual Final Report, Calendar Year 2009.
Task 5b: Annual Final Report, Calendar Year 2010.

3.6 (TASK 6) PROJECT MANAGEMENT:
This Task is Firm Fixed Price.
The Contractor shall perform project management activities necessary to maintain project control, to include but not limited to the following:

3.6.1 Schedule: The Contractor shall submit a proposed Project Schedule in a format compatible with Primavera. The Contractor shall update the schedule in accordance with DID MR-085 Project Status Report. A final schedule shall be submitted a minimum of 30 days before commencing fieldwork.

3.6.2 Telephone Conversations/Correspondence Records: The Contractor shall keep a record of each phone conversation and written correspondence concerning this Task Order in accordance with DID MR-055. A copy of this record shall be attached to the Project Status Report.

3.6.3 Project Status Reports: The Contractor shall prepare and submit Project Status Reports in accordance with DID MR-085 and include any other items required in the SOW.
4.0 SUBMITTALS AND CORRESPONDENCE:

4.1 Computer Files: All final text files generated by the Contractor under this contract shall be furnished to the Contracting Officer in Microsoft Word 2000 or higher software. Spreadsheets shall be in Microsoft EXCEL. All final CADD drawings shall be in Microstation 95 or higher. All GIS data shall be in ESRI (Arcview/Arcinfo) format.

4.2 PDF Deliverables: In addition to the paper and digital copies of submittals, the final version of any and all reports and/or plans shall be submitted, uncompressed, on CD/DVD in PDF format along with a linked table of contents, linked tables, linked photographs, linked graphs, and linked figures, all of which shall be suitable for viewing on the Internet. The PDF files shall be created from source documents whenever possible.

4.3 Identification of Responsible Personnel: Each report shall identify the specific members and title of the Contractor's staff and subcontractors that had significant and specific input into the reports' preparation or review.

4.4 Public Affairs: The Contractor shall not publicly disclose any data generated or reviewed under this contract. The Contractor shall refer all requests for information concerning site conditions to the local Corps of Engineers Public Affairs Office (Wilmington District) with a copy furnished to the USAESCH PM. Reports and data generated under this contract are the property of the DoD and distribution to any other source by the Contractor, unless authorized by the Contracting Officer, is prohibited.

4.5 Submittals: The Contractor shall furnish copies of the plans, maps, and reports as identified in paragraph 4.6, or as specified in this SOW, to each addressee listed below in the quantities indicated. The Contractor shall submit 1 copy on CD with each hard copy of the Final versions of all submittals (WPs, Reports, Plans, etc) in accordance with section 4.1. The Contractor shall submit 1 copy on CD with each hard copy, of the Final Versions of all submittals (WPs, Reports, Plans, etc) in accordance with section 4.2. For purposes of the SOW all days are considered calendar days.

<table>
<thead>
<tr>
<th>ADDRESSEE</th>
<th>COPIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Army Engineer District, Wilmington</td>
<td>4</td>
</tr>
<tr>
<td>ATTN: CESAW-PM-C (John Baden)</td>
<td></td>
</tr>
<tr>
<td>P.O. Box 1890</td>
<td></td>
</tr>
<tr>
<td>Wilmington, North Carolina 28240-1890</td>
<td></td>
</tr>
<tr>
<td>US Army Engineering and Support Center, Huntsville</td>
<td>4</td>
</tr>
<tr>
<td>CEHNC-OE-DC</td>
<td></td>
</tr>
</tbody>
</table>
ATTN: Mr. Brendan M. Slater  
4820 University Square  
Huntsville, AL 35816-1822

Commander  
52nd Ordnance Group (EOD)  
5011 N. 26th Street  
Forest Park, GA 30297

4.6 Submittals and Due Dates:

<table>
<thead>
<tr>
<th>SUBMITTAL</th>
<th>DUE DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draft Work Plan</td>
<td>TBD</td>
</tr>
<tr>
<td>Final Work Plan</td>
<td>per Task 1</td>
</tr>
<tr>
<td>Draft Final Report</td>
<td>TBD - Within 60 days of completion of field work for, or end of, reporting period</td>
</tr>
<tr>
<td>Final Report</td>
<td>TBD - Within 30 days of receipt of “Draft” report comments</td>
</tr>
</tbody>
</table>

Milestones:

Work Plan (accepted and NTP provided)
Field Work Completed
Final Removal Report (accepted)

Milestones will be considered met or completed when the appropriate QC documentation has been submitted and QA completed and the submittal and/or product accepted.

5.0 REFERENCES:

5.1 Former Camp Butner EE/CA dated July 2004
5.2 Former Camp Butner TCRA final report Dated November 2004
5.3 Brooksville Action Memorandum(s) Dated: December 2004
5.4 Former Camp Butner ESS (Note: The ESS will be written by USAESCH and provide the contractor when completed.
MODIFICATION 15

TO

W912DY-04-D-0006

T.O. 0007

REMEDIAL ACTION

AT

FORMER CP BUTNER TRAINING CAMP

FUDS ID
I04NC0009

BUTNER, NORTH CAROLINA

June 5, 2009
Modification to
SCOPE OF WORK
REMEDIAL ACTION
AT
FORMER CP BUTNER TRAINING CAMP
Butner, North Carolina

1.0 Introduction

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

2.0 Purpose of this Mod

The purpose of this modification is to award the remedial action for Unit 6 in Complex 1 along with 40 evacuation units.

3.0 Modifications to Task 3

Additional Work at Complex 1

- Ordnance clearance will be performed for ten residences in Complex 1 in accordance with the approved workplan for this remedial action.
- Forty evacuations are estimated to be required to complete the ordnance clearances for this unit.

4.0 Period of Performance

Period of performance ending date is (estimated) 31 December 2009.
MODIFICATION 16

TO

W912DY-04-D-0006

T.O. 0007

REMEDIAL ACTION

AT

FORMER CP BUTNER TRAINING CAMP

FUDS ID

I04NC0009

BUTNER, NORTH CAROLINA

September 14, 2009
1.0 Introduction

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

2.0 Purpose of this Mod

The purpose of this modification is to award the remedial action for one 10-house unit and one 5-house unit in Complex 1 along with 40 evacuation units and one mob/demob unit.

3.0 Modifications to Task 2

Additional Work at Complex 1

- Ordinance clearance will be performed for fifteen residences in Complex 1 in accordance with the approved workplan for this remedial action.
- Fifty evacuations are estimated to be required to complete the ordnance clearances for this unit.
- Mob/demob will be required to complete this work.

4.0 Period of Performance

Period of performance is extended to March 30, 2011 with award of this modification.
MODIFICATION 17

TO

W912DY-04-D-0006

T.O. 0007

REMEDIAL ACTION

AT

FORMER CP BUTNER TRAINING CAMP

FUDS ID

IO4NC0009

BUTNER, NORTH CAROLINA

September 24, 2009
1.0 Introduction

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

2.0 Purpose of this Mod

The purpose of this modification is to award the remedial action for one 10-house unit in Complex 1 along with 60 evacuation units and four mob/demob units.

3.0 Modifications to Task 2

Additional Work at Complex 1

- Ordnance clearance will be performed for ten residences in Complex 1 in accordance with the approved workplan for this remedial action.
- Sixty evacuations are estimated to be required to complete the ordnance clearances for this unit.
- Two initial mob/demob and two additional mob/demobs will be required to complete this work due to anticipated interruptions in work due to the holidays.

4.0 Period of Performance

Period of performance is extended to June 30, 2011 with award of this modification.
SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been added by full text:
MODIFICATION 18 SCOPE OF WORK

MODIFICATION 18

TO

W912DY-04-D-0006

T.O. 0007

REMEDIAL ACTION

AT

FORMER CP BUTNER TRAINING CAMP

FUDS ID
I04NC0009

BUTNER, NORTH CAROLINA

May 31, 2010

Modification 18 to
1.0 Introduction

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of five and ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

2.0 Purpose of this Mod

The purpose of this modification is to award the remedial action for nine 10-house units and one 5-house unit to complete the current remedial action under the current task order. No additional units are needed for mobilizations, demobilizations or evacuations.

3.0 Modifications to Task 2

Additional Work at the Former Camp Butner Training

☐ Ordinance clearance will be performed for nine units of ten residences and one unit of five residences in Complex 1 in accordance with the approved workplan for this remedial action.

4.0 Period of Performance

Period of performance is extended to January 30, 2012 with award of this modification.
MODIFICATION 19

TO

W912DY-04-D-0006

T.O. 0007

REMEDIAL ACTION

AT

FORMER CP BUTNER TRAINING CAMP

FUDS ID

I04NC0009

BUTNER, NORTH CAROLINA

August 6, 2010
1.0  Introduction

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of five and ten residences along with unit prices for evacuations, mobilizations and other fixed costs. During the course of the remedial action, several of the units had site conditions that differed significantly from the conditions on which the unit costs were based.

2.0 Purpose of this Mod

The purpose of this modification is to process an equitable adjustment for the site conditions that varied significantly from the conditions on which the unit costs were based.

3.0 Modifications

Differing Site Conditions - Vegetation

- Costs for brush clearing were based on information in the EE/CA and field experience during the TCRA. However, in the interim between completion of the TCRA in 2003 and start of the current remedial action, vegetation had grown quite thick in the Lakeview Subdivision. Significant additional effort was required to clear the vegetation prior to the removal action.

Differing Site Conditions – Anomaly Density and Survey Costs

- The EE/CA data indicated 25 to 75 anomalies per acre and the contractor fee proposal estimated 60 anomalies per grid, or 240 anomalies per acre. In general, the anomaly density averaged 433 anomalies per acre, much higher than estimated. However, on several properties, the property owners refused to let the contractor excavate the anomalies due to property improvement or other reasons. The contractor could not get agreement from the property owner to complete investigation of the anomalies, so surveyed those areas for future reference. Costs for the survey to record the specific areas where the owner refused to allow the investigation to be completed are included in this request.

Extensive Use of Miniature Open Front Barricade

- The fee proposal was based on evacuating property owners during active removal actions. In several cases, the owners would not agree to evacuate and the contractor had to use the miniature open front barricade to protect the property owners from removal action activities. This slowed production significantly. As the contractor made a concerted effort to accommodate the property owners but had to use the MOFB to ensure their safety, the additional effort associated with that action should be included in the equitable adjustment.
Rights of Entry Issues

- Issues with obtaining rights of entry and with interruptions by residents and homeowners delayed work, reduced production and changed the work schedule for this project. Acquisition of the ROEs is an SAS function and consideration should be given the contractor for the work delays due to ROE issues.

Mobilization Adjustment

- The contractor incurred a cost savings for mobilization and demobilization costs because several modifications were awarded closely enough in time that mobilization and demobilization was not required between the modifications. The contractor therefore proposes a credit to the government for the reduced costs.

4.0 Period of Performance

Period of performance will not be changed with award of this mod.
The following have been added by full text:

SCOPE OF WORK

MODIFICATION 20

TO

W912DY-04-D-0006

T.O. 0007

REMEDIAL ACTION

AT

FORMER CP BUTNER TRAINING CAMP

FUDS ID

104NC0009

BUTNER, NORTH CAROLINA
November 30, 2010

Modification 20 to
SCOPE OF WORK
REMEDIAL ACTION
AT
FORMER CP BUTNER TRAINING CAMP
Butner, North Carolina

1.0 Introduction

A remedial action is currently in progress to identify and remove ordnance around residential properties on the former Camp Butner property. A fixed price has been negotiated for units of five and ten residences along with unit prices for evacuations, mobilizations and other fixed costs.

2.0 Purpose of this Mod

The purpose of this modification is to award a final remedial action modification to this task order to complete all removals approved under the current EE/CA and action memos. The modification consists of one 5-house unit to complete the current remedial action under the current task order. No additional units are needed for mobilizations, demobilizations or evacuations.

3.0 Modifications to Task 2

Additional Work at the Former Camp Butner Training

Ordinance clearance will be performed for one unit of five residences in accordance with the approved workplan for this remedial action.

4.0 Period of Performance

Period of performance is extended to July 30, 2012 with award of this modification.
APPENDIX B

B.0 MEC AND MDAS ACCOUNTABILITY

This appendix contains the following documentation:

