

<b>CONTRACT NAME:</b>	<b>Base Environmental Services Contract</b>		
<b>CUSTOMER</b>	<b>US Army Corps of Engineers Savannah District</b>		
<b>CONTRACT NUMBER:</b>	W912HN-04-D-0010	<b>CONTRACT PERIOD OF PERFORMANCE</b>	2004 - 2007
<b>CONTRACT VALUE</b>	\$3.0M	<b>CONTRACT TYPE:</b>	IDIQ FFP

**Contract Summary:**

AH provided broad environmental compliance and program management services to the USACE Savannah District to support Military Ocean Terminal Sunny Point (MOTSU) located in Southport, North Carolina. MOTSU is the primary munitions shipping terminal for the Army and the Air Force. AH staff provided environmental management support in the following program areas: RCRA compliance, asbestos and lead based paint, tank management, storm water management, environmental planning, sampling and analysis, environmental training, pollution prevention and reporting and compliance report, tracking and data base management.

**Environmental Program Management Support, Military Ocean Terminal Sunny Point, NC:**

RCRA Compliance:

AH ensured compliance with MOTSU’s HW program. AH also verified all HW were properly labeled, stored, and disposed and that proper transportation to permitted disposal sites was utilized. AH also performed monthly site visits during a 12-month period to the hazardous waste storage areas and reviewed records in relation to this activity. AH prepared monthly reports after each site visit. AH reviewed all Hazardous Materials (HM) used or purchased at MOTSU for proper disposal according to the Pollution Prevention and Waste Minimization Plans. AH also included, in the reports, a review of the findings and identified potential noncompliance issues as well as recommendations to resolve those issues.

AH performed weekly inspections of all used oil collection sites and tanks in the facility and fuel dispensing centers during the 12-month period. This activity included the disposal activity through licensed vendors. AH documented any findings and identified potential noncompliance issues as well as recommendations to resolve those issues. AH monitored the vehicle wash racks and all wastes generated at these sites. AH submitted weekly reports of those inspections.

Asbestos and Lead Based Paint:

AH reviewed previous asbestos and lead paint surveys and updated the facility’s inventory. AH visually inspected all buildings containing asbestos and performed an annual assessment of material damage or exposure. A report containing these findings was prepared and delivered to MOTSU presenting the asbestos assessment.

AH inspected and determined the presence of lead based paint on any upcoming engineering projects. The findings were submitted at the end of the 12-month period.

### Tank Management Program:

AH inspected the facility's fuel dispensing centers and other environmental sensitive areas within MOTSU on a monthly basis during the 12-month period. AH documented the findings and identified potential noncompliance issues as well as recommendations to resolve those issues. AH performed an annual review and submitted a report that identified changes or amendments as required to following facility plans: Installation Spill Contingency Plan, the Spill Prevention, Control, and Countermeasure Plan, the Hazardous Material and Hazardous Waste Management Plan, the Storm Water Pollution Prevention Plan, and the Pollution Prevention and Waste Minimization Plan. AH determined any equipment needed to meet and/or improve spill response requirements and submitted recommendations in a report. AH provided an inventory of the equipment and its location. As part of the ISCP and SPCC, AH reviewed areas of concern and recommended the adequate materials to quickly and efficiently remediate/contain a release.

### Storm Water Management:

AH inspected the storm water discharge systems at the industrial locations and evaluated their compliance with all regulatory and permit requirements. The inspection was done quarterly during the 12-month period. AH reviewed and amended the Stormwater Pollution Prevention Plan (SWPPP) to reflect compliance or modifications for MOTSU's Industrial Stormwater permit.

AH verified MOTSU's compliance with the NPDES permit at each location. Inspections and report were conducted and submitted to the appropriate state agencies. AH reviewed and submitted renewal permit applications, sampling results, and modifications for MOTSU's NPDES permit.

### Environmental Planning Support:

AH reviewed and updated the following plans/studies included: Integrated Natural Resources Management Plan, drinking water management plans, ECASs and Data calls from MTMC, DA, DoD, EPA and State agencies.

