

CEMP-ET

DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers
Washington, D.C. 20314-1000

ETL 1110-3-465

Technical Letter
No. 1110-3-465

26 August 1994

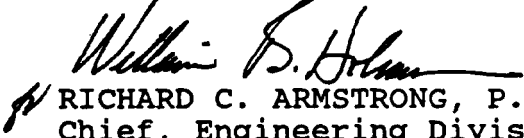
Engineering and Design
DESIGN AND CONSTRUCTION OF WATER METERS
AND APPURTENANCES AT NEW ARMY FACILITIES

1. Purpose. This letter provides basic criteria and information pertaining to the design of water meters and appurtenances at new Army facilities.
2. Applicability. This letter applies to all HQUSACE elements, major subordinate commands (MSC), districts, laboratories and field operating activities (FOA) having Army military construction and design responsibility.
3. Objective. In the past, there has been no Army-wide policy requiring water meters for general construction. However, Public Law 102-486, entitled Energy Policy Act of 1992, Section 123, "Energy Conservation Requirements for Certain Lamps and Plumbing Devices" now requires that energy conservation and water management provisions be included in new design and construction projects nationwide. Water utility metering is a simple, efficient and inexpensive method to better manage critical water resources. Water metering at individual building connections or within water system zones can provide the means for establishing water conservation guidelines and help determine areas of excess demand caused by water consumption or leakage. This ETL establishes policy for the installation of meters in water supply and distribution systems, and has been prepared to provide designers with the guidance needed for design and construction of such devices. The policy will apply to all new Army projects.
4. Action. The guidance included in Appendix A to this technical letter will be used for planning, design and construction of water meters and appurtenances for new Army facilities.
5. Implementation. This technical letter will have immediate application, as defined in paragraph 6c, ER 1110-345-100.

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FOR THE DIRECTOR OF MILITARY PROGRAMS:

1 Appendix
APP A - Design and
Construction of Water
Meters and Appurtenances
at New Army Facilities


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