- Grid Tracking Logs
- MEC Accountability Log
- Explosive Usage Logs & Magazine Data Cards
- DD Forms 1348 and MDAS Scrap Destruction Certifications
- Grid Records (on CD)
Grid Tracking Logs
<table>
<thead>
<tr>
<th>RESIDENCE</th>
<th>BRUSH CLEARANCE</th>
<th>MAG/ FLAG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UNIT 10-1, 3191 Range Road, Stem, NC, Jimmy Wicker</strong></td>
<td>25-Nov-09</td>
<td>2,3</td>
</tr>
<tr>
<td><strong>UNIT 10-2, 1095 Bourbon Street, Stem, NC, Willie &amp; Jennifer Conway</strong></td>
<td>3-Dec-09</td>
<td>1,2</td>
</tr>
<tr>
<td><strong>UNIT 10-3, 712-C Enon Road, Oxford, NC, Lonnie Glover-Owner Joseph Ostby</strong></td>
<td>10-Dec-09</td>
<td>2</td>
</tr>
<tr>
<td><strong>UNIT 10-4, 712-F Enon Road, Oxford, NC, Joseph Ostby</strong></td>
<td>14-Dec-09</td>
<td>3</td>
</tr>
<tr>
<td><strong>UNIT 10-5, 4156 Blue Creek Lane, Oxford, NC, Matthew &amp; Deborah Clark</strong></td>
<td>7-Dec-09</td>
<td>2,3</td>
</tr>
<tr>
<td><strong>UNIT 10-6, 1093 Bourbon Street, Stem, NC, Chip Quesenberry, (owner) Tom Washington, Jr.</strong></td>
<td>12-Jul-10</td>
<td>2</td>
</tr>
<tr>
<td><strong>UNIT 10-7, 1091 Bourbon St, Stem, NC Brandon Mikels</strong></td>
<td>12-Jul-10</td>
<td>1</td>
</tr>
<tr>
<td><strong>UNIT 10-8, 1089 Bourbon St, Stem, NC Philip &amp; Valerie Carrigan</strong></td>
<td>15-Jul-10</td>
<td>1</td>
</tr>
<tr>
<td><strong>UNIT 10-9, 1090 Bourbon St, Stem, NC Teresa Cope</strong></td>
<td>19-Jul-10</td>
<td>1,3</td>
</tr>
<tr>
<td><strong>UNIT 10-10, 1088 Bourbon St, Stem, NC, Ron Dixon</strong></td>
<td>15-Jul-10</td>
<td>2</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td>Unit 11-1, 1044 Enon Road, Oxford, NC, Creg &amp; Rose Tunstall</td>
<td>20-Jul-10</td>
<td>1,2</td>
</tr>
<tr>
<td>Unit 11-2, 1114 Roberts Chapel Road, Stem, NC, Residents work for Alan Schmidt at 1094 Roberts Chapel Road (Unit 12-9)</td>
<td>20-Jul-10</td>
<td>1,3,4</td>
</tr>
<tr>
<td>Unit 11-3, 1086 Roberts Chapel Road, Stem, NC, Mike Arrington</td>
<td>16-Aug-10</td>
<td>4</td>
</tr>
<tr>
<td>Unit 11-4, 1082 Wildlife Dr, Stem, NC, Juan A. Marin-Quintero</td>
<td>11-Aug-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 11-5, 1078 Wildlife Dr, Stem, NC, Roger Gibson</td>
<td>10-Aug-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 11-6, 1074 Wildlife Dr, Stem, NC, Michael &amp; Cheryl Brelinsky</td>
<td>26-Jul-10</td>
<td>26-Jul-10</td>
</tr>
<tr>
<td>Unit 11-7, 1072 Wildlife Dr, Stem, NC, George Waldron</td>
<td>26-Jul-10</td>
<td>26-Jul-10</td>
</tr>
<tr>
<td>Unit 11-8, 1068 Wildlife Dr, Stem, NC, Joseph Waters</td>
<td>26-Jul-10</td>
<td>26-Jul-10</td>
</tr>
<tr>
<td>Unit 11-9, 1058 Wildlife Dr, Stem, NC, Donna Beckwith</td>
<td>26-Jul-10</td>
<td>26-Jul-10</td>
</tr>
<tr>
<td>Unit 11-10, 1062 Wildlife Dr, Stem, NC, Bobby &amp; Sallie Boone</td>
<td>26-Jul-10</td>
<td>26-Jul-10</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td><strong>Unit 12-1, 1065 Wildlife Dr, Stem, NC, Robbie Christopher Watkins</strong></td>
<td>27-Jul-10</td>
<td>2,4</td>
</tr>
<tr>
<td><strong>Unit 12-2, 1067 Wildlife Dr, Stem, NC, Johnny &amp; Penny Ray</strong></td>
<td>9-Aug-10</td>
<td>9-Aug-10</td>
</tr>
<tr>
<td><strong>Unit 12-3, 1061 Wildlife Dr, Stem, NC, Teresa Hendon</strong></td>
<td>26-Jul-10</td>
<td>27-Jul-10</td>
</tr>
<tr>
<td><strong>Unit 12-4, 1071 Wildlife Dr, Stem, NC, Stewart &amp; Joanne McFarland-Renters-Jessie Lee</strong></td>
<td>9-Aug-10</td>
<td>9-Aug-10</td>
</tr>
<tr>
<td><strong>Unit 12-5, 1086 Wildlife Dr, Stem, NC, Chris Barrett</strong></td>
<td>16-Aug-10</td>
<td>3</td>
</tr>
<tr>
<td><strong>Unit 12-6, 1077 Wildlife Dr, Stem, NC, Belinda Elmore</strong></td>
<td>9-Aug-10</td>
<td>9-Aug-10</td>
</tr>
<tr>
<td><strong>Unit 12-7, 1064 Wildlife Dr, Stem, NC, Mike &amp; Trish Watkins</strong></td>
<td>26-Jul-10</td>
<td>26-Jul-10</td>
</tr>
<tr>
<td><strong>Unit 12-8, 1081 Wild Briar, Stem, NC, Perry &amp; Pam Hansley</strong></td>
<td>23-Aug-10</td>
<td>3</td>
</tr>
<tr>
<td><strong>Unit 12-9, 1080 Wild Briar Lane, Stem, NC, Jeffery &amp; Pamela Gillis</strong></td>
<td>23-Aug-10</td>
<td>23-Aug-10</td>
</tr>
<tr>
<td><strong>Unit 12-10, 3542 Saddle Ridge Road, Stem, NC, Randy &amp; Linda Overby</strong></td>
<td>23-Aug-10</td>
<td>23-Aug-10</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td>Unit 13-1, 1094 Roberts Chapel Road, Stem, NC, Alan Schmidt</td>
<td>8-Nov-10</td>
<td>1,2</td>
</tr>
<tr>
<td>Unit 13-2, 176 Enon Road, Oxford, NC, Stacy Seaford</td>
<td>13-Oct</td>
<td>3,4</td>
</tr>
<tr>
<td>Unit 13-3, 4109 Blue Mountain Road, Oxford, NC, Julia Dearborn</td>
<td>12-Oct</td>
<td>1,2,3,4</td>
</tr>
<tr>
<td>Unit 13-4, 5315 Isham Chambers Road, Rougemont, NC, Charles Hester</td>
<td>1-Nov</td>
<td>1,2</td>
</tr>
<tr>
<td>Unit 13-5, 1026 Enon Road, Oxford, NC, Lonnie &amp; Chris Glover</td>
<td>10-Sep</td>
<td>1,2,4</td>
</tr>
<tr>
<td>Unit 13-6, 1112 Enon Road, Oxford, NC, Alton Hilton</td>
<td>30-Aug</td>
<td>2,4</td>
</tr>
<tr>
<td>Unit 13-7, 4149 Crown Oaks Drive, Oxford, NC, Brad &amp; Kim Scoggins</td>
<td>17-Nov</td>
<td>17-Nov</td>
</tr>
<tr>
<td>Unit 13-8, 4144 Blue Creek Lane, Oxford, NC, 27565, 919-603-5978, Steven &amp; Gina Hemig</td>
<td>25-Aug</td>
<td>1,2</td>
</tr>
<tr>
<td>Unit 13-9, 8412 Range Road, Rougemont, NC, Bill Mangum</td>
<td>29-Sep-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 13-10, 1000 Fate Washington Rd, Stem, NC, Ronald &amp; Pamela Daniels</td>
<td>1-Nov-10</td>
<td>3</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td>Unit 14-1, 1119 Bowling Mountain Road, Stem, NC, James &amp; Susan Bass</td>
<td>21-Oct-10</td>
<td>1,3</td>
</tr>
<tr>
<td>Unit 14-2, 1133 Bowling Mountain Road, Stem, NC, Claude &amp; Barbara Campbell</td>
<td>21-Oct-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 14-3, 4093 Range Road, Stem, NC, Robert &amp; Carol Perunko</td>
<td>27-Oct-10</td>
<td>27-Oct-10</td>
</tr>
<tr>
<td>Unit 14-4, 1002 Fate Washington Road, Richard Hoppenworth</td>
<td>25-Oct-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 14-5, 1102 Fate Washington Road, Stem, NC, Tammy Jackson</td>
<td>17-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 14-6, 1072 Fate Washington Rd, Stem, NC, Susan Norris</td>
<td>23-Nov-10</td>
<td>23-Nov-10</td>
</tr>
<tr>
<td>Unit 14-7, 1084 Fate Washington Rd, Stem, NC, Stacy Peebles</td>
<td>10-Nov-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 14-8, 1096 Fate Washington Road, Stem, NC, Charles R. Corbin III</td>
<td>11-Nov-10</td>
<td>3,2</td>
</tr>
<tr>
<td>Unit 14-9, 4139 Blue Mountain Road, Oxford, NC, Cherie Jones</td>
<td>22-Nov-10</td>
<td>1,3</td>
</tr>
<tr>
<td>Unit 14-10, 4139-A Blue Mountain Road, Oxford, NC, Cherie Jones</td>
<td>22-Nov-10</td>
<td>2,4</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>------------------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td>Unit 4-1, 195 Enon Road, Oxford, NC, Eddie &amp; Debbie Daniel</td>
<td>2-Aug-10</td>
<td>2-Aug-10</td>
</tr>
<tr>
<td>Unit 4-2, 193 Enon Road, Oxford, NC, Raymond Hicks</td>
<td>2-Aug-10</td>
<td></td>
</tr>
<tr>
<td>Unit 4-3, 1041 Enon Road, Oxford, NC, Robert &amp; Charlotte Baczek</td>
<td>7-Sep-10</td>
<td>7-Sep-10</td>
</tr>
<tr>
<td>Unit 4-4, 1043 Enon Road, Oxford, NC, Ronald &amp; Lisa Tarlton</td>
<td>7-Sep-10</td>
<td>7-Sep-10</td>
</tr>
<tr>
<td>Unit 4-5, 1049 Enon Road, Oxford, NC, Mike &amp; Shannon Medlin, (owner) Denise Mazlak</td>
<td>1-Sep-10</td>
<td>7-Sep-10</td>
</tr>
<tr>
<td>Unit 4-6, 1319 Berea Road, Rougemont, NC, Marjorie Winstead</td>
<td>10-Sep-10</td>
<td></td>
</tr>
<tr>
<td>Unit 4-7, 11158 Range Road, Rougemont, NC, Richard Harris</td>
<td>26-Aug-10</td>
<td></td>
</tr>
<tr>
<td>Unit 4-8, 89 George Harris Road, Rougemont, NC, Elsie Harris</td>
<td>31-Aug-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 4-9, 11014 Range Road, Rougemont, NC, George &amp; Maggie Harris Jr.</td>
<td>24-Aug-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 4-10, 90 George Harris Road, Rougemont, NC, George &amp; Maggie Harris Jr.</td>
<td>24-Aug-10</td>
<td>4</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td>Unit 5-1, 501 Enon Road, Oxford, NC, Hal Harrison</td>
<td>13-Sep-10</td>
<td>1,2</td>
</tr>
<tr>
<td>Unit 5-2, 88 George Harris Road, Rougemont, NC, Elsie Harris</td>
<td>13-Sep-10</td>
<td>10-Sep-10</td>
</tr>
<tr>
<td>Unit 5-3, 267 George Harris Road, Rougemont, NC, Carl Mangum</td>
<td>16-Sep-10</td>
<td>13-Sep-10</td>
</tr>
<tr>
<td>Unit 5-4, 347 Bethany Church Road, Rougemont, NC, Bill &amp; Linda Mangum</td>
<td>27-Sep-10</td>
<td>1,4</td>
</tr>
<tr>
<td>Unit 5-5, 4669 Range Road, Oxford, NC, Finnie White Jr.</td>
<td>4-Oct-10</td>
<td>4</td>
</tr>
<tr>
<td>Unit 5-6, 1741 Berea Road, Rougemont, NC, Freddie &amp; Alice Newsome</td>
<td>20-Sep-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 5-7, 1715A Berea Road, Rougemont, NC, Nancy Mangum,</td>
<td>20-Sep-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 5-8, 1077 Enon Road, Oxford, NC, Christopher &amp; Tammy Adcock</td>
<td>27-Sep-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 5-9, 531 Berea Road, Rougemont, NC, Jerry Morris, (owner-James &amp; Nina Hill)</td>
<td>27-Sep-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 5-10, 1715B Berea Road, Rougemont, NC, Nancy Mangum,</td>
<td>23-Sep-10</td>
<td>1,2</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td>Unit 6-1, 5067 Range Road, Oxford, NC, Andre Baskett</td>
<td>4-Oct-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 6-2, 5071 Range Road, Oxford, NC, Lisa Brogden</td>
<td>4-Oct-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 6-3, 5073 Range Road, Oxford, NC, Tim McKnight</td>
<td>4-Oct-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 6-4, 5075 Range Road, Oxford, NC, Keith Miller</td>
<td>6-Oct-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 6-5, 5079 Range Road, Oxford, NC, Victoria Harding</td>
<td>5-Oct-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 6-6, 5087 Range Road, Oxford, NC, William Beard</td>
<td>18-Oct-10</td>
<td>19-Oct-10</td>
</tr>
<tr>
<td>Unit 6-7, 5097 Range Road, Oxford, NC, Michael Sandifer</td>
<td>18-Oct-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 6-8, 5201 Range Road, Rougemont, NC, Rev. William &amp; Annie Black</td>
<td>7-Oct-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 6-9, 5203 Range Road, Rougemont, NC, Archie Wilkerson</td>
<td>7-Oct-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 6-10, 580 A&amp;W Bowling Road, Rougemont, NC, Renter-Amber Stepp, (owner- Iris Ann Day)</td>
<td>11-Oct-10</td>
<td>2</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Date Start</td>
<td>Date Comp</td>
<td>TM</td>
</tr>
<tr>
<td>------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-----------</td>
</tr>
<tr>
<td><strong>AREA 4, RANGE COMPLEX 2, UNIT 7</strong></td>
<td></td>
<td>-----------</td>
</tr>
<tr>
<td>Unit 7-1, 655 Bethany Church Road, Rougemont, NC, (renter) Rhonda Rose, (owner) John Mangum</td>
<td>12-Oct-10</td>
<td>1,2,4</td>
</tr>
<tr>
<td>Unit 7-2, 61 A&amp;W Bowling Road, Rougemont, NC, renter Elizabeth Stepp, (owner-Iris Ann Day)</td>
<td>11-Oct-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 7-3, 4536 Sugar Maple Road, Oxford, NC, Donnie Hilliard</td>
<td>15-Nov-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 7-4, 5447 Range Road, Rougemont, NC, Amy Piper</td>
<td>4-Nov-10</td>
<td>2,3</td>
</tr>
<tr>
<td>Unit 7-5, 1119 Enon Road, Oxford, NC, Chris Oliver (owner:Ben Adcock)</td>
<td>27-Oct-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 7-6, 4532 Sugar Maple Road, Oxford, NC, Rachel Swift</td>
<td>18-Nov-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 7-7, 4539 Sugar Maple Road, Oxford, NC, Kenny &amp; Barbara Gregory</td>
<td>11-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 7-8, 4559 Sugar Maple Rd, Oxford, NC Tammy Wilson</td>
<td>28-Oct-10</td>
<td>1,2</td>
</tr>
<tr>
<td>Unit 7-9, 4528 Sugar Maple Rd, Oxford, NC, William Williams</td>
<td>18-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 7-10, 4551 Sugar Maple Road, Oxford, NC, Robert &amp; Sara Peace</td>
<td>9-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>-----------</td>
<td>-----------------</td>
<td>-----------</td>
</tr>
<tr>
<td></td>
<td>Area 4, Range Complex 2, Unit 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td>Unit 8-1, 4575 Sugar Maple Rd, Oxford, NC, Lisa Jeffries</td>
<td>16-Nov-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 8-2, 4533 Sugar Maple Road, Oxford, NC, Steve Holcomb</td>
<td>10-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 8-3, 4540 Sugar Maple Road, Oxford, NC, Waithera Braxton</td>
<td>15-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 8-4, 4547 Sugar Maple Road, Oxford, NC, Wade Thomas</td>
<td>3-Nov-10</td>
<td>2,3</td>
</tr>
<tr>
<td>Unit 8-5, 4543 Sugar Maple Road, Oxford, NC, Terry Cannady</td>
<td>2-Nov-10</td>
<td>3</td>
</tr>
<tr>
<td>Unit 8-6, 4555 Sugar Maple Road, Oxford, NC, Thomas &amp; Tina Filler</td>
<td>3-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 8-7, 4571 Sugar Maple Road, Oxford, NC, Steven Logan</td>
<td>15-Nov-10</td>
<td>2</td>
</tr>
<tr>
<td>Unit 8-8, 4567 Sugar Maple Road, Oxford, NC, Robert Hudnall</td>
<td>15-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>Unit 8-9, 4535 Sugar Maple Road, Oxford, NC, Robin French</td>
<td>9-Nov-10</td>
<td>3,4</td>
</tr>
<tr>
<td>Unit 8-10, 4579 Sugar Maple Road, Oxford, NC, Scott &amp; Stacey Wade</td>
<td>11-Nov-10</td>
<td>1</td>
</tr>
<tr>
<td>RESIDENCE</td>
<td>BRUSH CLEARANCE</td>
<td>MAG/ FLAG</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>-----------------</td>
<td>----------------------</td>
</tr>
<tr>
<td></td>
<td>Date Start</td>
<td>Date Comp</td>
</tr>
<tr>
<td></td>
<td>Date</td>
<td>Start</td>
</tr>
<tr>
<td>Unit 4C9, 4578 Uzzle Road, Rougemont, NC, Wyatt &amp; Amy Blalock</td>
<td>1-Dec-10</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit 4C10, 4573 Uzzle Road, Rougemont, NC, Dan &amp; Christy Glosson</td>
<td>1-Dec-10</td>
<td>2</td>
</tr>
</tbody>
</table>
MDAS Accountability Log
<table>
<thead>
<tr>
<th>Grid/House ID</th>
<th>Team #</th>
<th>Date Found</th>
<th>TYPE</th>
<th>Depth (in)</th>
<th>Disposal Date</th>
<th>Photo ID</th>
<th>Type</th>
<th>Quantity</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 12-4</td>
<td>3</td>
<td>16-Aug-10</td>
<td>X</td>
<td>2&quot;</td>
<td>19-Aug-10</td>
<td>C-1 to C-4</td>
<td>60mm Mortar HE</td>
<td>1</td>
<td>guard posted on round. Disposal was delayed due to awaiting shipment of jet perforators. Per USACE, use of boosters prohibited with sandbag barricade procedure.</td>
</tr>
<tr>
<td>Unit 5-8</td>
<td>2</td>
<td>30-Sep-10</td>
<td>X</td>
<td>3&quot;</td>
<td>30-Sep-10</td>
<td>C-12</td>
<td>2.36&quot; Rkt HEAT</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Unit 7-1</td>
<td>1</td>
<td>13-Oct-10</td>
<td>X</td>
<td>3&quot; to 12&quot;</td>
<td>13-Oct-10</td>
<td>C-14 to C-19</td>
<td>81mm Mortar HE</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Unit 7-1</td>
<td>1</td>
<td>14-Oct-10</td>
<td>X</td>
<td>9&quot;</td>
<td>14-Oct-10</td>
<td>C-13</td>
<td>81mm Mortar HE</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Unit 13-3</td>
<td>4</td>
<td>18-Oct-10</td>
<td>X</td>
<td>6&quot;</td>
<td>19-Oct-10</td>
<td>C-20 to C-24</td>
<td>155mm HE</td>
<td>1</td>
<td>Intentional &quot;Low-Order&quot; disposal to prevent ground shock from spooking nearby horses.</td>
</tr>
<tr>
<td>Unit 13-3</td>
<td>4</td>
<td></td>
<td>X</td>
<td></td>
<td>20-Oct-10</td>
<td>C-25 to C-27</td>
<td></td>
<td></td>
<td>Clean-up shot for 155mm disposal that &quot;Low-Ordered&quot; on 19Oct10</td>
</tr>
<tr>
<td>Unit 4C-9</td>
<td>2</td>
<td>14-Dec-10</td>
<td>X</td>
<td>2&quot;</td>
<td>14-Dec-10</td>
<td>C-30</td>
<td>MKII Hand Gren HE</td>
<td>1</td>
<td>Transported and destroyed with final clean-up shot of all explosives</td>
</tr>
</tbody>
</table>
Explosives Usage Logs
# EXPLOSIVE USAGE RECORD

