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

REPLY TO
ATTENTION OF

JMAC-ESM

26 January 2010

MEMORANDUM FOR U.S. Army Engineering and Support Center, Huntsville, (CEHNC-CX-MM/Mr. Zange or Mr. Becker), P.O. Box 1600, Huntsville, AL 35807-4301

SUBJECT: DDESB Approval of Request for Approval for an Explosives Siting Plan (ESP) for Munitions and Explosives of Concern (MEC) Sampling in Charlie Area at Fort McClellan, AL

1. References:

a. Memorandum, U.S. Army Engineering and Support Center, Huntsville, (CEHNC-CX-MM/Mr. Becker or Mr. Zange), 5 Jan 10, subject: Explosives Siting Plan (ESP), Supplemental Munitions and Explosives of Concern (MEC) Sampling, Charlie Area, Fort McClellan, Anniston, AL, January 2009.

b. DOD 6055.09-STD, Ammunition and Explosives Safety Standards, 29 Feb 08 with Change 2 dated 21 Aug 09.

c. Memorandum, Department of Defense Explosives Safety Board, DDESB-PE, 22 Jan 10, SAB (encl).

2. The subject ESP transmitted by reference 1.a has been reviewed in accordance with reference 1.b. Reference 1.c provides Department of Defense Explosives Safety Board (DDESB) final approval. 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, commercial (918) 420-8784, email james.toburen@us.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

Printed on Recycled Paper

JMAC-ESM

26 January 2010

SUBJECT: DDESB Approval of Request for Approval for an Explosives Siting Plan (ESP) for Munitions and Explosives of Concern (MEC) Sampling in Charlie Area at Fort McClellan, AL

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

Office of the Assistant Chief of Staff for Installation Management, Base Realignment and Closure Office (DAIM-BD/Mr. Haughs), 600 Army Pentagon, Washington, DC 20310-0600

U.S. Army Corps of Engineers (CESO/Ms Roberts), 441 G Street, NW, Washington, DC 20314-1000

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

DDESB-PE

JAN 22 2010

MEMORANDUM FOR DIRECTOR, U.S. ARMY DEFENSE AMMUNITION CENTER
ATTENTION: JMAC-ESM

SUBJECT: DDESB Approval of Request for Approval for an Explosives Siting Plan for Munitions and Explosives of Concern Sampling, Charlie Area, Fort McClellan, AL

References: (a) DAC JMAC-ESM Memorandum, 11 January 2010, Subject: Request for Approval for an Explosives Siting Plan (ESP), for Munitions and Explosives of Concern (MEC) Sampling in Charlie Area at Fort McClellan, AL

(b) DoD 6055.09-STD, DoD Ammunition and Explosives Safety Standards, 29 February 2008, Incorporating Change 2, 21 August 2009

(c) DDESB-PD Memorandum of 25 September 2009 Subject: DDESB Approval of Minimum Separation Distances to Non-Essential Personnel When Using the DDESB-Approved Consolidated Shot Method

(d) DDESB TP-15, Approved Protective Construction, Version 2.0, June 2004

(e) DDESB TP-16, Methodologies for Calculating Primary Fragment Characteristics, Revision 3, 1 April 2009

The Department of Defense Explosives Safety Board (DDESB) Staff has reviewed the subject explosives siting plan (ESP) forwarded by reference (a) against the requirements of reference (b). Based on the information provided, approval is granted for the removal and disposal of material potentially presenting an explosive hazard (MPPEH) and munitions and explosives of concern (MEC), Charlie Area, Fort McClellan, AL. This approval is based on the following:

a. The effort addressed in this ESP involves manual operations, mechanized operations using anomaly avoidance operations and intentional detonations to augment the remediation efforts previously approved for the Choccolocco Area.

b. The attached Table lists the munition with the greatest fragmentation distance (MGFD) for Munition Response Area (MRA) 1, 2, 3, 4, 5 and 6; the team separation distance (TSD); the minimum separation distance (MSD) for unintentional detonations for nonessential personnel; and the MSD for intentional detonations for nonessential personnel.

c. Collection points and consolidated shots are authorized provided the Army ensures usage of reference (c).

