



REPLY TO
ATTENTION OF

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

CEHNC-OE-CX

APR 12 2006

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX), Interim Guidance Document 06-06

1. PURPOSE: To provide instructions on the use, preparation, and retention of AAPPs within the US Army Corps of Engineers (USACE). This interim guidance supersedes reference 4a and shall be used for the development of all AAPPs.

2. BACKGROUND: The Military Munitions Response Program (MMRP) has a need for an abbreviated accident prevention plan for those project locations that do not have, or project activities not covered by, an established and approved accident prevention plan.

3. APPLICABILITY: This guidance is applicable to USACE entities performing project activities of a non-intrusive nature on potential Military Munitions Response Program (MMRP) projects prior to the Accident Prevention Plan (APP) (integral part of the work plan) being approved.

4. REFERENCES:

a. Abbreviated Site Safety and Health Plan(s) (ASSHP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Ordnance and Explosives Center of Expertise (OE-CX), Interim Guidance Document 04-03, 10 February 2004.

b. EP 1110-1-18, Military Munitions Response Process.

c. EM 385-1-1, Safety and Health Requirements Manual.

d. Memorandum, USACE, CESO, 11 July 2005, subject: Interim Guidance for New 29 CFR Part 1960 Recordkeeping and Reporting Requirements.

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

e. Memorandum, USACE, CESO, 8 March 2005, subject: Interim Guidance for Contractor Accident Reporting and Recordkeeping in Accordance with OSAH 29 CFR Part 1904 and EM 385-1-1, Section 01.D.

5. REQUIREMENTS AND PROCEDURES:

a. Each USACE command will designate an official in the organization to approve and retain all AAPPs.

b. The AAPP will be completed and approved prior to traveling to the project site. MMRP projects operating under an existing APP do not require an AAPP. In these instances, the existing APP will be used.

c. The AAPP is valid only for preliminary project activities of a non-intrusive nature on potential MEC project sites prior to work plans and APPs (work plan) being approved. Current activities for which an AAPP are authorized are:

1. Site visits associated with Inventory Project Reports (INPRs), Preliminary Assessment(s) (PA) and Archives Search Reports (ASRs).

2. Site visits to gather information for work plan development,

3. Public affairs visits, and

4. Others as authorized by the USACE command designated approving official.

d. A comprehensive APP is required when the purpose of the site visit is to conduct any project work that requires an approved work plan, e.g., soil sampling, construction of a geophysical test plot, geophysical mapping, intrusive activities, etc.

e. The site visit team leader is responsible for ensuring the AAPP is completed. This responsibility may be delegated to USACE Safety Office personnel, an OE Safety Specialist, or unexploded ordnance safety officer (UXOSO). An OE Safety Specialist or a UXO Safety Officer will accompany the site visit team.

f. The site visit will not be conducted with less than two people. When a medical facility or physician is not accessible within five minutes, one person will be first aid/CPR trained. The site UXOSO or OE Safety Specialist will not have responsibility for more than eight other team members. If more support is needed, an additional team can be established under another

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

UXOSO or OE Safety Specialist. Where there is more than one team, a supervisory UXOSO or OE Safety Specialist will be designated to oversee activities.

g. The UXOSO or OE Safety Specialist is required to conduct safety briefings, enforce the AAPP and ensure site visit objectives are fulfilled safely. The UXOSO or OE Safety Specialist is required to keep the team grouped together and under close control, individuals must be able to communicate verbally and be in line-of-sight with each other.

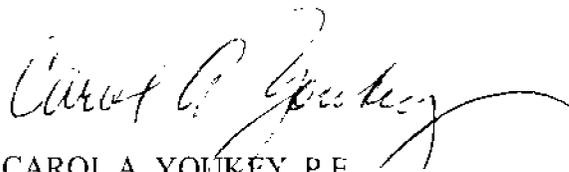
(1) All members of the site visit team will read, sign, and comply with the AAPP, and will attend all safety briefings. Personnel who fail to comply with these requirements will not be permitted to accompany the team. If any individual accompanying the team refuses to comply with these requirements, the site visit will be terminated and the circumstances immediately reported to the AAPP approving authority.

