

CONTRACT NAME:	Civil and Military Support Activities to Include Comprehensive Environmental Compliance, Conservation, Pollution Prevention, Restoration, Misc. Sustainment, Modernization and Restoration Support		
CUSTOMER	U.S. ARMY CORPS OF ENGINEERS, MOBILE DISTRICT		
CONTRACT NUMBER:	W91278-07-D-0046	CONTRACT PERIOD OF PERFORMANCE	2007 - 2010
CONTRACT VALUE		CONTRACT TYPE:	IDIQ FFP

Contract Summary:

Industrial Wastewater Process Evaluation Anniston Army Depot, AL:

AH performed a detailed bench-scale evaluation of the industrial wastewater treatment processes employed at the Anniston Army Depot, a major rework facility performing maintenance on both heavy and light-tracked combat vehicles. The wastewater is generated from a variety of metal finishing and electro-plating processes and the preparatory cleaning of disassembled components. The latter includes the steam cleaning of engines, transmissions, and other pieces of equipment.



AH performed bench-scale studies to optimize existing processes in order to meet future NPDES permit limits. AH’s evaluation found that switching from alum to ferric chloride would result in significant improvements in the effluent from the steam cleaning waste water treatment process. The process modifications recommended by AH were placed in service at the existing industrial waste water treatment plant (IWTP), and became the basis of design for a new IWTP.

AH was subsequently tasked to perform a pilot study to determine how to remove the soluble BOD (~75 mg/L) that remained in the IWTP effluent following physical/chemical treatment. BOD removal was needed in order to allow the IWTP effluent to be directly discharged to the receiving stream and free up capacity in the depot’s sewer plant. AH designed, constructed and operated two pilot scale trickling filters. Kinetic coefficients (K-values) were derived and used to design the full-scale trickling filter currently under construction (2009).

Environmental Management System Support, Food and Drug Administration, Bethesda, Maryland:

AH provided comprehensive technical support for the FDA’s initial Environmental Management System (EMS) implementation efforts. The FDA’s EMS program encompasses environmental, occupational health and safety disciplines. AH customized EMS enterprise software to meet the FDA’s EMS reporting and organizational requirements. The EMS is used by FDA headquarters and 20 field offices/labs/facilities. AH provided hazardous material management and EPCRA reporting assistance. AH expanded a chemical inventory database to allow uploading and downloading of Material Safety Data Sheets for products and chemicals. The information

collected will assist FDA develop the required Emergency Planning and Community Right to Know Act (EPCRA) reports. AH developed an automated tracking and notification process for hazardous material spill reporting.

EMS Support, General Services Administration, Washington, D.C.:

AH assisted GSA's National Capital Region implement an enterprise EMS. AH customized EMS software and populated with data, and then deployed the software throughout GSA Washington. The system will meet the GSA's EMS reporting and organizational requirements for the National Capital Region and the Denver Region. AH conducted two training sessions on the EMS system.

Environmental Program Management Support Military Ocean Terminal Sunny Point, North Carolina:

AH provided broad environmental compliance and program management support to 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. Project was from February 2008 to January 2010.

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. The reports included weekly records of the collection and disposal management of activities on the terminal. AH reviewed all Hazardous Materials (HM) used or purchased at MOTSU for proper disposal according to the pollution prevention plan and waste minimization. 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.

AH collected samples and analyzed for disposal for proper HW characteristics. These actions included samples from contaminated soil to determine HW characteristics for disposal purposes. AH was able to identify HWM through Material Safety Data Sheets (MSDS) and generated the waste profile for disposal data. The results were incorporated in the monthly reports.

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.

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