



# FORMER NAVAL SURFACE WARFARE CENTER WHITE OAK Silver Springs, Maryland

## FINAL REPORT Waste Characterization Sampling Parking Lot Landfill

Contract No. N62470-95-D-5000  
Task Order 0046

Volume 1 of 2

OHM Project 800286

Prepared by:



OHM Remediation  
Services Corp.

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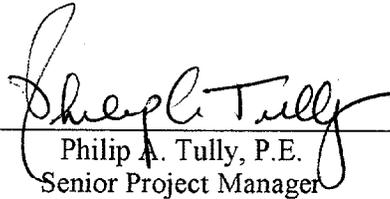
**PROJECT CLOSE-OUT REPORT  
FOR  
SITE 1 - PARKING LOT LANDFILL  
FORMER NAVAL SURFACE WARFARE CENTER-WHITE OAK  
SILVER SPRING, MARYLAND**

Prepared for:

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January 2, 2001  
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## **1.0 INTRODUCTION**

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OHM Remediation Services Corp. (OHM) is pleased to present this Project Close-Out Report for Task Order 046. This Task Order is for the disposal characterization of waste at the Site 1 Parking Lot Landfill at the former Naval Surface Warfare Center - White Oak, Silver Spring, Maryland, under contract No. N62470-97-D-5000, Task Order 046.

### **1.1 EXISTING CONDITIONS**

The Parking Lot Landfill (Site 1) was used as an open disposal site and landfill between 1948 and 1953. The wastes reportedly disposed within this landfill included lubricating oil, battery acid, metal plating wastes, and metal scrap. It has been reported that approximately 60 automobile batteries were disposed at the site over its operating life. When Site 1 was deactivated in 1953, it was paved with asphalt and since then has been used as a parking lot. Wastes including tires, glass, and old metal equipment have been observed on the southern and eastern slopes beyond the edge of the paved area.

Site 1 is located in the northwestern portion of the facility on the eastern edge of a developed area. The site is east of building 110 and south of building 111. A concrete trench is located along the northern edge of the paved area, adjacent to building 111. The trench appears to have been used to capture runoff from inside building 111. The Apple Orchard Landfill, IR site 2, is located east of the site. Site 32, National Pollutant Discharge Elimination System (NPDES) Outfall 09 is south of the site at Building 112. Site 1 measures approximately 200 feet by 250 feet. Drainage swales form the eastern and southern site boundaries.

An Engineering Evaluation/Cost Analysis (Engineering Evaluation Cost Analysis [EE/CA] for Site 1 and Site 28 at the Former Naval Surface Warfare Center - White Oak, Silver Spring, Maryland, Tetra Tech NUS, July 1999) identified excavation of contaminated materials with offsite treatment/disposal and site restoration as the recommended action for this Site.

### **1.2 TASK ORDER SUMMARY**

OHM was issued a Request for Proposal (RFP) for this task order on September 7, 1999. Additional work (installation of water line to two off-site residences) was added to the scope of work (SOW) on September 13, 1999. The RFP included a (SOW) that was used as the basis for developing a detailed cost estimated. A summary of the SOW is:

- Perform waste characterization disposal sampling prior to excavation of waste
- Site preparation including installation of erosion and sediment controls
- Excavation and off-site disposal of approximately 6,000 cubic yards of waste from Site 1 Landfill
- Backfill and compaction
- Site restoration
- Supervision and management
- Installation of water line to two off-site residences

OHM submitted a cost proposal on September 28, 1999.

Lantdiv approved the cost estimated and provided OHM a notice to proceed on September 30, 1999. Total amount of the award was \$854,301, including \$15,794 award fee.



Subsequent to the award, the White Oak BCT determined that the work associated with the Site 1 landfill would be included as part of the Site 2 landfill cap. Site 2 lies immediately adjacent to Site 1. The Site 2 cap is scheduled to be installed in 2001. Therefore, this portion of the scope of work was deleted from this task order. The waste characterization disposal sampling was not deleted. It was decided that this work would be performed and the results used to support the Site 2 landfill cap design.

On January 7, 2000, OHM submitted modification request no. 1 on January 7, 2000 to deduct costs associated with the removal of waste from Site 1. Costs associated with waste disposal characterization sampling and installation of the water line were not deducted.

OHM obtained samples for waste disposal characterization on January 12, 2000.

In July 2000, the Navy decided that the water line installation would not be performed under this task order. OHM submitted a revised modification request no. 1 on August 17, 2000 to delete costs associated with the water line installation in addition to those costs associated with the removal of waste from Site 1.

Modification request no. 1 was approved on September 26, 2000. The cost was reduced by \$854,301 including \$12,704 award fee. The revised cost for this task order is \$62,702 including \$3,090 award fee.

## **2.0     *SITE CONSTRUCTION ACTIVITIES***

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### **2.1     MOBILIZATION OF PERSONNEL & EQUIPMENT**

Personnel and equipment already on site performing work on Task Order 28 were used excavate the test pits at Site 1. A sample technician from the OHM Trenton, NJ office mobilized to the site to obtain the samples and send to off-site laboratory for analysis.

### **2.2     WASTE DISPOSAL SAMPLING**

OHM obtained the samples on January 12, 2000. Four test pits/trenches were excavated using a 320 excavator. Test pit/trench locations were randomly selected but generally covered the entire boundary of the Site 1 landfill. One of the trenches was excavated adjacent to Building 111. The pit ran the entire length of Building 111 and to a depth of 12 – 15 feet. Once excavated, the excavation was inspected to determine if waste was present beneath Building 111. It did not appear that waste was present below the building. A second trench was excavated on the along the eastern boundary of the landfill. A second trench was excavated along the eastern boundary of the site. The length of the trench was approximately 80 feet. The depth was approximately 12 – 15 feet. A test pit with a depth of 12 – 15 feet, was excavated roughly in the center of the site. A second test pit with a depth of 12 – 15 feet was excavated in the northwest corner of the site.

A composite sample was obtained from each of the test pits/trenches and sent to the off-site laboratory, Severn Trent Labs, for the following analysis:

- TCLP BNA Metals
- TCLP Pesticides/Herbicides
- Releasable Sulfur and Cyanide
- Flashpoint, pH
- TCL VOA
- TPH (DRO & GRO)
- PCBs
- Explosives
- TCL BNA
- TCLP VOA
- Ignitability/Corrosivity

Analytical results were provided to OHM and reviewed. Results were compared to the TCLP hazardous limits. All of the sample results were below the hazardous limits. Therefore, the waste is considered characteristically non-hazardous.

Analytical results are included as Appendix A to this report.

**FINAL REPORT: WASTE CHARACTERIZATION SAMPLING PARKING LOT  
LANDFILL, VOLUMES I AND II**

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