### Sampling and Analysis:

AH conducted required sampling during a 12-month period according to the Safe Drinking Water Act to ensure compliance with State and Federal regulations. These tests were executed as follows; Primary Drinking Water parameters (one/year); Bacteria (monthly during the 12-month period); Trihalomethanes (THM) (quarterly); Nitrate and Nitrite (one/year); and Volatile Organic Chemicals (VOC) (quarterly). AH incorporated test results into MOTSU's database. MOTSU was responsible for obtaining laboratory for performance of testing. These actions included samples from contaminated soil to determine HW characteristics for disposal purposes.

Environmental Training:

AH conducted training for installation personnel on hazardous material handling, transportation, and spill prevention and clean up. AH also provided the required training material to participants to include: Health and Safety/Hazardous Waste Management session (OSHA First Responders Awareness) (one/year); DOT Hazardous Material Transportation (four 4-hour sessions/year); Spill Prevention Plan Training (six 2-hour sessions/year); Storm Water Pollution Prevention Training (six 2-hour sessions/year).

Pollution Prevention and Recycling:

AH reviewed MOTSU's Pollution Prevention Plan, Solid Waste Management Plan and Waste Minimization Plan and Recycling programs and identified innovative ways to reduce both HW and solid waste within 365 days after receiving notice to proceed. AH prepared a brief report on pollution prevention and waste minimization.

Environmental Compliance Reports and Data Management:

AH coordinated with MOTSU's Environmental Engineer in the preparation on environmental compliance reports such as A-106, ISR-2, DSERTS, SWARS and IAP and reviewed reports, engineering plans, and work plans related to environmental compliance/assessment. The estimated number of reports reviewed during a 12-month period is twelve.

AH maintained a database (Microsoft Excel Spreadsheets) to track the regulatory, compliance and execution status of each active MOTSU project/program. This included permits, manifests, EAs, EIS, and natural resources management plans.

**Environmental Assessment and Wetlands Mitigation, Military Ocean Terminal Sunny Point, NC:**

AH prepared an Environmental Assessment for the proposed action to install hardstands that would be serviced by a new rail line and the upgrading and realignment of an existing road. Based on wetland mapping and field surveys it was determined that the proposed hardstands in Firebreak 13 would directly impact jurisdictional waters of the United States, including wetlands in several locations. Based on these findings a follow-up study defined the type and number of acres of wetlands that would be impacted and evaluated various wetland mitigation alternatives. Of the wetland mitigation alternatives evaluated, restoration of the South Disposal Island was determined to most likely meet regulatory requirements and was the preferred mitigation alternative. AH prepared a wetland mitigation plan for the South Disposal Island; the Clean Water Act, Section 404 permit application and Section 401 water certification for the proposed activities; developed a mitigation banking scheme; prepared a Federal Consistency Determination (FCD) on the proposed facilities for submittal to the N.C. Division of Coastal Management; and based on the final site design and requirements for the proposed facilities, finalize the document, "Draft Final Environmental Assessment for Upgrades and Additions to the Ammunition Staging Area".

**Environmental Assessment for Center Wharf Expansion and Construction of Security Towers, Military Ocean Terminal Sunny Point, NC:**

AH developed an Environmental Assessment of the proposed action to expand a wharf and construct four security towers. Project included assessing the impact of the proposed action on existing Red Cockaded Woodpecker and Rough-Leaf Loosestrife habitats and conducting extensive wetland delineations. The project also required extensive coordination with US Army Corps of Engineers Wilmington District and other federal and state agencies.



**Environmental Assessment for Expansion of Ammunition Storage Facilities, Military Ocean Terminal Sunny Point, NC:**

AH worked with the Army to develop an appropriate range of alternatives, drafting the EA, responding to Army comments on the draft EA, corresponding with appropriate government agencies at the Army's request, finalizing the EA, writing the Finding of No Significant Impact (FNSI), and writing and publishing the Notice of Availability when the process was complete.