(2) At Formerly Used Defense Sites (FUDS), the property owner is often needed to guide the team over the site. The owner should be asked to participate in the safety briefings and then asked to accompany the team.

h. Upon completion of the site visit, the team leader will furnish a copy of the signed acknowledgement form, attached to the AAPP, to the approving official for retention.

6. EFFECTIVE DATES: The requirements and procedures set forth in this interim guidance are effective upon receipt. They will remain in effect indefinitely, unless superseded or cancelled by other policy or regulation.

7. POINT OF CONTACT: The point of contact for this guidance is [REDACTED] CEHNC Military Munitions Center of Expertise at 256-895-1586.



CAROL A. YOUKEY, P.E.
Chief, Military Munitions Center
of Expertise for Ordnance and
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SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

Date:

ABBREVIATED ACCIDENT PREVENTION PLAN (AAPP)
FOR

Site name:	
Site location:	
Purpose of Visit:	
Date(s) of site visit:	
Prepared by:	
Office:	
Address:	
Telephone:	Commercial: () - Extension
	DSN: -

Date Prepared:

SIGNATURE: _____ DATE: _____

AAPP REVIEWED/APPROVED BY (USACE Command designated approval authority):

TITLE:

DATE

NOTE: This AAPP is to be used only for non-intrusive site visits and it must be approved prior to the start of the field visit. All team members must read and comply with the AAPP, and attend the safety briefings. The UXOSO/OE Safety Specialist will ensure the Safety Briefing Checklist and the plan acceptance forms are filled out prior to the start of the site visit.

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

I. SITE DESCRIPTION AND PREVIOUS INVESTIGATIONS

(Attach a site map to this AAPP)

A. SITE DESCRIPTION:

- o Size: Approximately _____ acres
- o Present usage (Check all that apply)

<input type="checkbox"/> Military	<input type="checkbox"/> Recreational	<input type="checkbox"/> Agricultural
<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	<input type="checkbox"/> Landfill
<input type="checkbox"/> Natural Area	<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other Specify _____		
<input type="checkbox"/> Secured	<input type="checkbox"/> Active	<input type="checkbox"/> Unknown
<input type="checkbox"/> Unsecured	<input type="checkbox"/> Inactive	

B. PAST USES: (Attach a summary to the historic uses of this site. Identify specific areas if possible.)

C. SURROUNDING POPULATION:

<input type="checkbox"/> Rural	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial
<input type="checkbox"/> Urban	<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other specify _____		

D. PREVIOUS SAMPLING/INVESTIGATION RESULTS:

(1) MEC ENCOUNTERED:

Location:	Description:

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

(2) SAMPLES: (Air, Water, Soil, Vegetation)

Chemical	Concentration	Media	Location

II. DESCRIPTION OF ON-SITE ACTIVITIES:

<input type="checkbox"/> Walk-through	<input type="checkbox"/> Drive-through	<input type="checkbox"/> Fly over
<input type="checkbox"/> On road	<input type="checkbox"/> Off road	<input type="checkbox"/> On path
<input type="checkbox"/> Off path		
<input type="checkbox"/> Other Specify		

Activities/Tasks to be Performed (Summarize):

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III. SITE PERSONNEL AND RESPONSIBILITIES:

A. USACE PROJECT MANAGER:

NAME:	
OFFICE:	
ADDRESS:	
PHONE:	

RESPONSIBILITIES:

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CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

B. TEAM LEADER:

NAME:	
OFFICE:	
ADDRESS:	
PHONE:	

RESPONSIBILITIES:

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C. UXOSO/OE SAFETY SPECIALIST:

NAME:	
OFFICE:	
ADDRESS:	
PHONE:	

RESPONSIBILITIES: Brief this AAPP. Ensure the AAPP guidelines are followed. Provide UXO escort duties.

D. FIRST AID/CPR Certified:

NAME:	
OFFICE:	
ADDRESS:	
PHONE:	

RESPONSIBILITIES: Administer First Aid in the event of an emergency.

