



**Engineering &
Environmental**
CONSTRUCTION

Email: info@eandeconstruction.com Phone: (714) 897-8705

UNDERGROUND STORAGE TANK REMOVAL CASE STUDY

PROJECT OVERVIEW

Project Name: AES 10,000-Gallon UST Removal

Location: Alamos Energy

Job Type: Underground Storage Tank Removal

DESCRIPTION

E&E was contracted to clean and remove a concrete sump/clarifier. During an initial investigation, it was discovered that the concrete sump/clarifier was in fact a larger, 10,000 gallon, fiberglass, underground storage tank. Once the size and volume were determined, E&E worked with local authorities to obtain the proper permits to safely excavate and remove the UST. Once removed, the excavation site was backfilled with clean soil.



MAIN TASKS

- Erection of protective fencing around proposed excavation site
- Obtain necessary permits to conduct excavation
- Prepare tank for cleaning by using non-sparking tools to cut access holes into tank
- Conduct a triple-rinse of contaminated tank
- Use 5,000 gallon vacuum truck to collect rinsate and haul away for proper disposal
- Excavation and removal of UST
- Sampling of excavation side walls and floor as directed by local fire department for analysis by local laboratory
- Sloping of excavation side walls at 2:1 ratio and installation of high visibility fence for public safety
- Once the site was certified clean, the cut was backfilled and compacted to surrounding grades



CHALLENGES

Safety - Underground high voltage cable ran perpendicular to the excavation site
Coordination - The presence of other contractors, performing work concurrently made scheduling a priority
Training & Permits - Site specific training and permits were needed daily

INTERESTING POINTS

E&E was originally contracted to remove a concrete sump/clarifier. During an initial investigation, it was discovered that the tank was in fact a fiberglass UST and much larger than expected.

ABOUT E&E CONSTRUCTION

Engineering and Environmental Construction (E&E) was founded in 2006 with a primary focus on the installation of environmental remediation systems. Over the years, we've continually expanded our skill-sets to become one of the industry's leading purveyors of full-service construction services – both within the environmental industry and in general construction. Today, we are proud to offer a wide range of highly specialized environmental engineering capabilities and a full-suite of general construction services to support our clients' ever-evolving needs.



STATEMENT OF QUALIFICATIONS

Engineering and Environmental Construction, Inc (E&E) is a privately held corporation established in 2006. E&E's main construction offices are based in Huntington Beach, CA. We are licensed to conduct operations throughout California, Arizona, Nevada, and Washington.

Contractor Licenses and Certifications Include (but aren't limited to):

- Class A General Engineering License
- B General Building License
- C-10 Electrical License
- C-36 Plumbing License
- Hazardous Substances Removal License
- Annual OSHA Excavation & Trenching Certification
- Remedial Action Certification
- SCAQMD Rule 1166 – Various Locations Permit

E&E is recognized as an SBE with many entities, such as the DGS, and we are also pre-cleared by Homeland Security for access to ports and military installations. We maintain a Zero Incident Safety Record and a 0.78 Experience Modification Rate (EMR), among other H&S recognitions.

CONTACT US

Engineering & Environmental Construction, Inc.
7071 Warner Ave., Suite F-404
Huntington Beach CA 92647

Phone: 714 897 8705
Fax: 949 767 5868
Email: info@eandeconstruction.com
www.eandeconstruction.com