**Team Number:** 3  
**Date:** 19 Aug 10  
**Project Name:** Camp Butner

**Team Leader:** H. Stepp  
**Work area/Grid Number:** Unit 12-4 (1071 Wildlife Dr)

<table>
<thead>
<tr>
<th>EXPLOSIVES</th>
<th>LOT NUMBER</th>
<th>QUANTITIES</th>
<th>Signatures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detonators w/24ft lead</td>
<td>10MY10S1</td>
<td>1</td>
<td>Initials</td>
</tr>
<tr>
<td>Detonators w/24ft lead</td>
<td>09N009S1</td>
<td></td>
<td>Used</td>
</tr>
<tr>
<td>Det Cord 80 Gr</td>
<td>11JU10SE1</td>
<td>6 ft</td>
<td>Initials</td>
</tr>
<tr>
<td>Shape Charges</td>
<td>HES-APRV-004</td>
<td>1 ea</td>
<td>Returned</td>
</tr>
<tr>
<td>Lead in Line</td>
<td>11FE10S1</td>
<td>200 ft</td>
<td>Initials</td>
</tr>
<tr>
<td>Det Cord 50 gr</td>
<td>23JU08E1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black Cap Booster 3/4 lb</td>
<td>28SE09E1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Signatures:**

**Reviewed and Accepted:**  
**Date:** 19 Aug 10
# EXPLOSIVE USAGE RECORD

<table>
<thead>
<tr>
<th>EXPOSIVES</th>
<th>LOT NUMBER</th>
<th>QUANTITIES</th>
<th>SIGNATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detonators w/24ft lead</td>
<td>10MY10S1</td>
<td>1 025 1 Aa 0 075</td>
<td>Team Leader: &lt;signature&gt;</td>
</tr>
<tr>
<td>Detonators w/24ft lead</td>
<td>09N009S1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Det Cord 80 Gr</td>
<td>11JU10SEI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shape Charges</td>
<td>HES-APRV-004</td>
<td>1 025 1 Aa 0 075</td>
<td>Checker: &lt;signature&gt;</td>
</tr>
<tr>
<td>Lead in Line</td>
<td>11FE10S1</td>
<td>220' 025 220' Aa 0 075</td>
<td></td>
</tr>
<tr>
<td>Det Cord 50 gr</td>
<td>23JU08E1</td>
<td>3 ft 013 3 ft Aa 0 075</td>
<td></td>
</tr>
<tr>
<td>Black Cap Booster 3/4lb</td>
<td>28SE09E1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reviewed and Accepted: [Signature]  
Senior UXO Supervisor: [Signature]  
Date: 30 Sep 10
# Explosive Usage Record

**Contract Number:** 6007-xxx

<table>
<thead>
<tr>
<th>Team Number</th>
<th>Date</th>
<th>Project Name</th>
<th>Team Leader</th>
<th>Work area/Grid Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>13 Oct 10</td>
<td>Camp Butner</td>
<td>Allen</td>
<td>Unit 7-1 655 Bethany Church Rd</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Explosives</th>
<th>Lot Number</th>
<th>Quantities</th>
<th>Signatures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detonators w/24 ft lead</td>
<td>10MY10S1</td>
<td>Issued: 2</td>
<td>Returned: 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Used: 2</td>
<td>Initials: 0825</td>
</tr>
<tr>
<td>Detonators w/24 ft lead</td>
<td>09N009S1</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Det Cord 80 Gr</td>
<td>11JU10SE1</td>
<td>Issued: 31</td>
<td>Returned: 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Used: 31</td>
<td>Initials: 0825</td>
</tr>
<tr>
<td>Shape Charges</td>
<td>HES-APRV-004</td>
<td>Issued: 4</td>
<td>Returned: 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Used: 4</td>
<td>Initials: 0825</td>
</tr>
<tr>
<td>Lead in Line</td>
<td>11FE10S1</td>
<td>Issued: 600</td>
<td>Returned: 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Used: 600</td>
<td>Initials: 0825</td>
</tr>
<tr>
<td>Det Cord 50 gr</td>
<td>23JU08E1</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Black Cap Booster 3/4 lb</td>
<td>28SE09E1</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

Reviewed and Accepted: [Signature]

Senior UXO Supervisor

USA Environmental, Inc.
<table>
<thead>
<tr>
<th>Team Number</th>
<th>Team Leader</th>
<th>LOT NUMBER</th>
<th>EXPLOSIVES</th>
<th>QUANTITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S Allen</td>
<td>10MY10S1</td>
<td>Detonators w/24ft lead</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>09N009S1</td>
<td>Detonators w/24ft lead</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11JU10SE1</td>
<td>Det Cord 80 Gr</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Det Cord 80 Gr</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Det Cord 80 Gr</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Det Cord 80 Gr</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Reviewed and Accepted: [Signature] 
Senior UXO Supervisor: [Signature]

Contract Number: 6001-xxx
Project Name: Camp Butner

Date: 14OCT10

USA Environmental, Inc.
### EXPLOSIVE USAGE RECORD

**Contract Number:** 6007-xxx

**Team Number:** 4  
**Date:** 19 Oct '10

**Team Leader:** ALU  
**Project Name:** Camp Butner  
**Work area/Grid Number:** unit 13-3 4109 Blue Mtn Rd

<table>
<thead>
<tr>
<th>EXPLOSIVES</th>
<th>LOT NUMBER</th>
<th>QUANTITIES</th>
<th>Signatures</th>
</tr>
</thead>
</table>
| Detonators w/24ft lead | 10MY10S1 | Issued: 1  
Used: 1  
Returned: 0  
Initials: SK  
| Team Leader:  
Checker: |
| Detonators w/24ft lead | 09N09S1 | N/A  
N/A  
N/A  
| |
| Det Cord 80 Gr       | 11JU10SE1  | 15'  
15'  
Returned: 0  
Initials: SK  
|  
| Team Leader:  
Checker: |
| Shape Charges       | HES-APRV-004 | 2  
2  
Returned: 0  
Initials: SK  
|  
| Team Leader:  
Checker: |
| Lead in Line        | 11FE10S1  | 1080'  
1080'  
Returned: 0  
Initials: SK  
|  
| Team Leader:  
Checker: |
| Det Cord 50 gr       | 23JU08E1  | N/A  
N/A  
N/A  
|  
| Team Leader:  
Checker: |
| Black Cap Booster 3/4 lb | 28SE09E1 | N/A  
N/A  
N/A  
|  
| Team Leader:  
Checker: |

**Reviewed and Accepted:**

[Signature]

**Date:** 19 Oct '10

---

USA Environmental, Inc.
## Explosive Usage Record

### Explosives

<table>
<thead>
<tr>
<th>Explosive Type</th>
<th>Quantity</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detonators w/24ft lead</td>
<td>1</td>
<td>SA</td>
</tr>
<tr>
<td>Detonators w/24ft lead</td>
<td>15'</td>
<td>SA</td>
</tr>
<tr>
<td>Detonators w/24ft lead</td>
<td>300'</td>
<td>SA</td>
</tr>
<tr>
<td>Detonators w/24ft lead</td>
<td>400'</td>
<td>SA</td>
</tr>
<tr>
<td>Detonators w/24ft lead</td>
<td>600'</td>
<td>SA</td>
</tr>
<tr>
<td>Black Cap Booster</td>
<td>1</td>
<td>SA</td>
</tr>
</tbody>
</table>

### Quantities

<table>
<thead>
<tr>
<th>Lot Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10MY10S1</td>
<td>1</td>
</tr>
<tr>
<td>09NO09S1</td>
<td>N/A</td>
</tr>
<tr>
<td>11UJ01SEI</td>
<td>15' SA</td>
</tr>
<tr>
<td>HES-AP/004</td>
<td>N/A</td>
</tr>
<tr>
<td>11FE10S1</td>
<td>400' SA</td>
</tr>
<tr>
<td>23JU08E1</td>
<td>600' SA</td>
</tr>
<tr>
<td>28SE09E1</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Signatures

- Camp Burner: [Signature]
- Team Leader: [Signature]
- Checker: [Signature]
- [Name]

### Details

- Date: 20 Oct 10
- Team Number: [Number]
- Work Area Grid Number: [Number]
- Project Name: 13-3 H09 Blue Mtn Rd
- Contract Number: 6007.xxx

---

**Reviewed and Accepted:**

[Signature]

---

**Senior UXO Supervisor:**

[Signature]
<table>
<thead>
<tr>
<th>EXPOSIVE USAGE RECORD</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit HC-9 and End of Project Clean-up</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date: 14 Dec 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Work area/ Grid Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date: 15/40 Ac 1603</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SF 16:00 SF 14:04</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lot Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10MY10S1</td>
<td>4</td>
<td>19</td>
<td>430'</td>
<td>HES-APRV-004</td>
</tr>
<tr>
<td>09N09S1</td>
<td></td>
<td></td>
<td></td>
<td>11FE10S1</td>
</tr>
<tr>
<td>11UJ10SEI</td>
<td></td>
<td></td>
<td></td>
<td>23UB8E1</td>
</tr>
<tr>
<td>28SE09E1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXPOSIVES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detonators w/ 24th lead</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detonators w/ 24th lead</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Det Cord 80 Gr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Det Cord 50 gr</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black Cap Booster 344b</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shape Charges</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead in Line</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reviewed and Accepted:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Senior UXO Supervisor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USA Environmental, Inc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Magazine Data Cards
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
## Magazine Data Card

**Camp Butner, NC**

**MAG #** 2

**Lot Number:** 11FE10S1

### Nomenclature: Lead in Line

**Unit Of Issue:** Foot

<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Purpose</th>
<th>Received</th>
<th>Issue</th>
<th>Balance</th>
<th>Checker's Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-Jul-10</td>
<td>G Braddock</td>
<td>Initial Issue</td>
<td>5000 ft</td>
<td></td>
<td>5000 ft</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>15-Jul-10</td>
<td>G Braddock</td>
<td>Inventory</td>
<td>5000 ft</td>
<td>5000 ft</td>
<td>5000 ft</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>22-Jul-10</td>
<td>G Braddock</td>
<td>Inventory</td>
<td>5000 ft</td>
<td>5000 ft</td>
<td>5000 ft</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>3-Aug-10</td>
<td>G Braddock</td>
<td>Inventory</td>
<td>5000 ft</td>
<td>5000 ft</td>
<td>5000 ft</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>10-Aug-10</td>
<td>G Braddock</td>
<td>Inventory</td>
<td>5000 ft</td>
<td>5000 ft</td>
<td>5000 ft</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>19-Aug-10</td>
<td>G Braddock</td>
<td>Demo</td>
<td>200'</td>
<td>4500'</td>
<td>4500'</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>30-Sep-10</td>
<td>G Braddock</td>
<td>Demo 7-1</td>
<td>400'</td>
<td>3500'</td>
<td>3500'</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>13-Oct-10</td>
<td>G Braddock</td>
<td>Demo 7-1</td>
<td>400'</td>
<td>3500'</td>
<td>3500'</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>14-Oct-10</td>
<td>G Braddock</td>
<td>Demo 13-3</td>
<td>1000'</td>
<td>2500'</td>
<td>2500'</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>19-Oct-10</td>
<td>G Braddock</td>
<td>Demo 13-3</td>
<td>400'</td>
<td>2100'</td>
<td>2100'</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>20-Oct-10</td>
<td>G Braddock</td>
<td>Demo 13-3</td>
<td>400'</td>
<td>2100'</td>
<td>2100'</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>27-Oct-10</td>
<td>G Braddock</td>
<td>Demo 13-3</td>
<td>2100'</td>
<td>4100'</td>
<td>4100'</td>
<td>GLB, SH</td>
</tr>
<tr>
<td>9-Feb-10</td>
<td>G Braddock</td>
<td>Demo Final</td>
<td>2100'</td>
<td>1000'</td>
<td>0</td>
<td>GLB, SH</td>
</tr>
</tbody>
</table>

The signatures in each section of this document indicate that the items listed were in fact issued, expended, or returned to storage and that all quantities listed were verified through a physical count.
MDAS Destruction Certification
Mr. George Spencer  
USA Environmental, Inc.  
720 Brooker Creek Blvd, Suite 204  
Oldsmar, Florida 34677

Subject: Final Disposition/Destruct of Munitions Designated As Safe (MDAS) Received From USA Environmental, Inc. from Job Site Located at Camp Butner, NC. Purchase Order Number 770-6007.

Mr. Spencer,

Final disposition/destruct was performed on December 20, 2010 at the Chesapeake Metals Inc. facility located at 1207 School Street, Suite 5, Richmond VA, 23220. Destruct was performed using heat treatment, oxygen/propane torches and heating/cutting/melting of the metal with sufficient heat to burn or destroy any residual explosive material and render the material as unrecognizable as ordnance items. Four each 55 gallon drums of MDAS were received and destroyed as recognized by the following seal numbers:

Seal numbers: Drum # 1 – 254940  
Drum # 2 – 254941  
Drum # 3 – 254942  
Drum # 4 – 254943

Operation was performed by Mr. Albert Mitchell and Mr. Charles Brown and witnessed by a qualified Explosive Ordnance Disposal person and the CMI facilities director, Mr. Richard Collins.

Witness: [Signature]  
Certified by Mr. John J. Stine  
UXO Certification #539

Witness: [Signature]  
Verified by - Mr. Richard Collins  
CMI, Director/General Manager

Material is no longer considered as Munitions Debris and may be released for resale to general public.

