

# U.S. Army Engineering and Support Center, Huntsville

---

4820 University Square  
Huntsville, AL 36815-1822  
205-895-1563  
Fax: 205-895-1819

## FAX TRANSMISSION COVER SHEET

---

**Date:** January 17, 1997  
**To:** Larry Fisher  
**Fax:** 801-833-2839  
**Re:** Fort Wingate OE Removal Project  
**Sender:** Carol Youkey, Project Manager

---

YOU SHOULD RECEIVE 4 PAGE(S), INCLUDING THIS COVER SHEET.

---

Attached is the Technical Progress Report for the Wingate OE Project.

Pages  
1, 2, 3, 11, 16, 20, 21

**U.S. Army Engineering and Support Center, Huntsville  
Ordnance and Explosives Team**

**Technical Progress Report  
1 Sep - 12 Dec 96**

**PROJECT: Fort Wingate Depot Activity, NM**

**PROJECT NUMBER: NM-WING02-SWF**

**CONTRACT NUMBER: DACA87-94-D-0030, TASK ORDER 0004**

**CONTRACTOR: CMS, Inc., Tampa, FL**

**PROJECT SUMMARY:**

CMS, Inc., mobilized to the site in late May 96 and began ordnance clearance operations in June. The contractor demobilized on 12 Dec 96 for the winter months and will resume work in early Mar 97, weather permitting. Work is expected to be completed during the summer of 97.

**ACTIVITIES COMPLETED DURING 1 SEP 96 - 12 DEC 96**

**Site 1- Sewage Treatment Plant:** The surface clearance is complete, but subsurface work remains to be done when work resumes Mar 97. No action this reporting period.

**Site 4, Functional Test Range 2/3:** No action this reporting period. Work remaining in this site includes subsurface search and sampling of selected areas (approximately 75 acres).

**Site 5, Functional Test Range 1:** A 100 % surface search was initiated on 6 Aug 96 and was completed on 10 Oct 96. A total of 810, 100' x 200' grids were searched. An additional 14 grids were added to the northeast corner, bringing the total to 824. A total of 209 OE items were located and removed to the OB/OD area for disposal. A total of 35 items were unsafe to move and were blown in place. Approximately 3,300 pounds of OE-related scrap have been located and removed and 6,046 pounds of non-OE scrap were located and removed. In addition, 142,000 pounds of slag were removed and staged in a temporary holding cell at the OB/OD Area. The cell at the OB/OD Area was set up in a 100' x 50' old open storage unit; it was lined with 6 mil plastic, and secured with sandbags. The debris was placed in the cell for later disposition to the proposed landfill in the old OB area. Approximately 55 acres of subsurface work remains to be completed.

**Site 10, OB/OD Area:** The large stockpile of OE that was left in the OB/OD Area by previous IITW contractors, along with items located during the current daily operations, were destroyed. In addition, four 100' x 100' grids were established and cleared around the OE

stockpile. Environmental Resource Management, Inc. (ERM), working with their own OE avoidance team in the OB/OD Area, excavated 923 pieces of OE which was turned over to CMS for disposal. OE items encountered by ERM were moved to the disposal blow hole or blown in place by CMS. All inert OE was vented in accordance with the work plan and disposed of as scrap through a scrap metal dealer.

**Site 11, Group C Disposal Area:** A total of 110 100' x 100' grids were surveyed and searched. A surface search began on 10 Sep 96 and was completed 25 Sep 96. Two dump areas were surface cleared only. **One live M404 fuze was located and destroyed. Reports by another UXO contractor also confirmed that fuzes were located during previous operations and removed to the OB/OD area. Ordnance removal will be an issue during HTRW work in this area.** Approximately 2,300 pounds of OE related scrap were removed from the dumps, and 262 pounds of non-OE scrap was removed during the grid search from the surface only. This area is completed with all grid markers removed.

**Site 14, Deactivation Furnace:** A 100% surface search of the site (41 100'x100' grids) was initiated 14 Aug 96 and completed on 28 Aug 96. An additional 34 grids (200'x100') were laid out to search the additional 200 feet boundary area as described in the work plan. Search teams began searching the additional boundary area on 29 Aug 96 and completed all surface work on 10 Sep 96. OE located included: 1 ea. MK48 fuze body, 1 ea. burster tube, and approximately 1 pound of propellant. All OE was moved to the OB/OD area for later disposal. Subsurface work was initiated on 4 Nov 96 and terminated 10 Dec 96. The subsurface work progressed slowly because of heavy contamination of the ground with nails and burn debris. The ground also contains large amounts of asphalt materials that cause the magnetometers to signal. The ground is clay/caliche, and extremely hard to dig by hand beyond 15 inches or when wet. Heavy equipment will be required to excavate below two feet. OE located to date includes inert 37mm projectiles, booster cups, and fuze parts that were embedded in the asphalt. OE-related scrap totals approximately 1000 pounds and non-OE scrap totals approximately 1,778 pounds.

**Pershing Missile Site:** The Ballistic Missile Site was gridded into 91, 100' x 100' grids, and a surface search was conducted between 1 Oct 96 and 8 Oct 96. No OE or OE related items were found. Approximately 2,825 pounds of non-OE scrap was removed and turned over to a scrap metal dealer. This area is completed, with all grid markers removed.

**Summary:** To date, over 13,637 items of OE have been destroyed by detonation. A total of 923 items were destroyed for ERM, to include 27 items blown in place. Also, 35 items were blown in place at FTR-1. No OE was found in the sewage treatment plant during the surface search. Explosives expended were 3,780 pounds of Pentolite, 7,937 feet of detcord, 400 fuse lights, 300 blasting caps, and 3,280 feet of time fuse.

**ACTIVITIES PLANNED FOR MAR 97:** Mobilize and resume subsurface clearance efforts in FTR-1, FTR-2/3, deactivation furnace, and sewage treatment plant.

**FOR ADDITIONAL INFORMATION, CONTACT:** Carol Youkey, Project Manager,  
CEHNC-OF-EM, 205-895-1563, FAX 205-895-1819.

**DISTRIBUTION:**

SDSTE-IRE (Larry Fisher)

SFIM-AED-BCD (Tim Alexander)

FWDA (Duke Davis)

CEMP-RI (John Shearer)

CESWF-PM-J (Katrina Ajemian)

CESWA-ED (Ron Kneebone)