**Tank Upgrades, Military Ocean Terminal Sunny Point, NC:**

AH installed and/or upgraded several tank and oil/water separator systems. For each upgrade AH prepared an updated SWPPP, SPCC and Tank Management Plan.

**Arial Spraying for Phragmites Control, Military Ocean Terminal Sunny Point, NC**

**Lead Based Paint Assessment and Lead Based Paint Risk Assessment for Fort Johnston Army Family Housing, Military Ocean Terminal Sunny Point, NC:**

AH conducted a lead based paint (LBP) assessment and LBP risk assessment of four housing complexes. The project involved site inspection, sampling and analysis and preparing the assessment report and risk assessment. The risk assessment complied with HUD regulations and 24 CFR part 35.

**Building 14 Demolition, Military Ocean Terminal, Sunny Point, NC:**

AH was contracted to demolish a former locomotive repair facility at MOTSU. Before initiating demolition, AH assessed the fixtures and materials and developed a plan to salvage and provide fixtures for direct reuse and determined the optimum was to stage materials to support recycling. Over 80% of the waste generated in the demolition was recycled.



**Preliminary Study of Turbo Scour Systems, Military Ocean Terminal Sunny Point, NC:**

The purpose of the study was to assess the technical feasibility of installing a Turbo Scour™ system at each wharf in order to prevent or decrease shoaling and the need to periodically dredge to maintain adequate water depth for navigation. The study was also used to obtain expanded

tide and current data that can be used to evaluate shoaling throughout the MOTSU facility. This information helped the Army evaluate the technical and economic merits of the Turbo Scour systems and prepare an environmental permit application should it decide to move forward with the project.

**Former Locomotive Repair Facility, Ground Water Monitoring and Well Installation, So. 1 Disposal and UST Closure, Military Ocean Terminal Sunny Point, NC:**

The project consisted of long term groundwater monitoring at Building 14 and disposal of contaminated sediment. The objective was to comply with North Carolina Environmental regulations for proper closure of underground storage tank at Building 11, Vehicle Fueling Center. Fuel contamination was found in soil during initial removal requiring contaminated soil disposal and groundwater sampling.

Three new monitoring wells (each 2-inch PVC) were installed to adequately characterize the groundwater at the site. The new wells were installed according to NC DENR regulations, to conduct the required long term groundwater monitoring. The new wells augmented three existing monitoring wells at the former Building 14 site. Four rounds (quarterly) of required groundwater samples from three existing wells and three new wells were performed and the results were reported to MOTSU on a quarterly basis. These samples were analyzed following EPA methods.

AH subcontracted for disposal of approximately 32 cubic yards of soil contaminated with diesel fuel from the previous removal action at Building 11, at a licensed disposal facility according to state and federal regulations

Ground water samples were taken from two locations to be representative of ground water conditions in the vicinity of Building 11. Each of these ground water samples were submitted for chemical analyses. The information from this and previous monitoring was used to prepare a Closure Plan which was submitted to MOTSU.

<b>MAJOR SUBCONTRACTORS:</b>			
<b>CLIENT POC:</b>	Ana del Vergara	<b>PHONE:</b>	(912) 652-5835
<b>ADDRESS:</b>	100 W. Olgethorpe Avenue Po Box 889, Savanna, GA 31402-0889	<b>E-MAIL:</b>	Ana.vergara@army.mil
<b>CLIENT POC:</b>	Mr. Richard Lockwood	<b>PHONE:</b>	(910) 457-8603
<b>ADDRESS:</b>	MOTSU	<b>E-MAIL:</b>	

<b>CONTRACTING OFFICER:</b>	Robin Shafer :	<b>PHONE:</b>	(919) 652-5287
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<b>ADDRESS:</b>	100 W. Olgethorpe Avenue Po Box 889, Savanna, GA 31402-0889	<b>E-MAIL:</b>	robin.shafer@army.mil
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