Expiration of this ECB is extended to 21 September 2012 under the direction of JAMES C. DALTON, P.E., Chief, Engineering and Construction, Directorate of Civil Works. The point of contact for this ECB is Pete Rossbach, CECW-CE, 202-761-4352.



## **ENGINEERING AND CONSTRUCTION BULLETIN**

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of Engineers.

**Issuing Office: CECW-CE** 

**Issued: 04 Dec 2007** 

Subject: EM 1110-2-6053, Earthquake Design and Evaluation of Concrete Hydraulic Structures

Applicability: Guidance

1. Purpose: This bulletin announces the availability of EM 1110-2-6053 for use in earthquake design and evaluation of concrete hydraulic structures. EM 1110-2-6053 can be downloaded from the Publications of the Headquarters, United States Army Corps of Engineers: <a href="http://www.usace.army.mil/publications/">http://www.usace.army.mil/publications/</a>

2. Background: This manual provides guidance for performance-based design and evaluation of concrete hydraulic structures (CHS). It introduces procedures that show how to design or evaluate a CHS to have predictable performance for specified levels of seismic hazard. Traditional design and evaluation procedures may still be used for feasibility and screening purposes. However, critical facilities should follow the design and evaluation procedures of this manual to prevent sudden collapse, to limit damage to repairable level, or to maintain functionality immediately after the earthquake.

3. Applicability: This manual applies to all USACE commands having responsibilities for civil works projects.

4. Distribution: This manual is approved for public release. Distribution is unlimited.

5. POC: The HQUSACE point of contact for this bulletin is Ms. Anjana Chudgar, CECW-CE, 513-684-6210

//S// JAMES C. DALTON, P.E. Chief, Engineering and Construction Directorate of Civil Works