



DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD

4800 MARK CENTER DRIVE, SUITE 16E12
ALEXANDRIA, VIRGINIA 22350-3606

APR 22 2019

DDESB-PD

MEMORANDUM FOR US ARMY CORPS OF ENGINEERS, ENGINEERING AND
SUPPORT CENTER, HUNTSVILLE

SUBJECT: Approval of 7-Bar Structural Strength Designation for Standard Series 421-80-10
Modular Storage Magazine

- References:
- (a) Department of the Army, U. S. Army Corps of Engineers, Engineering and Support Center, Huntsville, CEHNC-ED Memorandum for Department of Defense Explosives Safety Board, Policy Development Division (Mr. Bill Zehrt), 4800 Mark Center Drive, Suite 16E12, Alexandria, VA 22350, SUBJECT: Proposed 7-Bar Standard Earth Covered Magazine (ECM) Series 421-80-10, Modular Storage Magazine (MSM), Box-Type Flow-Thru, 11 March 2019
 - (b) Modular Storage Magazine, Box-Type Flow-Thru Std 421-80-10, U. S. Army Corps of Engineers, Huntsville Center, March 2019 (28 drawing sheets)
 - (c) Defense Explosives Safety Regulation 6055.09, Edition 1, 13 January 2019
 - (d) DDESB Technical Paper 15, "Approved Protective Construction," Revision 3, May 2010

As requested by reference (a), we have reviewed the reference (b) drawings for compliance with Department of Defense explosives safety criteria, as provided in reference (c). Based on our evaluation, the reference (b) design is approved as a 7-bar earth-covered magazine and, in accordance with reference (d), may be sited as an exposed site from potential explosion sites storing up to 500,000-lbs Hazard Division 1.1 explosives.

The reference (b) design will be added to Table AP 1-1 of reference (d) as approved for new construction.

The point of contact for this action is Mr. William Zehrt, (571) 372-6778, DSN 372-6778, e-mail: william.h.zehrt2.civ@mail.mil.



THIERRY L. CHIAPELLO
Executive Director

cc:

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