d. The use of the Open Front Barricade and Miniature Open Front Barricade are authorized as engineering controls for unintentional detonations operations involving the MEC identified in reference (a) provided the Army ensures usage per reference (d), paragraph C6.2.4.8.

e. The use of sand bags, water mitigation systems and earth tamping are authorized as engineering controls for intentional detonation operations involving the MEC identified in reference (a) provided the Army ensures usage per reference (d), paragraph C6.2.4.8 and reference (e), as applicable.

f. Demolition explosives per reference (a) will be stored at DDESB approved locations.

g. Prior to initiation and through completion of on-site explosives operations, all nonessential personnel will be evacuated and prevented from entering any area/facility encumbered by the MSD required for the operation being conducted, or explosives operations will be suspended if nonessential personnel enter the MSD.

h. MPPEH will be inspected and classified as material documented as safe prior to release to the public.

If changes occur during or after completion of this effort that could increase explosive hazards to site workers or the public due to the presence of military munitions at the site, an amendment to this ESS must be submitted to DDESB for review and approval.

The point of contact for this action is Mr. Tony Dunay, (703) 325-3513, DSN 221-3513, E-mail address: tony.dunay@ddesb.osd.mil.

E. Aleshire for
CURTIS M. BOWLING
Chairman
DDESB

Attachment
As stated

TABLE

MRA	MGFD	TSD[1] (ft)	MSD[2] (ft) unintentional detonation	MSD[3] (ft) intentional detonation
Areas 1 and 5	155mm M107 Projectile	112	447	2,577
Areas 2, 3 and 4	81mm M43 Mortar	49	230	1,395
Area 6	75mm Mk1 Shrapnel Projectile	18	200	743

[1] Based on K40 of MGFD
[2] For nonessential personnel based on the hazardous fragment distance of the MGFD
[3] For nonessential personnel based on the maximum fragment distance of the MGFD

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

REPLY TO
ATTENTION OF

JMAC-ESM

11 January 2010

MEMORANDUM FOR Department of Defense Explosives Safety Board (DDESB-PE/Mr. Alchowiak), 2461 Eisenhower Avenue, Alexandria, VA 22331-0600

SUBJECT: Request for Approval for an Explosives Siting Plan (ESP) for Munitions and Explosives of Concern (MEC) Sampling in Charlie Area at Fort McClellan, AL

1. References:

a. Memorandum, U.S. Army Engineering and Support Center, Huntsville, (CEHNC-CX-MM/Mr. Becker or Mr. Zange), 5 Jan 10, subject: Explosives Siting Plan (ESP), Supplemental Munitions and Explosives of Concern (MEC) Sampling, Charlie Area, Fort McClellan, Anniston, AL, January 2009.

b. DOD 6055.09-STD, Ammunition and Explosives Safety Standards, 29 Feb 08 with Change 2 dated 21 Aug 09.

c. Memorandum, Department of Defense Explosives Safety Board, DDESB-KO, 28 Aug 03, subject: Explosives Safety Submission (ESS) for the Choccolocco Area Fish and Wildlife (FWS) Land Transfer at Fort McClellan, Alabama.

d. Memorandum, Department of Defense Explosives Safety Board, DDESB-KO, 3 Feb 04, subject: Amendment 1 to the Conventional Explosives Safety Submission for Ordnance and Explosives (OE) Removal Action for the Choccolocco Area at Fort McClellan, Alabama.

e. Memorandum, Department of Defense Explosives Safety Board, DDESB-KO, 26 Oct 05, subject: Amendment 2, Explosives Safety Submission (ESS) Munitions and Explosives of Concern Removal Action, Choccolocco Area, Fort McClellan, Alabama.

f. Our memorandum, 28 Nov 05, subject: Correction 1 to Amendment 2, Explosives Safety Submission (ESS) Munitions and Explosives of Concern Removal Action, Choccolocco Area, Fort McClellan, Alabama with Amendments 1 and 2.

g. Memorandum, Department of Defense Explosives Safety Board, DDESB-PE, 13 Feb 09, subject: DDESB Approval of Request for Approval for Amendment 3 to an Explosives Safety Submission (ESS) for the Choccolocco Area Removal Action at Fort McClellan, AL.