E. TEAM MEMBERS: (other than those listed above)

NAME:	
OFFICE:	
ADDRESS:	
PHONE:	

RESPONSIBILITIES:

CEIINC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

IV. HAZARD ANALYSIS:

A. Safety and health hazards anticipated:

- Chemical
- Ordnance (specify):

- | | | |
|---|---|--|
| <input type="checkbox"/> Heat Stress | <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Tripping Hazard |
| <input type="checkbox"/> Noise | <input type="checkbox"/> Electrical | <input type="checkbox"/> Falling Object |
| <input type="checkbox"/> Foot hazard | <input type="checkbox"/> Biological | <input type="checkbox"/> Overhead Hazard |
| <input type="checkbox"/> Radiological | <input type="checkbox"/> Confined Space | <input type="checkbox"/> Water |
| <input type="checkbox"/> Explosive | <input type="checkbox"/> Climbing | <input type="checkbox"/> Flammable |
| <input type="checkbox"/> Other specify: | | |

B. Overall Hazard Evaluation:

- High Moderate Low Unknown

JUSTIFICATION: (Provide a brief justification supporting the overall rating.)

V. ACCIDENT PREVENTION:

A. General Precautions:

Prior to the on-site visit, all team members are required to read this AAPP and sign the form acknowledging that they have read and will comply with it. In addition, the UXOSO/OE Safety Specialist will hold a brief tailgate meeting in which site specific topics regarding the day's activities will be discussed. The buddy system will be enforced at all times. If unanticipated hazardous conditions arise, team members are to stop work, evacuate the area and notify the UXOSO/OE Safety Specialist.

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

VI. STANDARD OPERATION SAFETY PROCEDURES, ENGINEERING CONTROLS AND WORK PRACTICES:

A. SITE RULES/PROHIBITIONS: At any sign of hazardous conditions, stop tasks, evacuate area and notify the UXOSO/OE Safety Specialist. Smoking, eating and drinking allowed in designated areas only.

B. MATERIAL HANDLING PROCEDURES: Do not handle.

C. DRUM HANDLING PROCEDURES: Do not handle.

D. CONFINED SPACE ENTRY: Do not enter.

E. IGNITION SOURCE AND ELECTRICAL PROTECTION: Do not smoke.

F. SPILL CONTAINMENT: N/A

G. EXCAVATION SAFETY: Do not enter trenches/excavations.

H. ILLUMINATION: Work during daylight hours only.

I. SANITATION: Use existing sanitary facilities.

J. BUDDY SYSTEM: Two persons on-site maintaining constant contact with each other. To be adhered to at all times.

K. ENGINEERING CONTROLS: N/A

L. HEAT/COLD STRESS: Dress appropriately. Take sufficient breaks and drink plenty of fluids. Watch for signs/symptoms of cold/heat stress. Monitoring may be applicable depending on the site weather conditions and type of personal protection equipment (PPE) worn.

M. ORDNANCE:

(1) General Information:

a. The cardinal principle to be observed involving explosives, ammunition, severe fire hazards or toxic materials is to limit the exposure to a minimum of personnel, for the minimum

amount of time, to a minimum amount of hazardous material consistent with a safe and efficient operation.

b. Old, damaged, and possibly deteriorated explosive-loaded ordnance requires extreme caution. Some explosives may react with metals, other explosives, air, or chemicals in the earth to produce extremely sensitive explosive compounds.

c. When chemical agents may be present, further precautions are necessary. If the munition item has green markings leave the area immediately, since it may contain a chemical filler.

d. Consider ordnance that has been exposed to fire as extremely hazardous. Chemical and physical changes may have occurred to the contents which render it more sensitive than it was in its original state.

(2) On-Site Instructions:

a. DO NOT touch or move any ordnance items regardless of the marking or apparent condition.

b. DO NOT visit an ordnance site if an electrical storm is occurring or approaching. If a storm approaches during a site visit leave the site immediately and seek shelter.

c. DO NOT use radio or cellular phones in the vicinity of suspect ordnance items.

d. DO NOT walk across an area where the ground cannot be seen. If dead vegetation or dead animals are observed, leave the area immediately due to potential chemical agent contamination.

e. DO NOT drive vehicles into suspected MEC areas; use clearly marked lanes.

f. DO NOT carry matches, lighted cigarettes, lighters or other flame producing devices into a MEC site.

g. DO NOT rely on color codes for positive identification of ordnance items or their contents.

h. Approach ordnance items from the side. avoid approaching the front and rear areas.