Sincerely,

[Signature]  
Richard D. Collins  
Director/General Manager
CHAIN OF CUSTODY DOCUMENT
Site: CAMP BUTNER, NC

P.O/LOAD NUMBER: 270-6007  Client: USA ENVIRONMENTAL, INC.
ADDRESS: 720 BROOKER CREEK RD, STE 304, OLSANAR FL (ATTN: GEORGE SAWER)
PHONE #: (813) 343-6358
WEIGHT: 2534 lbs - drums

Description of scrap metal being shipped: (See attachment as requires)
MDAS - #1 (254940) #2 (254941) #3 (254942) #4 (254948) 4 EA. 55-gal drums

Certifications of scrap metal

"This certifies that the material listed has been 100% properly inspected or processed by approved means and to the best of our knowledge and belief, does not pose an explosive hazard and is safe for unrestricted transfer and release for recycling or disposal"

Name: Gerson Brady
Position: SUXOS

Signature
Date: 16 Dec 10

Name of trucking company of facility receiving load:

CMT

Drivers signature
Date: 12/16/16

Transferred:
Name and address of trucking company or facility receiving load:

CMT
1207 SCHOOL ST, RICHMOND, VA
Phone #: (804) 644-1901

RICHARD COLLINS
Print Name of person receiving this load
Signature
Date: 12/16/16

Transferred:
Name and address of trucking company or facility receiving load:

Signature
Date

Phone #:

Note: Upon completion of final destruct of above listed material (MDAS), a copy of this document will be returned to the client.
<table>
<thead>
<tr>
<th>Drum</th>
<th>Count</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>254930</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>254941</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>254942</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>254943</td>
</tr>
</tbody>
</table>

Contains: Munitions Debris consisting of Mixed Metals recovered at the Camp Hunter PLO site, Hunter, NY.

This certifies that the material listed has been HIP properly inspected and, to the best of our knowledge and belief, are free of explosive hazards, engine fluids, illuminating oils, and other volatile liquid E/W materials.

Date: 1/5/2010

Safaril Designee 76
U.S. Army Corps of Engineers
U.S. Army Engineering Center, Huntsville, AL

Army National Guard Camp Butner Training Site, Butner, NC

USA Environmental, Inc
Oldsmar, Florida 34677 (813) 343-6358

Container # 001  Seal #254940

Contents- Munitions Debris-Inert Scrap Metal EX Range Residues (non-explosive)-Ferrous Metals

Weight = 691 Lbs

SEE ATTACHED DD FORM 1348-1A
U.S. Army Corps of Engineers
U.S. Army Engineering Center, Huntsville, AL

Army National Guard Camp Butner Training Site, Butner, NC

USA Environmental, Inc
Oldsmar, Florida 34677 (813) 343-6358

Container # 002  Seal #254941

Contents- Munitions Debris-Inert Scrap Metal EX Range Residues (non-explosive)-Ferrous Metals

Weight = 788 Lbs

SEE ATTACHED DA FORM 1348-1A
U.S. Army Corps of Engineers  
U.S. Army Engineering Center, Huntsville, AL

Army National Guard Camp Butner Training Site, Butner, NC

USA Environmental, Inc  
Oldsmar, Florida 34677 (813) 343-6358

Container # 003  Seal #254942

Contents- Munitions Debris-Inert Scrap Metal EX Range Residues (non-explosive)-Ferrous Metals

Weight = 535 Lbs

SEE ATTACHED DD FORM 1348-1A
U.S. Army Corps of Engineers
U.S. Army Engineering Center, Huntsville, AL

Army National Guard Camp Butner Training Site, Butner, NC

USA Environmental, Inc
Oldsmar, Florida 34677 (813) 343-6358

Container # 004  Seal #254943

Contents- Munitions Debris-Inert Scrap Metal EX Range Residues (non-explosive)-Ferrous Metals

Weight = 520 Lbs

SEE ATTACHED OD Form 1348-1A
APPENDIX C. PHOTOGRAPHS

This appendix contains the following photographs of major activities and MEC discoveries during site operations at former Camp Butner, Butner, North Carolina:

Figure C-1: 60mm mortar found at Complex 1 Unit 12-4.......................................................... C-3
Figure C-2: 60mm mortar prepared for BIP, Complex 1 Unit 12-4 ........................................... C-3
Figure C-3: Results of 60mm BIP, Complex 1 Unit 12-4 .......................................................... C-4
Figure C-4: Results of 60mm BIP, Complex 1 Unit 12-4 .......................................................... C-4
Figure C-5: Mag & Dig using two different sensors ................................................................. C-5
Figure C-6: Bushhog operations .............................................................................................. C-5
Figure C-7: Vegetation removal at Complex 2 Unit 5-2 .......................................................... C-6
Figure C-8: Weedeater at work on Complex 2, Unit 5-2.......................................................... C-6
Figure C-9: Operation of White’s metal detector ................................................................. C-7
Figure C-10: Cultural Debris found during typical clearance .................................................. C-7
Figure C-11: Trash encountered during typical clearance ..................................................... C-8
Figure C-12: 2.36” rocket discovery at Complex 2 Unit 5-8 .................................................. C-8
Figure C-13: One of five 81mm mortars found at Complex 2 Unit 7-1 ...................................... C-9
Figure C-14: One of five 81mm mortars found at Complex 2 Unit 7-1 ...................................... C-9
Figure C-15: Placement of two 81mm mortars in blowhole for demolition ........................... C-10
Figure C-16: Sandbag barricade placed over 81mm mortars .................................................. C-10
Figure C-17: Close-up of demolition shot showing sandbag scatter ........................................ C-11
Figure C-18: Same demolition shot from firing line .............................................................. C-11
Figure C-19: Close-up of blowhole from mortar demo shot .................................................. C-12
Figure C-20: 155mm projectile at Complex 1 Unit 13-3.......................................................... C-12
Figure C-21: Demolition shape charges attached to 155mm projectile .................................. C-13
Figure C-22: Sandbag barricade over 155mm projectile ....................................................... C-13
Figure C-23: Intentional low-order detonation of 155mm projectile ..................................... C-14
Figure C-24: Low-ordered 155mm projectile ................................................................. C-14
Figure C-25: Demolition clean-up shot of 155mm projectile ........................................ C-15
Figure C-26: Blowhole after clean-up shot of 155mm projectile ..................................... C-15
Figure C-27: USACE Safety Specialist clearing shot hole after detonation ..................... C-16
Figure C-28: RAB meeting conducted on 28 October 2010 ......................................... C-16
Figure C-29: Clearing flags at Complex 1 Unit 13-1 ......................................................... C-17
Figure C-30: MKII hand grenade (with pin intact) found at Area 4C-9 ......................... C-17

This space is intentionally left blank.
Figure C-1: 60mm mortar found at Complex 1 Unit 12-4

Figure C-2: 60mm mortar prepared for BIP, Complex 1 Unit 12-4
Figure C-3: Results of 60mm BIP, Complex 1 Unit 12-4

Figure C-4: Results of 60mm BIP, Complex 1 Unit 12-4
Figure C-5: Mag & Dig using two different sensors

Figure C-6: Bushhog operations
Figure C-7: Vegetation removal at Complex 2 Unit 5-2

Figure C-8: Weedeater at work on Complex 2, Unit 5-2
Figure C-9: Operation of White’s metal detector

Figure C-10: Cultural Debris found during typical clearance
Figure C-11: Trash encountered during typical clearance

Figure C-12: 2.36” rocket discovery at Complex 2 Unit 5-8
Figure C-13: One of five 81mm mortars found at Complex 2 Unit 7-1

Figure C-14: One of five 81mm mortars found at Complex 2 Unit 7-1
Figure C-15: Placement of two 81mm mortars in blowhole for demolition

Figure C-16: Sandbag barricade placed over 81mm mortars
Figure C-17: Close-up of demolition shot showing sandbag scatter

Figure C-18: Same demolition shot from firing line
Figure C-19: Close-up of blowhole from mortar demo shot

Figure C-20: 155mm projectile at Complex 1 Unit 13-3
Figure C-21: Demolition shape charges attached to 155mm projectile

Figure C-22: Sandbag barricade over 155mm projectile
Figure C-23: Intentional low-order detonation of 155mm projectile

Figure C-24: Low-ordered 155mm projectile
Figure C-25: Demolition clean-up shot of 155mm projectile

Figure C-26: Blowhole after clean-up shot of 155mm projectile
Figure C-27: USACE Safety Specialist clearing shot hole after detonation

Figure C-28: RAB meeting conducted on 28 October 2010
Figure C-29: Clearing flags at Complex 1 Unit 13-1

Figure C-30: MKII hand grenade (with pin intact) found at Area 4C-9
APPENDIX D.  MAPS

This appendix contains the following maps for the Butner sites:

D-1  Location Map
D-2  Status Map for 2010
D-2A Status Map for all Work
D-3  Area 4 Range Complex 1 Unit 10-6 – Washington
D-4  Area 4 Range Complex 1 Unit 10-7 – Mikels
D-5  Area 4 Range Complex 1 Unit 10-8 -- Carrigan
D-6  Area 4 Range Complex 1 Unit 10-9 -- Cope
D-7  Area 4 Range Complex 1 Unit 10-10 -- Dixon
D-8  Area 4 Range Complex 1 Unit 11-1 – Cope
D-9  Area 4 Range Complex 1 Unit 11-2 – Schmidt
D-10 Area 4 Range Complex 1 Unit 11-3 -- Arrington
D-11 Area 4 Range Complex 1 Unit 11-4 – Marin-Quintero
D-12 Area 4 Range Complex 1 Unit 11-5 – Gibson
D-13 Area 4 Range Complex 1 Unit 11-6 – Brelinsky
D-14 Area 4 Range Complex 1 Unit 11-7 – Waldron
D-15 Area 4 Range Complex 1 Unit 11-8 – Waters
D-16 Area 4 Range Complex 1 Unit 11-9 – Beckwith
D-17 Area 4 Range Complex 1 Unit 11-10 – Boone
D-18 Area 4 Range Complex 1 Unit 12-1 – Watkins
D-19 Area 4 Range Complex 1 Unit 12-2 – Ray
D-20 Area 4 Range Complex 1 Unit 12-3 – Hendon
D-21 Area 4 Range Complex 1 Unit 12-4 – McFarland
D-22 Area 4 Range Complex 1 Unit 12-5 – Barrett
D-23 Area 4 Range Complex 1 Unit 12-6 – Elmore
D-24 Area 4 Range Complex 1 Unit 12-7 – Watkins
D-25 Area 4 Range Complex 1 Unit 12-8 – Hansley
D-26 Area 4 Range Complex 1 Unit 12-9 – Gillis
D-27 Area 4 Range Complex 1 Unit 12-10 – Overby
D-28 Area 4 Range Complex 1 Unit 13-1 – Schmidt
D-29 Area 4 Range Complex 1 Unit 13-2 – Seaford
D-30 Area 4 Range Complex 1 Unit 13-3 – Dearborn
D-31 Area 4 Range Complex 1 Unit 13-4 – Hester
D-32 Area 4 Range Complex 1 Unit 13-5 – Glover
D-33 Area 4 Range Complex 1 Unit 13-6 – Hilton
D-34 Area 4 Range Complex 1 Unit 13-7 – Scoggins
D-35 Area 4 Range Complex 1 Unit 13-8 – Hemig
D-36 Area 4 Range Complex 1 Unit 13-9 – Mangum
D-37 Area 4 Range Complex 1 Unit 13-10 – Daniels
D-38 Area 4 Range Complex 1 Unit 14-1 – Bass
D-39 Area 4 Range Complex 1 Unit 14-2 – Campbell
D-40  Area 4 Range Complex 1 Unit 14-3 – Perunko
D-41  Area 4 Range Complex 1 Unit 14-4 – Hoppenworth
D-42  Area 4 Range Complex 1 Unit 14-5 – Jackson
D-43  Area 4 Range Complex 1 Unit 14-6 – Norris
D-44  Area 4 Range Complex 1 Unit 14-7 – Peebles
D-45  Area 4 Range Complex 1 Unit 14-8 – Corbin
D-46  Area 4 Range Complex 1 Unit 14-9 – Jones
D-47  Area 4 Range Complex 1 Unit 14-10 – Jones
D-48  Area 4 Range Complex 2 Unit 4-1 – Daniel
D-49  Area 4 Range Complex 2 Unit 4-2 – Hicks
D-50  Area 4 Range Complex 2 Unit 4-3 – Baczek
D-51  Area 4 Range Complex 2 Unit 4-4 – Tarlton
D-52  Area 4 Range Complex 2 Unit 4-5 – Mazlak
D-53  Area 4 Range Complex 2 Unit 4-6 – Winstead
D-54  Area 4 Range Complex 2 Unit 4-7 – Harris, Richard
D-55  Area 4 Range Complex 2 Unit 4-8 – Harris, Elsie
D-56  Area 4 Range Complex 2 Unit 4-9 – Harris, George
D-57  Area 4 Range Complex 2 Unit 4-10 – Harris, George
D-58  Area 4 Range Complex 2 Unit 5-1 – Harrison
D-59  Area 4 Range Complex 2 Unit 5-2 – Harris
D-60  Area 4 Range Complex 2 Unit 5-3 – Carl Mangum
D-61  Area 4 Range Complex 2 Unit 5-4 – Bill Mangum
D-62  Area 4 Range Complex 2 Unit 5-5 – White
D-63  Area 4 Range Complex 2 Unit 5-6 – Newsome
D-64  Area 4 Range Complex 2 Unit 5-7 – Nancy Mangum
D-65  Area 4 Range Complex 2 Unit 5-8 – Adcock
D-66  Area 4 Range Complex 2 Unit 5-9 – Morris
D-67  Area 4 Range Complex 2 Unit 5-10 – Nancy Mangum
D-68  Area 4 Range Complex 2 Unit 6-1 – Baskett
D-69  Area 4 Range Complex 2 Unit 6-2 – Brogden
D-70  Area 4 Range Complex 2 Unit 6-3 – McKnight
D-71  Area 4 Range Complex 2 Unit 6-4 – Miller
D-72  Area 4 Range Complex 2 Unit 6-5 – Harding
D-73  Area 4 Range Complex 2 Unit 6-6 – Beard
D-74  Area 4 Range Complex 2 Unit 6-7 – Sandifer
D-75  Area 4 Range Complex 2 Unit 6-8 – Black
D-76  Area 4 Range Complex 2 Unit 6-9 – Wilkerson
D-77  Area 4 Range Complex 2 Unit 6-10 – Day
D-78  Area 4 Range Complex 2 Unit 7-1 – John Mangum
D-79  Area 4 Range Complex 2 Unit 7-2 – Day
D-80  Area 4 Range Complex 2 Unit 7-3 – Hilliard
D-81  Area 4 Range Complex 2 Unit 7-4 – Piper
D-82  Area 4 Range Complex 2 Unit 7-5 – Adcock
D-83  Area 4 Range Complex 2 Unit 7-6 – Swift
D-84  Area 4 Range Complex 2 Unit 7-7 – Gregory  
D-85  Area 4 Range Complex 2 Unit 7-8 – Wilson  
D-86  Area 4 Range Complex 2 Unit 7-9 – Williams  
D-87  Area 4 Range Complex 2 Unit 7-10 – Peace  
D-88  Area 4 Range Complex 2 Unit 8-1 – Jeffries  
D-89  Area 4 Range Complex 2 Unit 8-2 – Holcomb  
D-90  Area 4 Range Complex 2 Unit 8-3 – Braxton  
D-91  Area 4 Range Complex 2 Unit 8-4 – Thomas  
D-92  Area 4 Range Complex 2 Unit 8-5 -- Cannady  
D-93  Area 4 Range Complex 2 Unit 8-6 – Filler  
D-94  Area 4 Range Complex 2 Unit 8-7 – Logan  
D-95  Area 4 Range Complex 1 Unit 8-8 – Hudnall  
D-96  Area 4 Range Complex 1 Unit 8-9 – French  
D-97  Area 4 Range Complex 1 Unit 8-10 – Wade  
D-98  Area 4C Unit 9 – Blalock  
D-99  Area 4C Unit 10 – Glosson

This space is intentionally left blank.
Figure D-03
Area 4 Clearance Areas
Unit 10-6
Tom Washington Jr.
1093 Bourbon Street
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.