Printed on Recycled Paper

JMAC-ESM 11 January 2010

SUBJECT: Request for Approval for an Explosives Siting Plan (ESP) for Munitions and Explosives of Concern (MEC) Sampling in Charlie Area at Fort McClellan, AL

h. Memorandum, Department of Defense Explosives Safety Board, DDESB-PE, 30 Jun 09, subject: DDESB Approval of Request for Approval for Amendment 4 to an Explosives Safety Submission (ESS) for Choccolocco Area Removal Action at Fort McClellan, AL.

2. Reference 1.a with attached ESP is provided for your review IAW with chapter 12 of reference 1.b. We have reviewed the ESP and find it acceptable as written. Please furnish your comments and/or approval to us by 16 Feb 10, so we can make any changes required and forward final approval.

3. This ESP for the Charlie Area, also known as the Choccolocco Area, is for additional MEC sampling to finalize an Engineering Evaluation/Cost Analysis (EE/CA) for those parts of Charlie Area not covered under the ESS which your office approved in reference 1.c, as amended by references 1.d through 1.h.

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

FOR THE DIRECTOR:

DOYLE.CLIFFORD.H.1230381662

Digitally signed by DOYLE.CLIFFORD.H.1230381662
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=DOYLE.CLIFFORD.H.1230381662
Date: 2010.01.11 14:17:27 -06'00'

1 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 Deputy Assistant Secretary of the Army for Environment, Safety, and Occupational Health, Special Assistant for Munitions, (DASA-DESOH/Mr. King), 110 Army Pentagon, Washington, DC 20310-0110
Office of the Assistant Chief of Staff for Installation Management, Base Realignment and Closure Office (DAIM-BD/Mr. Haughs), 600 Army Pentagon, Washington, DC 20310-0600
U.S. Army Corps of Engineers (CESO/Ms Roberts), 441 G Street, NW, Washington, DC 20314-1000
U.S. Army Engineering and Support Center, Huntsville, (CEHNC-CX-MM/Mr. Zange or Mr. Becker), P.O. Box 1600, Huntsville, AL 35807-4301

DEPARTMENT OF THE ARMY
HUNTSVILLE CENTER, CORPS OF ENGINEERS
P.O. BOX 1600
HUNTSVILLE, ALABAMA 35807-4301

REPLY TO
ATTENTION OF:

CEHNC-CX-MM

5 January 2010

MEMORANDUM FOR US Army Technical Center for Explosives Safety, Explosives Safety Knowledge, OE and Chemical Division, (SJMAC-ESM/Mr. Cliff Doyle), Building 35, 1C Tree Road, McAlester, OK 74501-9053

SUBJECT: Explosives Siting Plan (ESP), Supplemental Munitions and Explosives of Concern (MEC) Sampling, Charlie Area, Fort McClellan, Anniston, AL, January 2009

1. References:

a. ER 385-1-95, Safety and Health Concerns for Munitions and Explosives of Concern (MEC) Projects, March 2007.

b. DOD 6055.09-STD, Ammunition and Explosives Safety Standards, February 2008.

c. Email, CEHNC-OE-CW/Sherri Anderson-Hudgins, 05 January 2010, subject: ESP for McClellan, requesting Military Munitions Division, Environmental and Munitions Center of Expertise process and forward ESP package to USATCES.

2. This ESP is submitted to address the supplemental MEC Sampling in Charlie Area at Fort McClellan, Anniston, Alabama.

3. This ESP is submitted for review and approval at the request of the installation, per reference 1c. They have requested US Army Corps of Engineers (USACE) submit this up through the review and approval chain on their behalf.

4. This memorandum constitutes Direct Reporting Unit approval for USACE participation per reference 1a.

5. If you have any questions, please contact Mr. Walt Zange at (256) 895-1586 or Mr. Dave Becker at (256) 895-1513.

SUZANNE MURDOCK, P.E.
Chief, Military Munitions Division
Environmental and Munitions
Center Of Expertise

CEHNC-CX-MM

5 January 2010

SUBJECT: Explosives Siting Plan (ESP), Supplemental Munitions and Explosives of Concern (MEC) Sampling, Charlie Area, Fort McClellan, Anniston, AL, January 2009

CF: (electronically)
HQUSACE, (CESO/SWD/Ms. Blanca Roberts)
USAESCH, (CEHNC-OE-CW/Ms. Sherri Anderson-Hudgins)