

CASE STUDY

UST Removal

DESCRIPTION

E&E was contracted to expose, clean and remove a 20,000 gallon underground storage tank and associated appurtenances that had been previously used to store and provide diesel fuel for freight trucks. Prior to construction E&E procured the appropriate LA County DPW Removal Permit and filed the relevant SCAQMD 1166 VOC Mitigation Plan notification. Upon mobilization, E&E checked to confirm volume of liquids within the tank, and instead of the trace amounts of diesel expected, E&E discovered approximately 6,000 gallons of diesel present within the tank. The product was pumped and filtered for shipping offsite for use at another owner facility. On initiating the breaking of the overlying hardscape, achieved by peppering and fracturing the concrete & asphalt with a track mounted excavator with breaker attachment, E&E stockpiled the construction debris for eventual off-site disposal. E&E then removed the overburden soil and pea gravel placing it onto visqueen and sampled and analyzed for possible reuse as per the R1166 Mitigation Plan. The tank was subsequently triple rinsed and prepared for the CIH and subsequent removal and destruction. The void space was subsequently filled with clean backfill, to 90% compaction. The surface was then repaved with approximately 2,600 sf of 6" thick hot-rolled asphalt.

MAIN TASKS

- Permitting and notifications.
- Coordinating with regulatory agencies.
- Prepare all necessary site-specific Health and Safety plans, JSA's and related documentation.
- Breaking and removal of surface materials.
- Excavate to spring line, stockpiling spoils onto visqueen.
- Identify any contents and dispose appropriately.

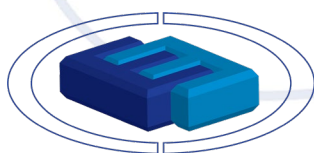
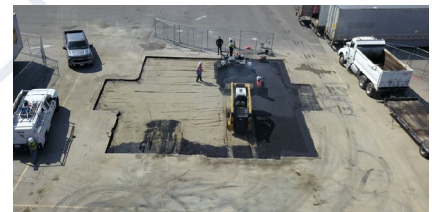
- Triple rinse and dispose of rinseate.
- Pull tank, using crane, per the approved lift plan.
- Mark UST with CIH permit and transport for destruction.
- Backfill, compact and resurface.

CHALLENGES

UST Contents – Initially it was expected for there to be only a small amount of residue in the tank bottom, but on inspection there were 6,000 gallons of diesel fuel in the vessel. We pumped and filtered the newfound fuel for reuse by the client at another of its facilities.

INTERESTING POINTS

E&E was originally contracted to remove a steel walled UST. On excavation, it was discovered that the tank was in fact a fiberglass UST. E&E was able to react accordingly and modify its approach to complete the project without creating an adverse impact on the client's schedules.



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CONSTRUCTION

Call +1 714 897 8705

info@eandeconstruction.com

www.eandeconstruction.com