US Army Engineering And Support Center

Drawn By:  SPC  Scale:  1 inch = 14 meters  Rev:
Checked By:  RN  Date Drawn:  12-14-2010
Submitted By:  RN  Plot Date:

Path:  c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1093 Bourbon Street
RN
12-14-2010
Figure D-04
Area 4 Clearance Areas
Unit 10-7
Brandon Mikels
1091 Bourbon Street
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Former Camp Butner, NC
Area 4 Clearance Areas
Unit 10-7
Brandon Mikels
1091 Bourbon Street

Scale: 1 inch = 14 meters
Date Drawn: 12-14-2010

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-05
Area 4 Clearance Areas
Unit 10-8
Phillip & Valerie Carrigan
1089 Bourbon Street
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

US Army Engineering And Support Center
Figure D-06
Area 4 Clearance Areas
Unit 10-9
Teresa Cope
1090 Bourbon Street
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.
US Army Engineering And Support Center

Drawn By: SPC
Checked By:
Submitted By: RN
Path: c:\projects\butner\Area 4 Clearance Map.mxd

Scale: 1 inch = 14 meters
Date Drawn: 12-14-2010

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.
Figure D-07
Area 4 Clearance Areas
Unit 10-10
Ron Dixon
1088 Bourbon Street
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Former Camp Butner, NC
Area 4 Clearance Areas
Unit 10-10
Ron Dixon
1088 Bourbon Street

1 inch = 14 meters

14 0 147
Meters
Figure D-08
Area 4 Clearance Areas
Unit 11-1
Creg & Rose Tunstall
1044 Enon Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 16 meters

USA
Environmental, Inc.
US Army Engineering
And Support Center

Drawn By: SPC
Scale: 1 inch = 16 meters

Checked By:

Date Drawn: 12-15-2010

Submitted By: RN

Path: c:/projects/butner/Area 4 Clearance Map.mxd
Figure D-09
Area 4 Clearance Areas

Unit 11-2
Alan Schmidt
1114 Robert Chapel Rd.

Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

12-16-2010

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-10
Area 4 Clearance Areas
Unit 11-3
Mike Arrington
1086 Robert Chapel Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

US Army Engineering And Support Center

Path:
c:/projects/butner/Area 4 Clearance Map.mxd
Figure D-11
Area 4 Clearance Areas
Unit 11-4
Juan Marin-Quintero
1082 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Former Camp Butner, NC

USA Environmental, Inc.

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-12
Area 4 Clearance Areas
Unit 11-5
Roger Gibson
1078 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System: Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-13
Area 4 Clearance Areas
Unit 11-6
Michael & Cheryl Brelinsky
1074 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Former Camp Butner, NC

Unit 11-6
1.024 ac.
0.042 ac.

1 inch = 14 meters

12-20-2010

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-14
Area 4 Clearance Areas
Unit 11-7
George Waldron
1072 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.

US Army Engineering And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN

Scale: 1 inch = 14 meters
Date Drawn: 12-20-2010
Plot Date:

Path: c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 11-8
0.962 ac.

0.088 ac.

0.002 ac.

Former Camp Butner, NC

Figure D-15
Area 4 Clearance Areas
Unit 11-8
Joseph Waters
1068 Wildlife Dr.

1 inch = 14 meters

12-20-2010

C:\projects\butner\Area 4 Clearance Map.mxd
Figure D-17

Area 4 Clearance Areas

Unit 11-10
Bobby & Sallie Boone
1062 Wildlife Dr.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Former Camp Butner, NC

Drawn By: SPC
Checked By: RN
Submitted By: RN

Path: c:\projects\butner\Area 4 Clearance Map.mxd

US Army Engineering And Support Center
Figure D-18
Area 4 Clearance Areas
Unit 12-1
Robbie Christopher Watkins
1065 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-19
Area 4 Clearance Areas
Unit 12-2
Johnny & Penny Ray
1067 Wildlife Dr.
Former Camp Butner, NC

Legend

Roads
Area 4 Houses
Area 4 Uncleared Areas
Land Parcels
Area 4 Boundary

1 inch = 14 meters

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Data is projected to the UTM Coordinate System: Zone 17, NAD83, Units in Meters.

Figure D-20
Area 4 Clearance Areas
Unit 12-3
Teresa Hendon
1061 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 12-3
1.38 ac.

1 inch = 14 meters

12/16/2010
Figure D-21
Area 4 Clearance Areas

Unit 12-4

Stewart & Joanne McFarland
1071 Wildlife Dr.
Former Camp Butner, NC

Legend

- MEC Items
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 11 meters

12/16/2010
2/25/2011

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-22
Area 4 Clearance Areas
Unit 12-5
Chris Barrett
1086 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Former Camp Butner, NC
Figure D-23
Area 4 Clearance Areas

Unit 12-6
Belinda Elmore
1077 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 16 meters

12/16/2010
2/25/2011
Figure D-24
Area 4 Clearance Areas
Unit 12-7
Mike & Trish Watkins
1064 Wildlife Dr.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Path: c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters
Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Figure D-25
Area 4 Clearance Areas

Unit 12-8
Billy & Pamela Hansley
1081 Wild Briar Ln.
Former Camp Butner, NC

USA
US Army Engineering
And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN
Date Drawn: 12-20-2010

1 inch = 14 meters

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Former Camp Butner, NC
Figure D-26
Area 4 Clearance Areas
Unit 12-9
Jeffery & Pamela Gillis
1080 Wild Briar Ln.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 18 meters

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-27
Area 4 Clearance Areas
Unit 12-10
Randy & Linda Overby
3542 Saddle Ridge Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

1 inch = 14 meters

Former Camp Butner, NC
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Figure D-28
Area 4 Clearance Areas
Unit 13-1
Alan Schmidt
1094 Roberts Chapel Rd.
Former Camp Butner, NC

US Army Engineering And Support Center
1-07-2011

1 inch = 14 meters

C:\projects\butner\Area 4 Clearance Map.mxd
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Figure D-29
Area 4 Clearance Areas
Unit 13-2
Stacy Seaford
176 Enon Rd.
Former Camp Butner, NC

1 inch = 14 meters
1-07-2011
Figure D-30
Area 4 Clearance Areas
Unit 13-3
Julia Dearborn
4109 Blue Mountain Rd.
Former Camp Butner, NC

Legend
- MEC Items
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.
US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 28 meters

4109 Blue Mountain Rd.
Figure D-30
Area 4 Clearance Areas
Unit 13-3
Julia Dearborn
4109 Blue Mountain Rd.
Former Camp Butner, NC

Legend
- MEC Items
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.
US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 28 meters

4109 Blue Mountain Rd.
Figure D-30
Area 4 Clearance Areas
Unit 13-3
Julia Dearborn
4109 Blue Mountain Rd.
Former Camp Butner, NC

Legend
- MEC Items
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.
US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 28 meters

4109 Blue Mountain Rd.
Figure D-32

Area 4 Clearance Areas

Unit 13-5
Lonnie & Chris Glover
1026 Enon Rd.

Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Rev.

US Army Engineering And Support Center

Drawn By: SPC  Scale: 1 inch = 14 meters  Date Drawn: 1-10-2011
Checked By:  Plot Date: RN
Submitted By:  Path: c:\projects\butner\Area 4 Clearance Map.mxd
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Figure D-33
Area 4 Clearance Areas
Unit 13-6
Alton Hilton
1112 Enon Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA
Environmental, Inc.

US Army Engineering
And Support Center

Drawn By: SPC
Scale: 1 inch = 20 meters
Rev: 

Checked By: RN
Date Drawn: 1-10-2011

Submitted By: RN
Plot Date: 

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-34

Area 4 Clearance Areas

Unit 13-7
Brad & Kim Scoggins
4149 Crown Oaks Dr.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 16 meters
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Figure D-35
Area 4 Clearance Areas
Unit 13-8
Steven & Gina Hemig
4144 Blue Creek Lane
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 13-8
4.076 ac.

1 inch = 20 meters

US Army Engineering
And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN

Path: c:/projects/butner/
Area 4 Clearance Map.mxd

1-10-2011
Figure D-36
Area 4 Clearance Areas
Unit 13-9
Bill Mangum
8412 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

US Army Engineering And Support Center

Drawn By: SPC  Scale: 1 inch = 14 meters  Rev:
Checked By:  Date Drawn: 1-10-2011
Submitted By: RN  Plot Date:
Path: c:/projects/butner/ Area 4 Clearance Map.mxd
Figure D-37
Area 4 Clearance Areas
Unit 13-10
Ronald & Pamela Daniels
1000 Fate Washington Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA
Environmental, Inc.
US Army Engineering And Support Center

Drawn By: SPC  Scale: 1 inch = 16 meters  Rev:
Checked By:  Date Drawn: 1-10-2011
Submitted By: RN  Plot Date:
Path: c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary
Figure D-38
Area 4 Clearance Areas
Unit 14-1
James & Susan Bass
1119 Bowling Mountain Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 16 meters
Figure D-39
Area 4 Clearance Areas
Unit 14-2
Claude & Barbara Campbell
1133 Bowling Mountain Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 14-2
1.932 ac.

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Path: c:\projects\butner\Area 4 Clearance Map.mxd

USA Environmental, Inc. US Army Engineering And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN

Rev.
Date Drawn: 1-10-2011
Plot Date:
Figure D-40
Area 4 Clearance Areas
Unit 14-3
Robert & Carol Perunko
4093 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Path: c:/projects/butner/
Area 4 Clearance Map.mxd
Figure D-41
Area 4 Clearance Areas

Unit 14-4
Richard Hoppenworth
1002 Fate Washington Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 26 meters

US Army Engineering
And Support Center

Path:
c:/projects/butner/
Area 4 Clearance Map.mxd
Figure D-42
Area 4 Clearance Areas
Unit 14-5
Tammy Jackson
1102 Fate Washington Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA
Environmental, Inc.

US Army Engineering
And Support Center

Drawn By: SPC
Checked By: Date Drawn: 1-10-2011
Submitted By: RN

Path: c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.
Figure D-43
Area 4 Clearance Areas
Unit 14-6
Susan Norris
1072 Fate Washington Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

1072 Fate Washington Rd.
1-10-2011
Figure D-44
Area 4 Clearance
Areas

Unit 14-7
Stacy Peebles
1084 Fate Washington Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Path: c:/projects/butner/
Area 4 Clearance Map.mxd
Figure D-45
Area 4 Clearance Areas
Unit 14-8
Charles Corbin
1096 Fate Washington Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA
Environmental, Inc.

US Army Engineering And Support Center

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

1096 Fate Washington Rd.
Figure D-46
Area 4 Clearance Areas
Unit 14-9
Cherie Jones
4139 Blue Mountain Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

1-10-2011
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Figure D-47
Area 4 Clearance Areas
Unit 14-10
Cherie Jones
4139-A Blue Mountain Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

1 inch = 14 meters

US Army Engineering
And Support Center

USA Environmental, Inc.
Data is projected to the UTM Coordinate System: Zone 17, NAD83, Units in Meters.

Legend

- Roads
- Area 4 Houses
- Area 4 uncleared Areas
- Land Parcels
- Area 4 Boundary

US Army Engineering And Support Center

Former Camp Butner, NC

Figure D-49
Area 4 Clearance Areas
Unit 4-2
Raymond Hicks
193 Enon Rd.

Unit 4-2
3.184 ac.
Figure D-50
Area 4 Clearance Areas
Unit 4-3
Robert Baczek
1041 Enon Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

1-05-2011
Figure D-51
Area 4 Clearance Areas
Unit 4-4
Ronald & Lisa Tarlton
1043 Enon Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 4-4
1.819 ac.

0.1 ac.

0.004 ac.

0.002 ac.

0.001 ac.

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

1-05-2011

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-52
Area 4 Clearance Areas
Unit 4-5
Denise Mazlak
1049 Enon Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.
1 inch = 14 meters

Path: c:\projects\butner\Area 4 Clearance Map.mxd

USA Environmental, Inc.
US Army Engineering And Support Center

Drawn By: SPC
Scale: 1 inch = 14 meters
Rev:

Checked By: RN
Date Drawn: 1-05-2011

Submitted By: RN
Plot Date:
Figure D-53
Area 4 Clearance Areas
Unit 4-6
Marjorie Winstead
1319 Berea Rd.
Former Camp Butner, NC

Legend

Roads
Area 4 Houses
Area 4 Uncleared Areas
Land Parcels
Area 4 Boundary

0.723 ac.
0.038 ac.
0.016 ac.
0.003 ac.
0.001 ac.

Former Camp Butner, NC
Area 4 Clearance Areas

1 inch = 14 meters

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Data is projected to the UTM Coordinate System: Zone 17, NAD83, Units in Meters.

Figure D-54
Area 4 Clearance Areas
Unit 4-7
Richard Harris
11158 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

1 inch = 17 meters

Former Camp Butner, NC
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Figure D-56
Area 4 Clearance Areas
Unit 4-9
George & Maggie Harris
11014 Range Rd.
Former Camp Butner, NC

1 inch = 14 meters

Path:
c:/projects/butner/
Area 4 Clearance Map.mxd
Figure D-57
Area 4 Clearance Areas
Unit 4-10
George & Maggie Harris
90 George Harris Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Scale: 1 inch = 14 meters

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Figure D-58
Area 4 Clearance Areas
Unit 5-1
Hal Harrison
501 Enon Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

1 inch = 20 meters

1-13-2011
Figure D-59
Area 4 Clearance Areas
Unit 5-2
Elsie Harris
88 George Harris Rd.
Former Camp Butner, NC

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 5-2
2.046 ac.

1 inch = 14 meters

US Army Engineering
And Support Center

Path:
c:/projects/butner/
Area 4 Clearance Map.mxd
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Figure D-60
Area 4 Clearance Areas
Unit 5-3
Carl Mangum
267 George Harris Rd.
Former Camp Butner, NC

1 inch = 14 meters

USA Environmental, Inc.
US Army Engineering And Support Center

Path: c:\projects\butner\Area 4 Clearance Map.mxd

Drawn By: SPC
Checked By: RN
Submitted By: RN

Scale: 1 inch = 14 meters
Date Drawn: 1-13-2011
Plot Date: 1-13-2011
Rev:
Data is projected to the UTM Coordinate System: Zone 17, NAD83, Units in Meters.

Figure D-61
Area 4 Clearance Areas
Unit 5-4
Bill & Linda Mangum
347 Bethany Church Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Scale:
1 inch = 14 meters

Date Drawn: 1-13-2011
Plot Date:

Path:
c:/projects/butner/
Area 4 Clearance Map.mxd
Area 4 Clearance Areas
Unit 5-5
Finnie White Jr.
4669 Range Rd.
Former Camp Butner, NC

Figure D-62

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

USA
Environmental, Inc.

US Army Engineering
And Support Center

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-63
Area 4 Clearance Areas
Unit 5-6
Freddie & Alice Newsome
1741 Berea Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

3.336 ac.

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 22 meters

Path: c:\projects\butner\Area 4 Clearance Map.mxd

USA Engineering, Inc.
US Army Engineering And Support Center

Drawn By: SPC  Scale: 1 inch = 22 meters
Checked By:  Date Drawn: 1-13-2011
Submitted By: RN  Plot Date:
Figure D-64
Area 4 Clearance Areas
Unit 5-7
Nancy Mangum
1715A Berea Rd.
Former Camp Butner, NC

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.
US Army Engineering
And Support Center

Drawn By: SPC
Scale: 1 inch = 18 meters

Checked By: RN
Date Drawn: 1-13-2011

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Data is projected to the UTM Coordinate System: Zone 17, NAD83, Units in Meters.

Legend
- MEC Items
- Roads
- Area 4 Houses
- Area 4 Undeared Areas
- Land Parcels
- Area 4 Boundary

Figure D-65
Area 4 Clearance Areas
Unit 5-8
Christopher & Tammy Adcock
1077 Enon Rd.
Former Camp Butner, NC

USA
Environmental, Inc.

