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Manual
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Engineering and Design
REMOVAL OF UNDERGROUND STORAGE TANKS (USTs)

1. **Purpose.** The primary purpose of this Engineer Manual (EM) is to provide practical guidance for removal of underground storage tanks (USTs). The manual addresses site evaluation, monitoring, testing, removal, and site restoration. A secondary purpose is to provide information relative to remediation of contaminated soil and groundwater.
2. **Applicability.** This EM applies to all USACE commands having Civil Works and/or Military Programs with hazardous, toxic, or radioactive waste (HTRW) project responsibilities.
3. **References.** References are provided in Appendix A.
4. **Distribution.** Approved for public release, distribution is unlimited.
5. **Discussion.** This manual addresses tanks subject to Resource Conservation and Recovery Act (RCRA) Subtitle I underground storage tanks requirements, and is not intended for use in the management of tanks that have stored RCRA Subtitle C hazardous wastes. Each UST project progresses through an orderly sequence of phases. These phases include initial data gathering, initial field investigations, tank removal, and site remediation. This manual is intended to guide qualified technical personnel through the activities associated with each phase and provides steps for preparing UST removal contract documents. This EM will help the designer to incorporate the proper requirements into the project documents.

FOR THE COMMANDER:



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5 Appendices
(See Table of Contents)

This manual supersedes EM 1110-3-178, dated 31 August 1993.