

CHAPTER 1

INTRODUCTION

1-1. PURPOSE.

This manual provides guidance for the effective operation and maintenance of swimming pools and associated equipment at Army Installations by personnel assigned to the Directorate of Engineering and Housing organization. It may be used as a general reference source in related training programs. This manual does not replace nor modify manufacturers' instructions on specific equipment. Objectives are to achieve sanitary and efficient operation and maintenance of swimming pools and to eliminate hazards to life and property.

1-2. REFERENCES.

Appendix A contains a list of references used in this document.

1-3. APPLICATIONS.

This manual describes, and provides guidance relating to,

- a. The various type of swimming, wading, and spray pools at Army installations.
- b. The operation and maintenance of:
 - (1) Swimming and wading pools.
 - (2) Water treatment facilities.
 - (3) Piping system components.
 - (4) Water heating equipment.
 - (5) Ventilation and dehumidifying equipment.
 - (6) Safety equipment.
 - (7) Electrical wiring, lights, and equipment.
- c. Management of Pools and Equipment.
- d. Observance of water quality standards and tests in accordance with TB MED 575.

1-4. MORALE.

Swimming is one of the best forms of exercise for im-

proving muscle tone and body coordination, and it is also an excellent means of recreation. For these reasons and the fact that the lives of military personnel may sometimes depend on their ability to swim, swimming is strongly encouraged.

1-5. HEALTH.

Although there is little evidence that swimming pools present a significant health hazard, disease can be spread by contaminated swimming pool water or by contact with contaminated objects or persons in the pool or pool area. Some of the illnesses known to be spread by contaminated water are: colds and respiratory infections, typhoid fever, amoebic and bacillary dysentery, cholera, diarrhea, hookworm, tapeworm, infectious hepatitis, intestinal disorders, and miscellaneous eye, ear, nose, throat, and skin infections. Therefore, it is highly important to eliminate organisms which cause these diseases from swimming pool water.

1-6. ENERGY CONSERVATION POLICY.

All military swimming pool installations should have a management improvement program that includes policies and guidelines relating to the efficient use and conservation of utilities. Such programs are offered by the National Swimming Pool Institute and various swimming pool manufacturers. Conservation measures should be implemented by supervisory, operating, and maintenance personnel. The importance of using, adjusting, and maintaining equipment properly cannot be overemphasized.