US Army Engineering And Support Center

Path: c:\projects\butner\Area 4 Clearance Map.mxd

Illustration:
- Unit 5-8
- 2.005 ac.
Figure D-66
Area 4 Clearance
Areas
Unit 5-9
Jerry Morris
531 Berea Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 5-9
1.39 ac.

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Former Camp Butner, NC
Area 4 Clearance Map.mxd

US Army Engineering
And Support Center
Figure D-67
Area 4 Clearance Areas
Unit 5-10
Nancy Mangum
1715B Berea Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 18 meters

Former Camp Butner, NC
1715B Berea Rd.
1-13-2011
RN

Path:
c:/projects/butner/
Area 4 Clearance Map.mxd
Figure D-68
Area 4 Clearance Areas
Unit 6-1
Andre Baskett
5067 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Scale: 1 inch = 16 meters
Date Drawn: 1-14-2011
Plot Date:

Path: c:/projects/butner/ Area 4 Clearance Map.mxd
Figure D-69
Area 4 Clearance Areas
Unit 6-2
Lisa Brogden
5071 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 6-2
1.51 ac.

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

US Army Engineering
And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN
Path:
c:/projects/butner/
Area 4 Clearance Map.mxd

1 inch = 16 meters
5071 Range Rd.
1-14-2011
Figure D-70
Area 4 Clearance Areas
Unit 6-3
Tim McKnight
5073 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 16 meters

1-14-2011

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-71
Area 4 Clearance Areas
Unit 6-4
Keith Miller
5075 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 6-4
1.383 ac.

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Figure D-72
Area 4 Clearance Areas
Unit 6-5
Victoria Harding
5079 Range Rd.
Former Camp Butner, NC

1 inch = 14 meters

USA
Environmental, Inc.
US Army Engineering And Support Center

Drawn By: SPC
Date Drawn: 1-18-2011

Checked By:

Submitted By: RN
Plot Date:

Path:
c:/projects/butner/
Area 4 Clearance Map.mxd
Figure D-73
Area 4 Clearance Areas

Unit 6-6
William Beard
5087 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-74
Area 4 Clearance Areas
Unit 6-7
Michael Sandifer
5097 Range Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 6-7
1.997 ac.

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters
1-18-2011

Path: c:\projects\butner\Area 4 Clearance Map.mxd

US Army Engineering And Support Center

USA Environmental, Inc.
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Figure D-75
Area 4 Clearance Areas
Unit 6-8
William & Annie Black
5201 Range Rd.
Former Camp Butner, NC

USA
US Army Engineering And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN
Date Drawn: 1-18-2011
Plot Date: 1-18-2011

Path: c:/projects/butner/
Area 4 Clearance Map.mxd
Figure D-76
Area 4 Clearance Areas
Unit 6-9
Archie Wilkerson
5203 Range Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17N, NAD83, Units in Meters.

1 inch = 14 meters

Former Camp Butner, NC
Area 4 Clearance
Areas
Unit 6-9
Archie Wilkerson
5203 Range Rd.

USA Environmental, Inc.
US Army Engineering And Support Center

Path:
c:/projects/butner/
Area 4 Clearance Map.mxd
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend

Roads
Area 4 Houses
Area 4 Uncleared Areas
Land Parcels
Area 4 Boundary

Figure D-77
Area 4 Clearance Areas
Unit 6-10
Iris Ann Day
580 A&W Bowling Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA
Environmental, Inc.
US Army Engineering
And Support Center

Drawn By: SPC  Scale: 1 inch = 14 meters  Rev:
Checked By: Date Drawn: 1-19-2011
Submitted By: RN  Plot Date:
Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-78

Area 4 Clearance Areas

Unit 7-1

John Mangum

655 Bethany Church Rd.

Former Camp Butner, NC

Legend

- MEC Items
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 7-1
2,096 ac.

1 inch = 14 meters

Former Camp Butner, NC

Area 4 Clearance

Areas

US Army Engineering And Support Center

USA

Environmental, Inc.

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

14 7 0 14
Meters

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.

US Army Engineering And Support Center

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1 inch = 14 meters

Area 4 Clearance

Areas

John Mangum

655 Bethany Church Rd.
Figure D-80
Area 4 Clearance Areas
Unit 7-3
Donnie Hilliard
4536 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 7-3
1.859 ac.

US Army Engineering And Support Center

USA Environmental, Inc.
Figure D-81
Area 4 Clearance Areas
Unit 7-4
Amy Piper
5447 Range Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-82
Area 4 Clearance Areas
Unit 7-5
Ben Adcock
1119 Enon Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

1 inch = 14 meters

USA Environmental, Inc.

US Army Engineering And Support Center

Drawn By: SPC
Scale: 1 inch = 14 meters
Rev.

Checked By: 
Date Drawn: 1-19-2011

Submitted By: RN
Plot Date:

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-83
Area 4 Clearance Areas
Unit 7-6
Rachel Swift
4532 Sugar Maple Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.

US Army Engineering And Support Center

Drawn By: SPC
Scale: 1 inch = 16 meters
Rev:
Checked By:
Date Drawn: 1-19-2011
Submitted By: RN
Plot Date:

Path: c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.
Figure D-84
Area 4 Clearance Areas
Unit 7-7
Kenny & Barbara Gregory
4539 Sugar Maple Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Unit 7-7
1.21 ac.
Figure D-85
Area 4 Clearance Areas
Unit 7-8
Tammy Wilson
4559 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Scale:
1 inch = 16 meters

Date Drawn:
1-19-2011

Path:
c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-86
Area 4 Clearance Areas
Unit 7-9
William Williams
4528 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Former Camp Butner, NC
Figure D-87
Area 4 Clearance Areas
Unit 7-10
Robert & Sara Peace
4551 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 16 meters

USA
Environmental, Inc.

US Army Engineering And Support Center

Drawn By: SPC
Scale: 1 inch = 16 meters

Checked By: RN
Date Drawn: 1-19-2011

Submitted By: RN
Plot Date:

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-88
Area 4 Clearance Areas
Unit 8-1
Lisa Jeffries
4575 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Scale: 1 inch = 14 meters
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Former Camp Butner, NC
Area 4 Clearance
Areas
Unit 8-1
Lisa Jeffries
4575 Sugar Maple Rd.
Former Camp Butner, NC
Figure D-89
Area 4 Clearance Areas
Unit 8-2
Steve Holcomb
4533 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Steve Holcomb
1-19-2011
Figure D-90
Area 4 Clearance
Areas
Unit 8-3
Waithera Braxton
4540 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

DATA IS PROJECTED TO THE UTM COORDINATE SYSTEM:
ZONE 17, NAD83, UNITS IN METERS.
Figure D-91
Area 4 Clearance Areas
Unit 8-4
Wade Thomas
4547 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA
Environmental, Inc.
US Army Engineering And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN
Scale: 1 inch = 16 meters
Path: c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 16 meters
Figure D-92
Area 4 Clearance Areas
Unit 8-5
Terry Cannady
4543 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

United States Army Engineering And Support Center

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-93
Area 4 Clearance Areas
Unit 8-6
Thomas & Tina Filler
4555 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

USA Environmental, Inc.
US Army Engineering And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN

Scale: 1 inch = 18 meters
Date Drawn: 1-19-2011
Plot Date: 

Path: c:\projects\butner\Area 4 Clearance Map.mxd
Figure D-94
Area 4 Clearance Areas
Unit 8-7
Steven Logan
4571 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

Former Camp Butner, NC
Area 4 Clearance Areas
Unit 8-7
Steven Logan
4571 Sugar Maple Rd.
Figure D-95
Area 4 Clearance Areas
Unit 8-8
Robert Hudnall
4567 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Unit 8-8
1.156 ac.

USA
Environmental, Inc.

US Army Engineering
And Support Center

Drawn By: SPC
Scale: 1 inch = 14 meters
Rev: RN

Checked By:
Date Drawn: 1-19-2011

Submitted By:
Plot Date:

Path:
c:\projects\butner\Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters
Figure D-96
Area 4 Clearance Areas
Unit 8-9
Robin French
4535 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1 inch = 14 meters

14 0 147 Meters

Former Camp Butner, NC

USA
Environmental, Inc.

US Army Engineering And Support Center

Drawn By: SPC
Checked By: RN
Submitted By: RN
Path:
c:\projects\butner\Area 4 Clearance Map.mxd

1-19-2011
Figure D-97
Area 4 Clearance Areas
Unit 8-10
Scott & Stacey Wade
4579 Sugar Maple Rd.
Former Camp Butner, NC

Legend
- Roads
- Area 4 Houses
- Area 4 Uncleared Areas
- Land Parcels
- Area 4 Boundary

1 inch = 14 meters

USA Environmental, Inc.
US Army Engineering And Support Center

Drawn By: SPC Scale: 1 inch = 14 meters Rev:
Checked By: Date Drawn: 1-19-2011
Submitted By: RN Plot Date:

Path: c:/projects/butner/ Area 4 Clearance Map.mxd

Data is projected to the UTM Coordinate System: Zone 17, NAD83, Units in Meters.
Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

Legend

MEC (DMM)
Roads
Area 4C Clearance Areas
Land Parcels
Area 4C Boundary

Former Camp Butner, NC

Wyatt & Amy Blalock
4578 Uzzle Rd.

Figure D-98
Area 4C Clearance Areas
Unit 4C-9

1 " = 14 m
1-19-2011
2-25-2011

Path:
c:\projects\butner\Area 4C Site Map.mxd
Figure D-99
Area 4C Clearance Areas
Unit 4C-10
Dan & Christy Glosson
4573 Uzzle Rd.
Former Camp Butner, NC

Legend

- Roads
- Area 4C Clearance Areas
- Area 4C Uncleared Areas
- Land Parcels
- Area 4C Boundary

Data is projected to the UTM Coordinate System:
Zone 17, NAD83, Units in Meters.

1" = 16 m
1-19-2011

Path:
c:/projects/butner/
Area 4C Site Map.mxd
APPENDIX E

E.0 QUALITY CONTROL/QUALITY ASSURANCE DOCUMENTATION

This appendix contains the following QC/QA documentation:

- CEHNC Forms 948
- Blind Seed Item Log (on CD)
- QC Daily Inspection Forms for MEC Operations (on CD)
- QC Weekly Reports (on CD)
- QC Daily Grid Inspection Forms (on CD)
TO: USA Environmental  
DATE: 7-20-10  
TIME: 1500

CONTRACT NUMBER: W912DY-04-D-0006  
PROJECT LOCATION: CAMP BUTNER, NC

DO #: 0007

SUBJECT ITEM(S)  
(Enter the following text under SUBJET ITEM(S):)

- Work Plan
- Safety Violation
- Safety Comments

(Check all that apply):
- Quality Control
- Other

DESCRIPTION: The following properties have passed a government QA inspection:
1083 Bourbon St (UNIT 10-6); 1091 Bourbon St (UNIT 10-7); 1089 Bourbon St (UNIT 10-8); 1090 Bourbon St (UNIT 10-9); 1088 Bourbon St (UNIT 10-10).

- NOTHING FOLLOWS -

Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised)  
COPY 1 – Contractor's Representative

1 APR 96
MEMO

TO: USA Environmental

DATE: 7-27-10
TIME: 1600

CONTRACT NUMBER: W912DY-04-D-0006
PROJECT LOCATION:

DO #: 0007
PROJECT LOCATION: Camp Butner, NC

SUBJECT ITEM(S) (Check all that apply):

- Work Plan
- Safety Violation
- Safety Comments
- Quality Control
- Other

DESCRIPTION: The following properties have passed a gov't QA inspection:
114 Roberts Chapel RD (UNIT 11-2)
1058 Wildlife Dr (UNIT 11-9)

NOTHING FOLLOWS

- Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

USACE Site Representative

RECEIPT ACKNOWLEDGED:

Contractor's Representative

CEHNC FORM 948 (Revised) 1 APR 96
COPY 1 – Contractor's Representative
<table>
<thead>
<tr>
<th>Subject Item(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Work Plan</td>
<td>The following properties have passed a gov't QA inspection:</td>
</tr>
<tr>
<td>[ ] Safety Violation</td>
<td>1044 Enon Rd (UNIT 11-1)</td>
</tr>
<tr>
<td>[ ] Safety Comments</td>
<td>1061 Wildlife Dr (UNIT 12-3)</td>
</tr>
<tr>
<td>[ ] Quality Control</td>
<td>[ ] Other</td>
</tr>
<tr>
<td>[ ] Prompt correction or compliance with contract specifications is requested.</td>
<td></td>
</tr>
</tbody>
</table>

**USACE Site Representative**

**RECEIPT ACKNOWLEDGED:**

**Contractor's Representative**

**ACTION TAKEN:**

CEHNC FORM 948 (Revised)  1 APR 96  COPY 1 – Contractor's Representative
MEMO

TO: USA Environmental
DATE: 8/3/10
TIME: 16:30

CONTRACT NUMBER: WNDR-04-D-0006
DO #: 0007

PROJECT LOCATION: Camp Butner, NC

SUBJECT ITEM(S)

☐ Work Plan
☐ Safety Violation
☐ Safety Comments

(Check all that apply):
☐ Quality Control
☐ Other

DESCRIPTION: The following properties have passed a gov'T QA Inspection
1062 Wildlife DR (Unit 11-10)
1064 Wildlife DR (Unit 12-7)

☐ Prompt correction or compliance with contract specifications is requested.

RECEIPT ACKNOWLEDGED:

ACTION TAKEN:

Contractor's Representative

CEHNC FORM 948 (Revised) COPY 1 – Contractor's Representative
1 APR 96
TO: USA Environmental
DATE: 8-4-10
TIME: 1615

CONTRACT NUMBER: W912DY-04-D-0006
PROJECT LOCATION: Camp Butner, NC

DO #: 0007

SUBJECT ITEM(S) (Check all that apply):
- [ ] Work Plan
- [ ] Safety Violation
- [ ] Quality Control
- [ ] Other
- [x] Safety Comments

DESCRIPTION: The following properties have passed a Gov't QA inspection:
- 1065 Wildlife Dr (unit 12-1)
- 1068 Wildlife Dr (unit 11-8)

[ ] Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED:

Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96
COPY 1 – Contractor's Representative
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP
MEMO

TO: USA Environmental
DATE: 8-9-10
TIME: 1100

CONTRACT NUMBER: W912DY-04-D-0066
PROJECT LOCATION: Camp Bratton, NC
DO #: 0007

SUBJECT ITEM(S) (Check all that apply):
☐ Work Plan ☑ Quality Control
☐ Safety Violation ☐ Other
☐ Safety Comments

DESCRIPTION: The following property has passed a gov't QA inspection:
1072 Wildlife Dr (Unit 11-7) ❌
NOTHING FOLLOWS

☐ Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: ☑
Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) COPY 1 – Contractor's Representative
1 APR 96
TO: USA Env.                     DATE: 8-10-10 1645

CONTRACT NUMBER: D12Q04-D-0006                     PROJECT LOCATION: Camp Butner, NC

DO #: 0007

SUBJECT ITEM(S) (Check all that apply):

☐ Work Plan  ☑ Quality Control  ☐ Other
☐ Safety Violation
☐ Safety Comments

DESCRIPTION: The following property has passed a Gov’t QA inspection: 1074 Wildlife Dr. (UNIT 11-6)

NOTHING FOLLOWS!

