



REPLY TO
ATTENTION OF

SJMAC-ESM

DEPARTMENT OF THE ARMY
US ARMY DEFENSE AMMUNITION CENTER
1 C TREE ROAD
MCALESTER OK 74501-9053

07 AUG 2007

MEMORANDUM FOR Joint Powers Authority (Mr. Richard L. Satkin, Senior Project Manager, MATRIX Environmental Services, LLC.), 180 Headquarters Drive, Building 61, Anniston, AL 36205

SUBJECT: Amendment 2 to the Explosive Safety Submission (ESS) for Portions of Alpha and Bravo Munitions Response Areas, Fort McClellan, AL.

1. References:

- a. Memorandum, DDESB, DDESB-PE, 23 July 2007, subject: SAB. (enclosed)
 - b. Memorandum, USATCES, SJMAC-ES, 1 May 2007, subject: U.S. Army Technical Center for Explosive Safety (USATCES) Approval for Initiating Amendment 2 to the Explosive Safety Submission (ESS) for Portions of Alpha and Bravo Munitions Response Areas, Fort McClellan, AL.
 - c. DOD 6055.9-STD, Ammunition and Explosives Safety Standards, 5 October 2004.
2. Reference 1a provides DDESB final approval and imposes no new conditions. Reference 1.b. provided interim Army approval for initiating the response prior to final DDESB approval.
3. Point of contact (POC) is Karl J. Raue, SJMAC-ESM, DSN 956-8122, (918) 420-8122, FAX 8503, karl.raue@dac.army.mil.

FOR THE DIRECTOR:

Encl
as

CLIFFORD H. DOYLE
MEC Team Leader
Explosives Safety Knowledge,
OE and Chemical Division
US Army Technical Center for Explosives Safety

CF:(w/encl):

Office of the Director of Army Safety (DACS-SF/Mr. Patton), 223 23rd Street, Crystal Plaza 5, Suite 980, Arlington, VA 22202

Office of the Assistant Secretary of the Army for Installations & Environment), (Asst. for Munitions) (DESOH/Mr. King), 110 Army Pentagon, Washington, DC 20310-0110

Department of Defense Explosive Safety Board, (DDESB-PE) 2461 Eisenhower Avenue, Alexandria, VA 22331-0600

Headquarters, Department of the Army, ATTN: DAIM-BD (Mark Haughs), 600 Army Pentagon, Washington DC 20310-0600



**DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD
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DDESB-PE

JUL 23 2007

MEMORANDUM FOR DIRECTOR, DEFENSE AMMUNITION CENTER
ATTENTION: SJMAC-ESM

SUBJECT: Amendment 2 to the Explosives Safety Submission (ESS) for Portions of Alpha and Bravo Munitions Response Areas, Fort McClellan, AL

References: (a) DAC SJMAC-ESM Memorandum, 12 March 2007, Subject: Transmittal of Amendment 2 to the Explosives Safety Submission (ESS) for Portions of Alpha and Bravo Munitions Response Areas, Fort McClellan, AL.

(b) DoD 6055.9-STD, DoD Ammunition and Explosives Safety Standards, 5 October 2004

(c) DDESB-PE Memorandum, 16 May 2006, Subject: Explosives Safety Submission (ESS) for Portions of Alpha and Bravo Munitions Response Areas, Fort McClellan, AL

(d) DAC SJMAC-ESM Memorandum, 6 July 2006, Subject: Amendment 1 to the Explosives Safety Submission (ESS) for Portions of Alpha and Bravo Munitions Response Areas, Fort McClellan, AL

(e) E-mail Correspondence from Mr. Karl Raue, DAC, 10-16 July 2007, Subject: FT McClellan Alpha & Bravo MRAs, Amendment 2

The DoD Explosives Safety Board (DDESB) Staff reviewed the subject ESS amendment provided via reference (a), against the requirements at reference (b) and the DDESB approvals at references (c) and (d). Based on the information provided at reference (a), as clarified via reference (e), we approve Amendment 2 to the ESS for removal of munitions and explosives of concern (MEC) within portions of the Alpha and Bravo munitions response areas (MRAs) at the former Fort McClellan, Anniston, AL. The amendment expands the munitions response site (MRS) centered on the Industrial Access Road (IAR), changes the minimum separation distance for the west side of the IAR and the Southern Alpha and MRS-1 (formerly called the area south of Bains Gap Road), and adds an explosives storage magazine within the Bravo MRA. This approval is based on the following:

a. A BATF Type II portable magazine with attached box is approved for storage of up to 100 pounds net explosive weight (NEW) of Hazard Division (HD) 1.1 materials. The magazine will be used to store recovered MEC and will be located on the Bravo MRA.

(1) Based on Figure 3-2 of reference (a), the magazine will be located at a distance of 500 feet (ft) from the detonation site approved via reference (d).

(2) Required inhabited building distance (IBD) from the magazine is 658 ft.

(3) The magazine will be grounded for electrical and lightning protection.

b. The size of the IAR area (MRS-2) is increased from 55 acres to 530 acres. The portions of MRS-2 designated as part of the McClellan Park System will undergo MEC removal to one foot depth. Areas not designated as part of the McClellan Park System will undergo removal to depth of detection. The same MEC detection and removal methods discussed in the previous approvals will be used.

(1) The munition with the greatest fragmentation distance (MGFD) for the area west of IAR is changed to the 37mm HE Mk II projectile. Per reference (a), a minimum separation distance (MSD) of 980 ft will be applied to both, intentional and unintentional detonation activities within the west side of the IAR.

(2) The MGFD for the area east of the IAR will continue to be the 81mm M43 HE Mortar, as established at reference (c). The MSDs approved via reference (c) for this are continue to apply.

c. The MGFD for the Southern Alpha sites (except site M5-1L) and MRS-1 is changed to the 37mm HE Mk II projectile. The MSD for this MGFD discussed above will be applied to both, intentional and unintentional detonation activities within these sites.

d. Per reference (a), of the structures shown inside the MSD arcs, only one is used. The building is used occasionally by the MEC response contractor for storage of inert materials. Per reference (e), procedures are in place to ensure the facility is not occupied when encumbered by the MSD from an active work grid.

e. Other provisions of the ESS approved via references (c) and (d) not modified by this amendment continue to apply.

The point of contact for this action is Ms. Lydia E. Sanchez, (703) 325-1373, DSN 221-1373, E-mail address Lydia.Sanchez@ddesb.osd.mil.


TL CHIAPELLO FOR
 CURTIS M. BOWLING
 Acting Chairman
 DDESB