

Environmental Remediation



PROJECT: Demolition of Underground Fuel Storage Tanks at Marine Corps Air Station Miramar

Service: Environmental Remediation

Client: Department of the Navy - NAVFAC SW Division

Description:

Allied performed the demolition of five (5) 50,000 gallon and two (2) 25,000 gallon Underground Storage Tanks (UST) at Fuel Farm "E" at Marine Corps Air Station (MCAS) Miramar. All UST's were epoxy and fiberglass-lined concrete tanks. The description of each tank is as follows:

- Tank 005, Bldg 7901 - 50,000 Gallon Diesel
- Tank 009, Bldg 7905 - 50,000 Gallon Diesel
- Tank 006, Bldg 7902 - 25,000 Gallon Aviation Fuel
- Tank 010, Bldg 7921 - 50,000 Gallon Diesel
- Tank 007, Bldg 7903 - 25,000 Gallon JP-5 Jet Fuel
- Tank 011, Bldg 7922 - 50,000 Gallon Diesel
- Tank 008, Bldg 7904 - 50,000 Gallon JP-5 Jet Fuel

Allied's scope of work included the excavation and characterization of impacted soils around the tanks and proper disposal, removal and salvage (for owner) of all pump valves and associated hardware, removal and disposal of all above ground piping, meters, vaults, railings and concrete equipment pads, recovery and disposal of residual fuels and sludge left in tanks, cleaning and flushing of all tanks and associated lines, characterization and proper disposal of expended water, installation of geo fabric at the base in existing voices, and backfill and compaction to 95%.

Prior to demolition, Allied developed a Demolition Work Plan, Health and Safety Plan, Quality Control Plan, and an Environmental Management Plan. The Demolition Plan was enacted to define the demolition procedures and schedule based on the scope of work and to outline the incident chain-of-command and training/certifications of Allied personnel that worked during the project. The Demolition Plan also specified both clean and contaminated demolition procedures including specification for on-site soil segregation, stockpiling procedures, off-site transport, impacted soil disposal protocols, and confirmation of soil sampling and analytical procedures.

The demolition phase included surface soil overburden removal and segregation and demolition, removal, salvage, and disposal of bulk tank material, pump valves and associated hardware, above ground piping, meters, vaults, railings and concrete equipment pads. In addition, all appurtenances and lines were cleaned and flushed and residual fuels and sludge were recovered and disposed of off-site.

Regulatory interface was ongoing throughout the project. Allied personnel interacted with Department of Environmental Health regulators and Navy personnel during field visitations and provided all necessary OSHA documentation and postings and daily air monitoring logs for reconciliation. Allied also fielded meetings between Navy and regulatory personnel regarding extent of observed contamination and the potential for extended threats to groundwater.

Best value practices included minimization of waste volume and associated disposal costs via segregation of clean overburden from contaminated soil. Waste characterization samples were also submitted on an analytical 24-hour turnaround basis to minimize delay time in the field. Further, Allied coordinated removal of soil directly into waste hauler trucks versus stockpiling on site to enable rapid procession of site restoration.



PROJECT: Repair Beale West 50 Military Family Housing Units at Beale AFB, CA
Service: Environmental Remediation
Client: Department of the Army - US Army Corps of Engineers Sacramento Division

Allied construction staff associated with this project include, journeymen carpenters, and drywall hangers and finish carpenters, painters and flooring specialists with a full complement of specialty subcontractors for housing construction and restoration activities.

Description:

Allied performed abatement of mold and regulated asbestos containing materials (RACM), various interior and exterior upgrades, roof repairs, installation of new windows and moisture barriers, upgrades to HVAC unit, controls and switches, replacement of interior and exterior doors, ductwork, counters, bathroom fixtures and construction of new subfloors in 50 multi-family housing units located at Beale AFB, CA. The units were located in an older neighborhood which had the presence of lead and asbestos. Throughout the process, Allied was required to monitor work space and discharged air, per OSHA and base environmental guidelines.

The scope of work consisted of the following:

1. Regulatory Compliance;
2. Repairs of exterior and interior damage from leaky faucets/fixtures;
3. Repairs to bathroom features, including faulty fixtures and cabinets;
4. Replacement of HVAC controls, light switches, flooring, window treatments, wood trim;
5. Removal of wet bed tile floors and installation of new marble stone;
6. Installation of new windows and exterior siding, moisture barrier and 3-coat stucco.

Family Housing West restoration required abatement of mold and regulated asbestos containing materials (RACM) and disposal as regulated waste. Following abatement, all structurally compromised framing was removed and replaced. Deficient plumbing was replaced and tested, and new subfloors and new floor coverings were installed.

In addition, Allied reset existing cabinets and fixtures in each bathroom. Allied removed wet bed tile floors and installed new bathroom with marble stone finishes and new tubs and shower pans where required.