☐ Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

USACE Site Representative

Contractor’s Representative

CEHNC FORM 948 (Revised)  1 APR 96

COPY 1 – Contractor’s Representative
**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE**
**ORDNANCE AND EXPLOSIVE GROUP**

**MEMO**

**TO:** USA Env Inc.  
**DATE:** 8-11-10  
**TIME:** 1620

**CONTRACT NUMBER:** W912DY-04-D-0006  
**PROJECT LOCATION:** NTCRA  
**DO #:** 0007  
**Camp Butner, NC**

**SUBJECT ITEM(S)**

(Check all that apply):

- [ ] Work Plan
- [X] Safety Violation
- [ ] Other
- [ ] Safety Comments

**DESCRIPTION:**
The following property has passed a govt. QA Inspection:

1077 Wildlife Dr (Unit 126)

NOTHING FOLLOWS

[Signature]
USACE Site Representative

**RECEIPT ACKNOWLEDGED:**

[Signature]
Contractor's Representative

**ACTION TAKEN:**

---

CEHNC FORM 948 (Revised)  
1 APR 96

COPY 1 – Contractor's Representative
MEMO

TO: USA Env. Inc.  
DATE: 8-12-10
TIME: 1530

CONTRACT NUMBER: W912-DV-04-D-0001
PROJECT LOCATION: NTCRA
DO #: 0007

LOCATION: Camp Butner, NC

SUBJECT ITEM(S) (Check all that apply):
☐ Work Plan
☐ Safety Violation
☐ Quality Control
☐ Other
☐ Safety Comments

DESCRIPTION: The following properties have passed a post QA inspection:
1067 Wildlife Dr (Unit 12-2)
1078 Wildlife Dr (Unit 11-5)

☐ Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

RECEIPT ACKNOWLEDGED:

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor’s Representative
TO: USA Env. Inc  
DATE: 8-16-10  
TIME: 1645  

CONTRACT NUMBER:  
W912DY-04-D-0006  
DO #: 0007  

PROJECT LOCATION: NTCRA Camp Butner  

SUBJECT ITEM(S): (Check all that apply)  
- Quality Control  
- Other  

Work Plan  
Safety Violation  
Safety Comments  

DESCRIPTION: The following property has passed a Gov't QA inspection — 1082 Wildlife Dr (Unit 11-4)  

- NOTHING FOLLOWS -  

Prompt correction or compliance with contract specifications is requested.

USACE Site Representative  

RECEIPT ACKNOWLEDGED:  
Contractor's Representative  

ACTION TAKEN:  

CEHNC FORM 948 (Revised) 1 APR 96  
COPY 1 – Contractor's Representative
TO: USA Env. Inc  
DATE: 8-17-10  
TIME: 16:15  

CONTRACT NUMBER: W912DY-04-D-0006  
PROJECT LOCATION: NTCRA  
DO #: 0007  

PROJECT LOCATION: Camp Butner, NC  

SUBJECT ITEM(S)  
☐ Work Plan  
☐ Safety Violation  
☐ Safety Comments  

(Check all that apply):  
☐ Quality Control  
☐ Other  

DESCRIPTION: The following property has  
passed a gov't Q&A inspection:  
1086 Wildlife Dr (Unit 12-5)  
nothing follows  

☐ Prompt correction or compliance with contract specifications is requested.  

USACE Site Representative  

RECEIPT ACKNOWLEDGED: 
Contractor's Representative  

ACTION TAKEN:  

CEHNC FORM 948 (Revised)  
COPY 1 – Contractor's Representative  
1 APR 96
TO: USA Env., Inc  
DATE: 8-19-10  
TIME: 16:10  

PROJECT LOCATION: NYTCRA  
CONTRACT NUMBER: W912DY-04-D-0006  
DO #: 0007  

SUBJECT ITEM(S)  
☐ Work Plan  
☐ Safety Violation  
☐ Safety Comments  
☐ Prompt correction or compliance with contract specifications is requested.  
☐ Quality Control  
☐ Other  

DESCRIPTION: The following properties have passed a govt QA inspection: 195 Enon Rd (Unit 4-1); 193 Enon Rd (Unit 4-2); 1086 Roberts Chapel Rd (Unit 11-1); 1076 Wildlife Dr (Unit 12-4) - NOTHING FELLOW  

USACE Site Representative  

RECEIPT ACKNOWLEDGED:  
Contractor's Representative  

ACTION TAKEN:  

CEHNC FORM 948 (Revised)  
1 APR 96  
COPY 1 - Contractor's Representative
**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE**  
**ORDNANCE AND EXPLOSIVE GROUP**

**MEMO**

**TO:** USA Environmental  
**DATE:** 8-24-10  
**TIME:** 1620

**CONTRACT NUMBER:** W912DY-04-D-0006  
**PROJECT LOCATION:** NTCRA  
**DO #:** 0007  
**CAMP BUTNER, NC**

**SUBJECT ITEM(S)**  
(Check all that apply):
- [X] Quality Control
- [ ] Other

**DESCRIPTION:**

The following property has passed a Gov’t QA inspection—
3542 Saddle Ridge Rd (Unit 12-10)  

**DESCRIPTION:**

NOTHING FOLLOWS.

☐ Prompt correction or compliance with contract specifications is requested.

---

**USACE Site Representative**  
**Contractor’s Representative**

**RECEIPT ACKNOWLEDGED:**

---

**ACTION TAKEN:**

---

**CEHNC FORM 948 (Revised)**  
1 APR 96
TO: USA Environmental
DATE: 8-25-10
TIME: 1615

CONTRACT NUMBER: W912DY-04-D-0006
PROJECT LOCATION: NTCRA
DO #: 0007

DO #: 0007

PROJECT LOCATION: Camp Butner, NC

SUBJECT ITEM(S) (Check all that apply):
☐ Work Plan
☐ Safety Violation
☐ Safety Comments
☐ Quality Control
☐ Other

DESCRIPTION: The following properties have passed a QM/SA inspection: 1081 WILD BRIER LN (UNIT 12-8)
1080 WILD BRIER LN (UNIT 12-9)

prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised)
COPY 1 – Contractor’s Representative
1 APR 96
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP
MEMO

TO: DSA
DATE: 8-25-10
TIME: 1600

CONTRACT NUMBER: W912DY-04-D-0006
PROJECT LOCATION: NTCRA
DO #: 0007

SUBJECT ITEM(S) (Check all that apply):

- Quality Control
- Other

DESCRIPTION: The following property has passed a govt QA inspection:
444 Blue Creek Rd (Unit 13-8)

- Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

SIGNATURE: [Signature]
USACE Site Representative

RECEIPT ACKNOWLEDGED: [Signature]
Contractor's Representative

CEHNC FORM 948 (Revised) COPY 1 – Contractor's Representative
1 APR 96
TO: USA Environmental
DATE: 8/31/10
TIME: 1:00

CONTRACT NUMBER: W912DY-04-D-0006
DO #: 0007
PROJECT LOCATION: NTCRA

SUBJECT ITEM(S) (Check all that apply):

☐ Work Plan
☐ Safety Violation
☐ Safety Comments
☐ Quality Control
☐ Other

DESCRIPTION: The following properties have passed a Go/No-Go Inspection:
1104 Ranger Rd (Unit 4-9)
90 George Harris Rd (Unit 4-10)
NOTHING FOLLOWS

☐ Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

USACE Site Representative

RECEIPT ACKNOWLEDGED: 

Contractor's Representative

CEHNC FORM 948 (Revised) 1 APR 96
COPY 1 - Contractor's Representative
**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE**
**ORDNANCE AND EXPLOSIVE GROUP**
**MEMO**

**TO:** USA Eng. Inc

**DATE:** 9-1-18

**TIME:** 16:15

**CONTRACT NUMBER:** W912DY-04-D-0006

**PROJECT LOCATION:** NTCRA

**DO #:** 0007

**PROJECT LOCATION:** Camp Butner, NC

**SUBJECT ITEM(S):**
- [ ] Work Plan
- [ ] Safety Violation
- [ ] Safety Comments
- [X] Quality Control
- [ ] Other

**DESCRIPTION:** The following property has passed a govt. QA inspection: 4-7 11158 RANGE ROAD (UNIT?)

**NOTHING FOLLOWS?**

[ ] Prompt correction or compliance with contract specifications is requested.

USACE Site Representative: [Signature]

RECEIPT ACKNOWLEDGED: [Signature]

Contractor's Representative: [Signature]

**ACTION TAKEN:**

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor's Representative
MEMO

TO: USA Env. Inc.  
DATE: 9-7-10  
TIME: 1600  

CONTRACT NUMBER: W912DY-04-D-0006  
PROJECT LOCATION: NTCRA  

DO #: 0007  

PROJECT LOCATION: Camp Butner, NC  

SUBJECT ITEM(S)  
☐ Work Plan  
☐ Safety Violation  
☐ Quality Control  
☐ Safety Comments  
☐ Other  

(Check all that apply):

DESCRIPTION: The following property has passed a govt. QA inspection:

1112 Benon Rd (UNIT 13-6)

NOTHING FOLLOWS

☐ Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor's Representative
TO: USA Envt Inc  
DATE: 9-9-10  
TIME: 1630  

CONTRACT NUMBER: W912DY-04-D-0006  
PROJECT LOCATION: NTCRA  
DO #: 0007  

PROJECT LOCATION: Camp Butner, NC  

SUBJECT ITEM(S):  

<table>
<thead>
<tr>
<th>Item</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Plan</td>
<td></td>
</tr>
<tr>
<td>Safety Violation</td>
<td></td>
</tr>
<tr>
<td>Safety Comments</td>
<td></td>
</tr>
</tbody>
</table>

(Check all that apply):  

- Quality Control  
- Other  

DESCRIPTION: The following property has passed a govt CQA inspection: 89 George Harris Rd (Unit 4-8)  

NOTHING FOLLOWS  

Prompt correction or compliance with contract specifications is requested.  

USACE Site Representative: [Signature]  
Contractor's Representative: [Signature]  

ACTION TAKEN:  

CEHNC FORM 948 (Revised)  
COPY 1 – Contractor's Representative  
1 APR 96
TO: USA ENG. INC  
DATE: 9-10-10  
TIME: 1700

CONTRACT NUMBER: W912DY-04-D-0006  
PROJECT LOCATION: NTCRA

DO #: 0007  
CAMP BUTNER, NC

SUBJECT ITEM(S)  
☐ Work Plan  
☐ Safety Violation  
☑ Quality Control  
☐ Other  
☐ Safety Comments

DESCRIPTION: The following properties have passed a govt QA inspection:

- 1041 Enon Rd (Unit 4-3)
- 1043 Enon Rd (Unit 4-4)
- 1049 Enon Rd (Unit 4-5)

☐ Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor's Representative

ACTION TAKEN:
TO: USA Env. Inc.

DATE: 9-15-10

TIME: 1630

CONTRACT NUMBER: W912DY-04-D-0006

DO #: 0207

PROJECT LOCATION: NTGRA

CAMP BUTNER, NC

SUBJECT ITEM(S) (Check all that apply):

☐ Work Plan
☐ Safety Violation
☒ Quality Control
☐ Other

☐ Safety Comments

DESCRIPTION: The following property has passed a Gov’t QA inspection:

1319 Berea Rd (Unit 4-6) —

—_NOTHING FOLLOWS_—

☐ Prompt correction or compliance with contract specifications is requested.

☐ Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED:

Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 - Contractor's Representative
MEMO

TO: USA Env. Inc

DATE: 9/29/10

TIME: 16:40

CONTRACT NUMBER: W912DY-04-D-0006

PROJECT LOCATION: NTCRA

DO #: 0007

CAMP BUTNER, NC

SUBJECT ITEM(S) (Check all that apply):
- [ ] Work Plan
- [ ] Safety Violation
- [ ] Safety Comments
- [X] Quality Control
- [ ] Other

DESCRIPTION: The following property has passed a g&h QA inspection.  501 Exon Rd (unit 5-1)  —— NOTHNG FELLOWS

- [ ] Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED:  

Contractor's Representative

ACTION TAKEN:
TO: USAE INC.
DATE: 9-23-10
TIME: 1:30

CONTRACT NUMBER: W912DY-04-D-0006
PROJECT LOCATION: NTCRA
DO #: 0007
PROJECT LOCATION: CAMP BUTNER, NC

SUBJECT ITEM(S) (Check all that apply):
☐ Work Plan
☐ Safety Violation
☐ Safety Comments
☐ Quality Control
☐ Other

DESCRIPTION: The following properties have passed a gov't QA inspection.
1741 Berea Rd (Unit 5-6)
1715 Berea Rd (Unit 5-7)

☐ Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) COPY 1 – Contractor's Representative
1 APR 96
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP
MEMO

TO: USA Environmental
DATE: 10/4/10
TIME: 1500

CONTRACT NUMBER: W9124-04-D-0000
PROJECT LOCATION: Cp Butner, NC

DO #: 0007

SUBJECT ITEM(S) (Check all that apply):
- Quality Control
- Other

DESCRIPTION: The following properties have passed a government QA inspection:
- 88 George Harris Rd (unit 5-2) 247 George Harris Rd (unit 5-3) 531 Berea Rd (unit 5-4) 1715 B Berea Rd (unit 5-6) 1077 Enon Rd (unit 5-8) 347 Bethany Rd (unit 2-1) 8412 Range Rd (unit 13-9)

Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

USACE Site Representative

Contractor's Representative

RECEIPT ACKNOWLEDGED:

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor's Representative
<table>
<thead>
<tr>
<th>TO:</th>
<th>DATE:</th>
<th>TIME:</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA Environmental Inc.</td>
<td>6 OCT 90</td>
<td>1500</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONTRACT NUMBER:</th>
<th>PROJECT LOCATION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>US91204-04-D-0267</td>
<td>CP Buford, NC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DO #:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0007</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SUBJECT ITEM(S)</th>
<th>(Check all that apply):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Plan</td>
<td>Quality Control</td>
</tr>
<tr>
<td>Safety Violation</td>
<td>Other</td>
</tr>
<tr>
<td>Safety Comments</td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION:** The following properties have passed a government QA inspection:
- 504 Range Rd (Unit 0-1)
- 5041 Range Rd (Unit 0-2)
- 5043 Range Rd (Unit 0-3)

[Nothing follows]

[ ] Prompt correction or compliance with contract specifications is requested.

[Signature]  
USACE Site Representative

**RECEIPT ACKNOWLEDGED:**  
[Signature]  
Contractor's Representative

**ACTION TAKEN:**
TO: USA Environmental  
DATE: 7 OCT 96  
TIME: 1200  

CONTRACT NUMBER: DA-21-04-D-0016  
PROJECT LOCATION:  
DO #: 8007  

TO: Cp Butner, NC  

SUBJECT ITEM(S) (Check all that apply):  
☐ Work Plan  
☒ Safety Violation  
☐ Other  
☐ Safety Comments  

DESCRIPTION: The following properties have passed a government QA inspection:  
3602 Range Rd (Unit 5-5); 5079 Ranch Rd (Unit 5-4); 5079 Range Rd (Unit 6-5)  
A Notice to Follow:  

☐ Prompt correction or compliance with contract specifications is requested.  

ACTION TAKEN:  

RECEIPT ACKNOWLEDGED:  

ACTION TAKEN:  

CEHNC FORM 948 (Revised)  
COPY 1 – Contractor’s Representative  
1 APR 96
TO: USA Environmental

DATE: 11 OCT 10

TIME: 1500

CONTRACT NUMBER: W912NY-04-D-0004

PROJECT LOCATION:

Do #: 0007

Cp Buxton, NC

SUBJECT ITEM(S)

☐ Work Plan
☐ Safety Violation
☐ Safety Comments

(Check all that apply):

☐ Quality Control
☐ Other

DESCRIPTION: The following properties have passed a government QA inspection:

Sand Range Rd (Unit 6-8), 5203 Range Rd (Unit 6-9)

☐ Prompt correction or compliance with contract specifications is requested.

