

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

EM 1110-3-163

DAEN-ECE-G

Engineer Manual
No. 1110-3-163

9 April 1984

Engineering and Design
WATER SUPPLY, WATER STORAGE
Mobilization Construction

1. Purpose. This manual provides guidance in determining water storage requirements for U.S. Army mobilization facilities.
2. Applicability. This manual is applicable to all field operating activities having mobilization construction responsibilities.
3. Discussion. Criteria and standards presented herein apply to construction considered crucial to a mobilization effort. These requirements may be altered when necessary to satisfy special conditions on the basis of good engineering practice consistent with the nature of the construction. Design and construction of mobilization facilities must be completed within 180 days from the date notice to proceed is given with the projected life expectancy of five years. Hence, rapid construction of a facility should be reflected in its design. Time-consuming methods and procedures, normally preferred over quicker methods for better quality, should be de-emphasized. Lesser grade materials should be substituted for higher grade materials when the lesser grade materials would provide satisfactory service and when use of higher grade materials would extend construction time. Work items not immediately necessary for the adequate functioning of the facility should be deferred until such time as they can be completed without delaying the mobilization effort.

FOR THE COMMANDER:


PAUL F. KAVANAUGH
Colonel, Corps of Engineers
Chief of Staff