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January 23, 2001

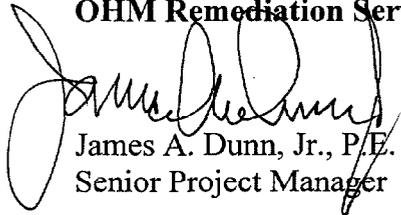
Mr. Kirk Stevens
Atlantic Division Code EV23KS
Naval Facilities Engineering Command
6506 Hampton Blvd.
Norfolk, VA 23508

**Re: Contract N62470-97-D-5000
Revised Final Work Plan, Additional Investigation and Interim Measures
SWMU 291, 310, and 358
MCB Camp Lejeune, NC**

Dear Mr. Stevens:

Attached please find clarification to the clean-up levels for the SWMUs incorporating comments from the State of North Carolina. Please replace the appropriate pages in your document forwarded in November 2000 and previously revised on January 4, 2001.

Yours Truly,
OHM Remediation Services Corp.



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OHM File 803538

**REVISED
WORKPLAN
SITE CHARACTERIZATION AND INTERIM MEASURES
FOR
SOLID WASTE MANAGEMENT UNITS 291, 310, AND 358
MCB,CAMP LEJEUNE, NORTH CAROLINA**

Prepared for:

DEPARTMENT OF THE NAVY

Contract No. N62470-97-D-5000

Task Order 052

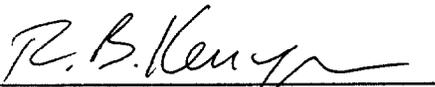
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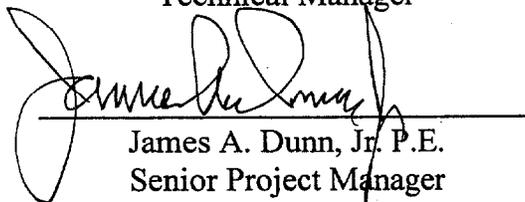
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January 2001
OHM Project No. 803538
Rev. 1

1.0 INTRODUCTION

This document presents OHM Remediation Services Corp. (OHM's) approach to implementing Interim Measures at three Solid Waste Management Units (SWMUs) located at Marine Corps Base (MCB) Camp Lejeune, North Carolina. In accordance with the Statement of Work for this activity, the Site Characterization Work Plan and the Interim Measures Work Plan are combined in this document. This Work Plan covers activities at the following SWMUs:

- SWMU 291- 034 Ditch
- SWMU 310- Former Ponds
- SWMU 358- Sneads Ferry Road Battery Dump (Also referred to as "Borrow Pit")

Subsequent to additional delineation activities at SWMU 291 and SWMU 310, location, excavation of impacted soils, followed by backfill and grading is selected as the appropriate interim measure for these sites. The soil that is removed will be transported to an appropriate landfill for disposal. This document is prepared by OHM for the Department of the Navy, Naval Facilities Engineering Command, Atlantic Division (LANTDIV) under Contract Number N62470-97-D-5000, Task Order 052.

Accompanying plans have been developed for this task order and are to be considered as complementary components to this work plan. They include:

- Environmental Protection Plan (EPP) (included in Section 4.0 of this document)
- Site Specific Health and Safety Plan (SSHSP) Addendum (Appendix A)
- Sampling and Analysis Plan (SAP) (Appendix B)
- Construction Quality Control Plan (CQCP) (Appendix C)

This Work Plan identifies and describes OHM proposed activities as included the following sections:

- Section 1.0 presents an Introduction and Background of the site.
- Section 2.0 presents a description of the Pre-construction Activities including pre-construction submittals and permits.
- Section 3.0 presents the Characterization Plan.

1.2 INTERIM ACTION OBJECTIVES

As indicated, the primary objectives of the interim action for these three SWMUs are additional delineation of impacted soils at two locations, followed by the removal of the delineated soil, proper disposal of the soil, and the subsequent backfilling and restoration of the area. Based on the results of the investigation sampling, any revisions to this Work Plan will be made and a revised submittal will be issued.

Section 3.0 summarizes the investigative activities proposed for SWMU 291 and SWMU 310. Additional detail for this activity is presented in the project SAP. Interim removal procedures are discussed in Section 5.0.

3.0 CHARACTERIZATION WORK PLAN

Additional characterization sampling will first be performed at SWMUs 291 and 310 prior to removal activities. At each SWMU site, four soil borings locations will be randomly selected and recorded on site maps. Three samples will be collected from each boring, at depth intervals of 0-1 foot, 1-2 feet, and 2-3 feet. SWMU 310 consists of two small ponds; four borings will be advanced in each pond. At SWMU 291, borings will be equally spaced along the ditch length. These characterization samples will be the basis for the initial limits of excavation, no additional confirmation samples will be collected if the at depth samples indicate that the contamination is below remedial goals.

There will not be a characterization sampling activity at SWMU 358. Removal of battery carcasses and visually impacted soil will be conducted followed by post-removal sampling. Additional detail is provided in the project SAP.

Summary of Investigative Sampling

Media/Location	Parameter	Sampling Method	Sampling Frequency
<i>Soil/SWMU 291</i>	VOCs SVOCs Pesticides/PCBs TAL Metals	Stainless steel Hand auger Encore sampler for VOCs	4 shallow borings. Sample at 0-1, 1-2, and 2-3 feet in each boring.
<i>Soil/SWMU 310</i>	VOCs SVOCs Pesticides/PCBs TAL Metals	Stainless steel Hand auger Encore sampler for VOCs	4 shallow borings in each pond. Sample at 0- 1, 1-2, and 2-3 feet intervals in each boring.

Upon receipt of the investigation sampling data, the any detectable results will be compared to an applicable action limit as determined using Guidelines for Determining Soil and Groundwater Clean-up Levels at RCRA Hazardous Waste Sites, September 2000, NCDENR. The final excavation limits will be set based on the accepted criteria.

As presented in the guidance, the lower value of either EPA Region IV Residential criteria or NC Site Screening Levels (SSL) will be used as the clean-up standard. The following analytes and clean-up levels have been identified for the project.

ANALYTE	REGION IV RESIDENTIAL (mg/kg)	NC SSL (mg/kg)
TCE	2.8 (2,800 ppb)	.0183 (18.3 ppb)
Cadmium	37	2.72
Nickel	1,600	56.4
Lead	400	270
Lithium	1,600	