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

i. Always assume ordnance items contain a live charge until it can be determined otherwise.

(3) Specific Action Upon Locating Ordnance:

a. DO NOT touch, move or jar any ordnance item, regardless of its apparent condition.

b. Approach the item cautiously, take photographs and a full description. Take notes of the markings or any other identifiers/features.

c. DO NOT be misled by markings on the ordnance item stating "practice", "dummy", or "inert". Even practice bombs have explosive charges that are used to mark/spot the point of impact; or the item could be mismarked.

d. DO NOT roll an ordnance item over or scrape the item to identify the markings.

e. The location of any ordnance items found during the site investigation should be clearly marked so it can be easily located and avoided.

f. The U.S. Army Engineering and Support Center, Huntsville, (256) 895-1598. will be notified upon location of any UXO.

N. POISONOUS SNAKES OR INSECTS:

a. DO NOT handle any snake even those that appear to be dead.

b. Avoid areas of limited visibility such as tall grass or heavy vegetation.

c. Roll sleeves down and use insect repellent.

O. POISONOUS PLANTS:

a. Avoid areas of limited visibility such as tall grass or heavy vegetation.

b. Roll sleeves down and use barrier cream and wear gloves.

P. OTHER (specify):

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

VII. SITE CONTROL AND COMMUNICATIONS:

A. SITE MAP: See Attached.

B. SITE WORK ZONES:

C. BUDDY SYSTEM: To be adhered to at all times.

D. COMMUNICATIONS:

(1) ON-SITE: Verbal communications will be used among team members to communicate to each other on-site. If this communication is not possible, the following hand signals will be used.

GRIP PARTNER'S WRIST OR BOTH HANDS AROUND WAIST - Leave the area immediately.

HAND GRIPPING NOSE - Unusual smell detected

THUMBS UP - OK, I am alright or I understand

THUMBS DOWN - No, negative

(2) OFF-SITE: Off-site communications will be established on every site. Communications may be established by using an on-site cellular phone or by locating the nearest public phone or private phone which may be readily accessed.

Cellular Phone: () -

Public/Private phone

Other. TBD on-site before commencing site visit.

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

(3) EMERGENCY SIGNALS: In the case of small groups, a verbal signal for emergencies shall suffice. The emergency signal for large groups should be incorporated at the discretion of the UXOSO/OE Safety Specialist.

Verbal

Nonverbal (Specify)

VIII. EMERGENCY RESPONSE:

a. Team members are to be alert to the dangers associated with the site at all times. If a hazardous condition arises, stop work, evacuate the immediate area and notify the UXOSO/OE Safety Specialist.

b. FIRST AID. A first aid kit and emergency eye wash (as applicable) will be located in the UXOSO/OE Safety Specialist's field car. If qualified persons (i.e. a fire department, medical facility or physician) is not accessible within five minutes of the site at least one team member will be qualified to administer first aid and CPR.

c. EMERGENCY TELEPHONE NUMBERS:

- 1. MEDICAL FACILITY: _____
- 2. FIRE DEPARTMENT: _____
- 3. POLICE DEPARTMENT: _____
- 4. POISON CONTROL CENTER: _____
- 5. USAESCH OE SAFETY OFFICE: (256) 895-1598.
- 6. FORSCOM EOD: _____
- 7. TEU: _____ (401) 671-2773.
- 8. PROJECT MANAGER: _____
- 9. Other (list): _____

d. DIRECTIONS TO THE NEAREST HOSPITAL/MEDICAL FACILITY: _____

IX. MONITORING EQUIPMENT AND PROCEDURES:

a. Exposure Monitoring: For non-intrusive on-site activities such as site visits, air monitoring is normally not required. However, if the site situation dictates the need for

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

monitoring, complete the following information on a separate page and attach the page to the AAPP.