____________________

Hank Counts

USACE Site Representative

RECEIPT ACKNOWLEDGED:

____________________

Contractor's Representative

ACTION TAKEN:

CEHN Form 948 (Revised) 1 Apr 96

COPY 1 - Contractor's Representative
TO: USA Environmental Inc
DATE: 12/07/10
TIME: 1500

CONTRACT NUMBER: W912DY-04-D-0006
PROJECT LOCATION: Cp Butner, NC

DO #: 8007

SUBJECT ITEM(S) (Check all that apply):
- Work Plan
- Safety Violation
- Safety Comments
- Quality Control
- Other

DESCRIPTION: The following property passed a government QA inspection: 1026 Enow Rd (unit 13-5)

[Signature]
USACE Site Representative

RECEIPT ACKNOWLEDGED: [Signature]
Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised)
1 APR 96
COPY 1 – Contractor's Representative
TO: USA Environmental
DATE: 1300/10/1600
TIME:

CONTRACT NUMBER: W912DY-04-D-0040
PROJECT LOCATION: Cp Butner, NC
DO #: 0007

SUBJECT ITEM(S)
- [ ] Work Plan
- [ ] Safety Violation
- [ ] Safety Comments
- [X] Quality Control
- [ ] Other

DESCRIPTION: The following properties have passed a government QA inspection:
- 580 A&W Bowling Rd (Unit 6-10)
- 61 A&W Bowling Rd (Unit 7-2)

Nothing follows.

[ ] Prompt correction or compliance with contract specifications is requested.

Hank Counts
USACE Site Representative

RECEIPT ACKNOWLEDGED:

Contractor’s Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96
COPY 1 – Contractor’s Representative
TO: USA Environments

DATE: 18 OCT 10

TIME: 14:15

CONTRACT NUMBER: W912DY-04-D-0006

PROJECT LOCATION: Cp Bsoftware, NC

DO #: 0007

SUBJECT ITEM(S) (Check all that apply):

- [ ] Work Plan
- [X] Safety Violation
- [ ] Safety Comments
- [X] Quality Control
- [ ] Other

DESCRIPTION: The following property passed a government QA Inspection:

655 Bellview Church Rd. Unit 7-1

[Nothing Follows]

[] Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

[Signature]

RECEIPT ACKNOWLEDGED: [Signature]

Contractor's Representative

[Signature]

ACTION TAKEN:

CEHNC FORM 948 (Revised)
1 APR 96

COPY 1 – Contractor's Representative
**U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE ORDNANCE AND EXPLOSIVE GROUP**

**MEMO**

<table>
<thead>
<tr>
<th>TO:</th>
<th>DATE:</th>
<th>TIME:</th>
</tr>
</thead>
<tbody>
<tr>
<td>USD Environmental</td>
<td>21 OCT 10</td>
<td>1500</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONTRACT NUMBER:</th>
<th>PROJECT LOCATION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>W912D4-04-D-0066</td>
<td>Cp Butter, NC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DO #:</th>
<th>9007</th>
</tr>
</thead>
</table>

**SUBJECT ITEM(S):** (Check all that apply):
- [ ] Work Plan
- [x] Safety Violation
- [ ] Quality Control
- [ ] Other
- [ ] Safety Comments

**DESCRIPTION:** The following properties have passed a government QA inspection:
- 5087 Range Rd (Unit 6-B), 5097 Ranger (Unit 6-7), 1916 Arrow Rd (Unit 3-2)

Prompt correction or compliance with contract specifications is requested.

**ACTION TAKEN:**

**USACE Site Representative:**

**RECEIPT ACKNOWLEDGED:**

**Contractor’s Representative:**

---

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor’s Representative
MEMO

TO: USA Environmental

DATE: 26 OCT 10

TIME: 1100

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP

CONTRACT NUMBER: W912DY-04-D-00026

PROJECT LOCATION: Co Bushey, NC

DO #: 00017

SUBJECT ITEM(S) (Check all that apply):
- Work Plan
- Safety Violation
- Safety Comments

DESCRIPTION: The following properties have passed a government QA Inspection:
11/19 Bowling Mtn Rd (Unit 14-1), 11/33 1-1
Bowling Mtn Rd (Unit 14-2)

☐ Prompt correction or compliance with contract specifications is requested.

RECEIPT ACKNOWLEDGED: Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor's Representative
| TO: USA Environmental | DATE: 97 OCT 10 1600 |
| DO #: 0207 |

**SUBJECT ITEM(S)**
- [ ] Work Plan
- [x] Safety Violation
- [ ] Safety Comments

**DESCRIPTION:** The following properties have passed a government inspection:
- 4109 Blue Mtn Rd (Unit 13-3), 1002
- Erde-Washington Rd (Unit 14-4)

- [ ] Prompt correction or compliance with contract specifications is requested.

**ACTION TAKEN:**

**RECEIPT ACKNOWLEDGED:**

**ACTION TAKEN:**

---

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor's Representative
TO: U.S. Army Environmental Center, Huntsville, AL
DATE: 1 NOV 10 1500
TIME: 

CONTRACT NUMBER: W912Y4-04-D-0004
PROJECT LOCATION: Cp Butner, NC

DO #: 0067

SUBJECT ITEM(S) (Check all that apply):

☐ Work Plan
☐ Safety Violation
☐ Quality Control
☐ Other
☐ Safety Comments

DESCRIPTION: The following properties have passed a government QA inspection:
1119 Elmo Rd (Unit 7-5), 4093 Range Rd (Unit 14-3)

☐ Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor's Representative

ACTION TAKEN:

CEHC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor's Representative
TO: USA Environmental
DATE: 2 NOV 10
TIME: 1430
CONTRACT NUMBER: W912DY-04-D-0066
PROJECT LOCATION: Cp Butner, NC
DO #: 0007

SUBJECT ITEM(S) (Check all that apply):
- Work Plan
- Safety Violation
- Safety Comments

DESCRIPTION: The following property has passed a government QA Inspection:
1000 Fate-Washington Rd (Unit 13-10)

☐ Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor's Representative

ACTION TAKEN:
**TO:** USA Environmental  
**DATE:** 2 NOV 10  
**TIME:** 1500

**CONTRACT NUMBER:** W912NY-04-D-0456  
**PROJECT LOCATION:** Cp Butner

**DO #:** 0007

**SUBJECT ITEM(S):** (Check all that apply):
- [ ] Work Plan  
- [x] Quality Control  
- [ ] Other  
- [ ] Safety Violation  
- [ ] Safety Comments

**DESCRIPTION:** The following properties have passed a government QA Inspection:
- 5315 Ishom-Chemppers Rd (Unit 13-4)
- 4559 Sugar Maple Rd (Unit 7-8)
- 4543 Sugar Maple Rd (Unit 8-5)

- [ ] Prompt correction or compliance with contract specifications is requested.

**USACE Site Representative:** [Signature]

**RECEIPT ACKNOWLEDGED:** [Signature]

**Contractor's Representative:**

**ACTION TAKEN:**

---

CEHNC FORM 948 (Revised)  
1 APR 96  
COPY 1 – Contractor's Representative
U.S. Army Engineering and Support Center, Huntsville
Ordnance and Explosive Group

MEMO

TO: USA Environmental
DATE: 9 NOV 10

CONTRACT NUMBER: W912NY-04-D-0004
PROJECT LOCATION: CP Butner NC

DO #: 0004

SUBJECT ITEM(S) (Check all that apply):
☐ Work Plan
☐ Safety Violation
☐ Safety Comments
☐ Quality Control
☐ Other

DESCRIPTION: The following property has passed a government QA inspection at 5447 Range Rd (Unit 7-4) on 9 Nov 10. Nothing follows.

☐ Prompt correction or compliance with contract specifications is requested.

Signed: USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor’s Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised)
1 APR 96
COPY 1 – Contractor’s Representative
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP

MEMO

TO: USA Engineering Inc
DATE: 8 Nov 10
TIME:

CONTRACT NUMBER: W912DY-04-D-0006
PROJECT LOCATION:

DO #: 0007

SUBJECT ITEM(S)
☑ Work Plan
☑ Quality Control
☐ Safety Violation
☐ Other
☐ Safety Comments

DESCRIPTION: The following properties have passed a government QA Inspection:
4541 Sugar Maple (Unit 8-4), 4555 Sugar Maple (Unit 8-5).

☐ Prompt correction or compliance with contract specifications is requested.

USACE Site Representative:

RECEIPT ACKNOWLEDGED:
Contractor's Representative:

ACTION TAKEN:

CEHGC FORM 948 (Revised)
COPY 1 - Contractor's Representative
1 APR 96
TO: USA Environmental
DATE: 10 Nov 00
TIME: 1400

CONTRACT NUMBER: W912RY-04-D-0006
DO #: 09267

PROJECT LOCATION: Cp Butner, NC

RECEIPT ACKNOWLEDGED: USACE Site Representative

ACTION TAKEN:

SUBJECT ITEM(S) (Check all that apply):
☐ Work Plan
☐ Safety Violation
☐ Quality Control
☐ Other
☐ Safety Comments

DESCRIPTION: The following Properties have passed a government QA inspection:
4551 Sugar Maple Rd (Unit 7-10), 4335 Sugar Maple Rd (Unit 8-9)

Prompt correction or compliance with contract specifications is requested.

Hank Counts
USACE Site Representative

RECEIPT ACKNOWLEDGED: Contractor's Representative

CEHNC FORM 948 (Revised) COPY 1 – Contractor's Representative
1 APR 96
TO: USA Environmental
DATE: 11 Nov 10
TIME: 1500

CONTRACT NUMBER: W912D4-04-D-0006
PROJECT LOCATION: Cp. Baton
DO #: 0007

SUBJECT ITEM(S): (Check all that apply):
☐ Work Plan
☐ Safety Violation
☐ Quality Control
☐ Safety Comments
☐ Other

DESCRIPTION: The following properties have passed a government QA inspection:
- 4533 Sugar Maple Rd (Unit 8-2)
- 4539 Sugar Maple Rd (Unit 7-7)
- 1084 Fate-Washington Rd (Unit 14-2)
- 1094 Roberts Chapel Rd (Unit 13-1)

☐ Prompt correction or compliance with contract specifications is requested.

RECEIPT ACKNOWLEDGED:

ACTION TAKEN:

Contractor’s Representative

CEHNC FORM 948 (Revised) COPY 1 – Contractor’s Representative
1 APR 96
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP

MEMO

TO: USA Environment Inc.
DATE: 11/10/00
TIME: 1000

CONTRACT NUMBER: W912DY-04-D0006
PROJECT LOCATION: Cap Bomber, NC

DO #: 00007

SUBJECT ITEM(S) (Check all that apply):
- Work Plan
- Safety Violation
- Safety Comments
- Other

DESCRIPTION: The following properties have passed a government QA inspection:
4536 Sugar Maple Rd (Unit 7-3), 4540 Sugar Maple Rd (Unit 8-3)

Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: [Signature]
Contractor’s Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96
COPY 1 - Contractor’s Representative
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP

MEMO

TO: USA Environment
DATE: 17 Nov 10
TIME: 16:15

CONTRACT NUMBER: W912DY-04-D-0060
PROJECT LOCATION: Bessemer
DO #: 0607

SUBJECT ITEM(S) (Check all that apply):

- Work Plan
- Safety Violation
- Safety Comments

QUALITY CONTROL

DESCRIPTION: The following properties have passed a government QA Inspection:
- 4525 Sugar Maple Rd (unit 8-7)
- 4211 Sugar Maple Rd (unit 8-2)
- 4620 Sugar Maple Rd (unit 8-5)
- 4579 Sugar Maple Rd (unit 8-10)
- 10941 Washington Rd (unit 14-8)

Prompt correction or compliance with contract specifications is requested.

RECEIPT ACKNOWLEDGED: [Signature]

USACE Site Representative

ACTION TAKEN:

[Blank]

CEHNC FORM 948 (Revised) 1 APR 96
COPY 1 – Contractor's Representative
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP
MEMO

TO: USA Environmental

DATE: 18 Nov 18
TIME: 0900

CONTRACT NUMBER: W912DR-04-D-0016

DO #: 0007

PROJECT LOCATION: Ft. Bragg, NC

SUBJECT ITEM(S) (Check all that apply):
□ Work Plan
□ Safety Violation
□ Quality Control
□ Safety Comments
□ Other

DESCRIPTION: The following property passed a government QA Inspection:
Fate-Washington Rd (Unit 14-5)

□ Prompt correction or compliance with contract specifications is requested.

Hank Counts
USACE Site Representative

RECEIPT ACKNOWLEDGED: [Signature]
Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 95

COPY 1 – Contractor's Representative
TO: USA Environmental

DATE: 23 Nov 96

TIME: 1600

CONTRACT NUMBER: W912DY-94-D-0016

PROJECT LOCATION: OP Biscuit

DO #: 0007

SUBJECT ITEM(S) (Check all that apply):
- Work Plan
- Safety Violation
- Safety Comments
- Other

DESCRIPTION: The following properties passed government QA inspection: 4532 Sugar Maple Rd (Unit 7-c), 4538 Sugar Maple Rd (Unit 7-g), 4149 Crown Oaks (Unit 13-261)

Prompt correction or compliance with contract specifications is requested.

USACE Site Representative

RECEIPT ACKNOWLEDGED: [Signature]

Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96

COPY 1 – Contractor's Representative
U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVE GROUP

TO: USA Environment
DATE: 29 Nov 1996

CONTRACT NUMBER: W912DH-94-D-0000
PROJECT LOCATION: Cpl. Butner, NC

DO #: 8007

SUBJECT ITEM(S) (Check all that apply):
- [ ] Work Plan
- [x] Safety Violation
- [ ] Quality Control
- [ ] Other
- [ ] Safety Comments

DESCRIPTION: The following properties passed a government QA inspection:
- 4139 Blue Mountain Rd (Unit 14-9)
- 4137A Blue Mountain Rd (Unit 14-10)

[ ] Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

RECEIPT ACKNOWLEDGED: [Signature] Contractor's Representative

CEHNC FORM 948 (Revised) 1 APR 96
COPY 1 - Contractor's Representative
TO: USA Environmental

DATE: Dec 10, 0930

TIME:

CONTRACT NUMBER: W01AD8-04-D-0007

PROJECT LOCATION: Cop. Portsmouth, NC

DO #: 0007

SUBJECT (CHECK ALL THAT APPLY):

- Work Plan
- Safety Violation
- Safety Comments

DESCRIPTION:
The following property passed a government QA inspection: 10/22
Eagle Washington R (Unit 14-9)

Working Follows:

☐ Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

RECEIPT ACKNOWLEDGED:

ACTION TAKEN:

COPY 1 – Contractor’s Representative
TO: USA Environmental Inc 
DATE: 9 Dec 10 
TIME: 1500 

CONTRACT NUMBER: W912W4-04-D-0066 
PROJECT LOCATION: 
DO #: 0807 

PROJECT LOCATION: 

SUBJECT ITEM(S) (Check all that apply): 
☑ Quality Control 
☐ Other 

DESCRIPTION: The following property passed requirement QA Inspection 4523 ron (unit 4010) 

☐ Prompt correction or compliance with contract specifications is requested. 

RECEIPT ACKNOWLEDGED: 

ACTION TAKEN: 

CEHNC FORM 948 (Revised) 
COPY 1 – Contractor’s Representative 
1 APR 96
TO: USA Environmental Inc
DATE: 14 Dec 96
TIME: 1300

CONTRACT NUMBER: W912DY-94-D-0007
PROJECT LOCATION: CP Balfour, NC
DO #: 0007

SUBJECT ITEM(S) (Check all that apply):
- [ ] Work Plan
- [ ] Safety Violation
- [ ] Quality Control
- [ ] Other
- [ ] Safety Comments

DESCRIPTION: The following property has passed a government QA: 4576 VZLZ Rd, Unit 409. This completes all in-place activities for CP Balfour under current contract. Nothing to follow.

[ ] Prompt correction or compliance with contract specifications is requested.

ACTION TAKEN:

RECEIPT ACKNOWLEDGED: [Signature]
Contractor's Representative

ACTION TAKEN:

CEHNC FORM 948 (Revised) 1 APR 96
COPY 1 – Contractor's Representative
APPENDIX F

F.0 OPERATIONS REPORTS

This appendix contains the following documentation:

- SUXOS Daily and Weekly Operations Summaries (on CD)