
EXECUTIVE SUMMARY

One underground storage tank was removed at Building 4301.0, Little Mountain Test Annex, an off-base facility operated by Hill Air Force Base (HAFB). The presence of total petroleum hydrocarbon and other petroleum components was detected in one of the two closure samples collected after the removal of the UST at Site 4301.0 (EHDL). The contamination was reported to the Division of Environmental Response and Remediation (DERR) and a Reporting and Remediation Schedule for the site was issued to HAFB. The site is identified by the Utah Department of Environmental Quality as leaking underground storage tank site EHDL.

Petroleum contamination was detected in the southwest end of the tank pit; total petroleum hydrocarbon was present at the concentration of 4,800 milligrams per kilogram (mg/kg), benzene at 5.16 mg/kg, toluene at 171 mg/kg, ethylbenzene at 51.0 mg/kg, and xylenes at the concentration of 723 mg/kg. The tank pit was excavated to the approximate depth of 12 feet and approximately 30 cubic yards of contaminated soil were properly stockpiled at the Little Mountain Test Annex. Soil contamination is still present in the southwest area of the former tank pit. The tank pit was filled with clean backfill material until additional site investigation could be performed.

The depth to groundwater beneath the site is unknown but is estimated to be present between 60 feet and 80 feet below the ground surface. Regional surface drainage and inferred groundwater flow direction is toward the Great Salt Lake.

No wells are present within a radius of 1,400 feet of the site. The nearest surface water is the Ogden Bay Waterfowl Management area approximately one mile south, and Ogden Bay and Bear River Bay of the Great Salt Lake about one mile west of the site. The areas should not be impacted by any contamination that may be present beneath the site.

The risk of exposure to the surrounding population or environment is minimal considering the remote location of the site and moderately deep occurrence of groundwater beneath the site.

A subsurface investigation should be performed to define the extent of contamination beneath the site. Three to six soil borings should be drilled and sampled and one monitoring well installed and the groundwater sampled to determine soil contamination concentrations and the impact to groundwater beneath site 4301.0 (EHDL), if any.

Engineering-Science, Inc. was contracted by the Operational Contracting Office, HAFB on behalf of Environmental Management Directorate to prepare this Abatement and Initial Site Characterization Report. Information concerning tank removal activities was obtained from HAFB records. The status of the site is presented in the format established by the DERR and the report presents the information required in that document, Federal rule Title 40 Code of Federal Regulations Part 280 Subpart F, and the Reporting and Remediation Schedule issued for the site.