
NAS NORTH ISLAND - NAVY REGION SOUTHWEST
NAVY ENVIRONMENTAL LEADERSHIP PROGRAM

CLEANUP**EXPEDITED UST CLOSURE****LEAD ACTIVITY**

Naval Air Station (NAS) North Island

STATUS

Complete

MISSION

Obtain closure of a leaking Underground Storage Tank (UST) site in the shortest practicable time

DESCRIPTION

NAS North Island completed an expedited characterization, removal, and remediation project for regulatory site closure for an UST site. A cooperative effort facilitated this project and included NAS North Island, Southwest Division Naval Facilities Engineering Command (SWDIV), Naval Command, Control, and Ocean Surveillance Center (NCCOSC), Research, Development, Test, and Evaluation (RDT&E) Division, Public Works Center (PWC) UST removal teams, regulatory agencies, and contractors. This process, which normally requires up to 5 years, was completed and site closure was requested in less than 100 days.

Before the UST was removed, Site Characterization and Analysis Penetrometer System (SCAPS) was used to delineate the extent of soil contamination adjacent to a petroleum UST located at Building 489. The SCAPS work indicated that the extent of soil contamination was limited; therefore, a work plan was prepared for overexcavation of contaminated soil at the time of UST removal. PWC removed the UST and excavated contaminated soil. About 200 cubic yards of contaminated soil was transported to a local thermal desorption facility for treatment. The treated soil was hauled back to the site and used to backfill the UST excavation. No further action is required by the regulatory agencies at this site.

Approximate costs for the expedited UST closure were as follows:

- UST removal and soil excavation cost \$69,000
- Shoring (due to proximity to an aircraft taxiway) cost \$75,000
- Geological interpretations, soil sampling, oversight, planning, reporting, field work, and analyses cost \$80,000
- Contaminated soil transportation and treatment cost \$12,000

BIBLIOGRAPHY

- Tetra Tech EM Inc. (formerly PRC Environmental Management, Inc.) Work Plan for Expedited Environmental Assessment Remediation Services. NAS North Island at Building 489, Tank 489. August 15, 1994.
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- Tetra Tech EM Inc. (formerly PRC Environmental Management, Inc.) Amendment to Bioremediation Section of August 15, 1994, Work Plan. August 23, 1994.
- Tetra Tech EM Inc. (formerly PRC Environmental Management, Inc.) Assessment/Mitigation Report for Building 489, Tank 489. January 3, 1995.
- County of San Diego, Department of Environmental Health, Site Assessment and Mitigation Division. Case Closure Letter for Building 489, Tank 489. February 1996.

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