



REPLY TO  
ATTENTION OF

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

SJMAC-ESM

09 AUG 2006

MEMORANDUM FOR Jeff Viebrock, P.G., ECC, 4825 University Square, Suite 3, Huntsville, AL 35816

SUBJECT: Amendment 1 to the Explosives Safety Submission (ESS) for Portions of Alpha and Bravo Munitions Response Areas, Fort McClellan, AL

1. References:

a. Your memorandum, 29 Jun 06, subject: Amendment to Conventional Explosive Safety Submission, McClellan.

b. AR 385-64, U.S. Army Explosives Safety Program, 28 November 1997.


c. Memorandum, Department of Defense Explosives Safety Board, DDESB-PE, 7 Aug 06, SAB (encl).

2. The subject ESS transmitted by reference 1.a. has been reviewed in accordance with reference 1.b. Reference 1.c. reiterates the basic provisions of the amendment and provides DDESB approval for changing the clearance method for the area south of Bains Gap Road from surface only, to clearance to depth and increasing the size of the clearance area from 8.5 acres to 108 acres. This approval will be made part of the administrative record for the site.

3. The POC is Mr. James Toburen, SJMAC-ESM, DSN 956-8784, or COMML (918) 420-8784, email james.toburen@dac.army.mil.

FOR THE DIRECTOR:

Encl  
as

  
CLIFFORD H. DOYLE  
OE Team Leader  
Explosives Safety Knowledge,  
OE and Chemical Division

CF (w/encl):

Office of the Director of Army Safety (DACS-SF/Mr. Proper), 2211 South Clark Street,  
Room 980, Arlington, VA 22202

Office of the Deputy Assistant Secretary of the Army for Environment, Safety, and Occupational Health, (DASA-ESOH/Mr. King), 110 Army Pentagon, Washington, DC 20310-0110



**DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD  
2461 EISENHOWER AVENUE  
ALEXANDRIA, VIRGINIA 22331-0600**

AUG 07 2006

DDESB-PE

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

SUBJECT: Amendment 1 to the Explosives Safety Submission (ESS) for Portions of Alpha and Bravo Munitions Response Areas, Fort McClellan, AL

References: (a) DAC SJMAC-ESM Memorandum, 6 July 2006, Subject as above

(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) E-mail Message from Mr. James Toburen, DAC SJMAC-ESM, to Ms. Lydia  
Sanchez, DDESB Staff, 31 July 2006, Subject: RE: Fort McClellan, Bains Gap  
Road, ESS Amendment, Army Interim Approval

The DoD Explosives Safety Board (DDESB) Staff reviewed the subject ESS amendment provided via reference (a), against the requirements at reference (b) and the approved ESS at reference (c). Based on the information provided, amendment 1 to the ESS for removal of munitions and explosives of concern (MEC) from the Bains Gap Road Munitions Response Site (MRS) at the former Fort McClellan, Anniston, AL is approved. This approval is based on the following:

a. Removal-to-depth of MEC will be conducted within the Bains Gap Road MRS. Per reference (a), the size of the area to be addressed as the Bains Gap Road MRS is increased from the previously identified 8.5 acres to 108 acres.

b. The munition with the greatest fragmentation distance (MGFD) is the M43 81mm HE Mortar.

(1) The minimum separation distance (MSD)/exclusion zone (EZ) for intentional detonations is 1,395 feet. This MSD/EZ may be reduced to 200 feet when using the DDESB-approved sandbag or water containment blast and fragment mitigation methods.

(2) The IBD for accidental detonation activities is 230 feet. When using the miniature open front barricade (MOFB), this distance may be reduced to 200 feet to the sides, top and rear of the MOFB, but remains at 230 feet to the front.

*Encl*

c. The intentional detonation area will be located within the Bravo Munition Response Area (MRA), south of the Bains Gap Road MRS and will be used for destruction of MEC from the Alpha, Bravo and Bains Gap Road MRAs. Per reference (d), demolition materials will be brought to the site as needed and will not be stored on site.

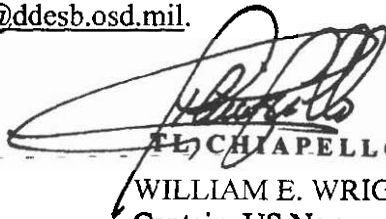
(1) An MSD/EZ of 1,701 feet will be applied, based on the 75mm HE projectile. This item is the MGFED for a sector of the Alpha MRA. Per reference (a), this item has the largest net explosive weight and maximum fragment distance of the items to be processed at this detonation site.

(2) The MSD/EZ may be reduced to 200 feet when using the DDESB-approved sandbag or water containment blast and fragment mitigation methods.

d. Personnel unrelated to explosive operations will be provided IBD-level protection from the explosive hazards at the sites. Engineering controls and/or evacuation procedures will be implemented when explosive arcs encumber personnel or property unrelated to the explosive operations. Per reference (c), as removal actions are completed and redevelopment proceeds, security controls will be adjusted to continue to limit access to MEC areas. Per reference (d), of the structures shown inside the EZ arc only one is used (Lide Hall, located on the northwest corner of the EZ) and will be evacuated when encumbered by the EZ from an active work grid.

e. Other provisions of the ESS approved via reference (c) 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](mailto:Lydia.Sanchez@ddesb.osd.mil).



FL CHIAPELLO FOR  
WILLIAM E. WRIGHT  
Captain, US Navy  
Chairman