- (1) Monitoring equipment to be used.
- (2) Documentation of equipment calibration and results.
- (3) Action Levels.

b. Heat/Cold Stress Monitoring: Include an enclosure with the condition to be monitored and the procedures. If heat stress monitoring is necessary, the monitoring criteria published in Chapter 8 of the NIOSH/OSHA/USCG/EPA "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities" (Oct '85) will be followed. If cold stress monitoring is necessary, it will be conducted IAW the most current published American Conference of Governmental Industrial Hygienist (ACGIH) cold stress standards.

X. PERSONAL PROTECTIVE EQUIPMENT:

a. GENERAL:

Typically, for non-intrusive site visits, Level D is required. Team members should avoid wearing outer or undergarments made of wool, silk or synthetic textiles such as rayon or nylon. These materials can generate sufficient static charge to ignite explosives. Hard hats will be worn if an overhead hazard exists, safety glasses if an eye hazard is present, and safety shoes will be worn if a foot hazard exists.

b. NON-INTRUSIVE SITE VISIT:

Level of Protection:

Initial: Level D Modified (specify) _____

Contingency: Evacuate site if higher level of protection is needed.

XI. DECONTAMINATION PROCEDURES:

Decontamination procedures are not anticipated for this site investigation. Team members are cautioned not to walk, kneel or sit on any surface with potential leaks, spills or contamination.

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

XII. TRAINING:

All site personnel will have completed the training required by EM 385-1-1 and 29 CFR 1910.120 (e). The USACE Project Manager will ensure and the UXOSO/OE Safety Specialist will verify that all on-site personnel have completed the appropriate training prior to submitting the plan to the Safety Office for review. Additionally, the UXOSO/OE Safety Specialist will inform personnel before entering, of any potential site specific hazards and procedures.

XIII. LOGS, REPORTS AND RECORDKEEPING:

Site logs are maintained by the Project Manager. This is to include historical data, personnel authorized to visit the site, all records, standard operating procedures and the AAPP submitted. Any air monitoring logs, SOPs, and attachments to plans. Reporting and recordkeeping will also be in accordance with current USACE CESO guidance.

XV. GENERAL:

The number of persons visiting the site will be held to a minimum. No more than 8 persons per UXOSO/OE Safety Specialist will be allowed on site. The more persons on-site, the greater potential for an accident. The UXOSO/OE Safety Specialist may modify this AAPP, if site conditions warrant it, and without risking the safety and health of the team members. This modification will be coordinated with the team members and the UXOSO/OE Safety Specialist will notify the approving authority of the change as the situation allows.

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

SAFETY BRIEFING CHECKLIST

(Check subjects discussed)

SITE NAME: _____ DATE/TIME: _____ / _____

GENERAL INFORMATION

- ___ PURPOSE OF VISIT
- ___ IDENTIFY KEY SITE PERSONNEL
- ___ TRAINING AND MEDICAL REQUIREMENTS

SPECIFIC INFORMATION

- ___ Site description/past uses
- ___ Results of previous studies
- ___ Potential site hazards
- ___ OE safety procedures
- ___ Site SOPs
- ___ Site control and communications
- ___ Emergency hand signals
- ___ Emergency response
 - () Location of first aid kit
 - () Emergency phone numbers & location
 - () Location of nearest medical facility and location of map to facility
- ___ PPE and decontamination

Stress the following during the briefing: If hazardous conditions arise, stop work, evacuate the area and notify the UXOSO/OE Safety Specialist.

CEHNC-OE-CX

SUBJECT: Abbreviated Accident Prevention Plan(s) (AAPP) for Sites with Suspected or Confirmed Munitions and Explosives of Concern (MEC), Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-06

PLAN ACCEPTANCE FORM

ABBREVIATED ACCIDENT PREVENTION PLAN

FOR

Site name:

Location:

I have read and agree to abide by the contents of the AAPP and I have attended the Safety Briefing for the aforementioned site.

NAME (PRINTED)	OFFICE	SIGNATURE	DATE

Person presenting the safety briefing:

SIGNATURE

DATE