



FORT STEWART AND HUNTER ARMY AIRFIELD

PETROLEUM STORAGE TANK ASSESSMENT AND COMPLIANCE

Fort Stewart and Hunter Army Airfield, Georgia

PROJECT HIGHLIGHTS

CLIENT PROFILE

The U.S. Army Corps of Engineers (USACE) Savannah District oversees various programs at 11 military installations in Georgia and North Carolina and manages the water resources of the Coastal Georgia region. The Savannah District provides expertise and management for a broad variety of disciplines including engineering, architecture, design, construction, master planning, subsurface exploration, hydropower, and environmental stewardship. Fort Stewart and Hunter Army Airfield (HAAF) are home to the 3rd Infantry Division of the U.S. Army. The Fort Stewart/HAAF military complex is the largest armor training facility east of the Mississippi.

PROJECT OVERVIEW

The firm provided assessment and compliance activities for underground and aboveground storage tank (UST/AST) systems at Fort Stewart and HAAF in accordance with 40 CFR 280 and 40 CFR 112 (UST and AST federal regulations). The project also included inspection, leak testing, and maintenance on all UST and AST systems in accordance with American Petroleum Institute (API), Petroleum Equipment Institute (PEI), Steel Tank Institute (STI), and National Fire Protection Association (NFPA) 30 and 30A standards.

CHALLENGES

Although actual tank system repair requirements differed on a regular basis from the project scope of work, close coordination with USACE and the installation stakeholders resulted in successful no-cost contract modifications, allowing for the required repairs within the approved budget.

THE MSE GROUP APPROACH

To help comply with applicable regulations within the budget allotted, the project team developed a scope/cost comparison matrix that was used to conduct trade-off comparisons in real time to facilitate the necessary decisions. The project team of environmental engineers, safety and compliance specialists, and project managers was assembled to provide layered expertise and essential resources. The annual licensure and inspection process was effectively implemented and the project team successfully met the various challenges associated with scoping and scheduling conflicts. Specific activities included monthly inspections and reporting for all UST and AST systems, Veeder-Root automatic tank gauge system maintenance, precision tank and line-tightness testing, interstitial space inspections, sump and float sensor inspections and maintenance, stage 1 vapor recovery testing, and a broad range of tank system repair and component replacement tasks.

ACCOMPLISHMENTS

- Using the scope/cost comparison matrix, the project team accomplished the required repairs within the approved budget.
- The approach to the challenges of this project also led to budget streamlining for the client and one additional month of service at no cost to the government.

AREAS OF EXPERTISE

- Environmental compliance
- UST/AST system inspection, maintenance, and repair

“Contractor has done and exceptional job performing this work. Communication has been excellent as well as quality.”

*–USACE,
Savannah District*

“Exceptional”
Contractor
Performance
Assessment
Ratings for:

- *Quality*
- *Schedule*
- *Cost control*
- *Management*
- *Regulatory compliance*