

CHAPTER I

SECTION 11

MATERIAL POTENTIALLY PRESENTING AN EXPLOSIVE HAZARD (MPPEH)

I.11.A MPPEH – CONTRACTOR RESPONSIBILITIES AND PROCEDURES

I.11.A.01 The U.S. Army Corps of Engineers' (USACE) contractors executing projects will comply with the following procedures for processing MPPEH for final disposition. The objective of these procedures is to ensure that an inspection procedure of the exterior and interior surfaces of all recovered MPPEH is in place to ensure these items do not present an explosive hazard. These USACE contractor responsibilities and procedures will be contained, or referenced, in the project WP. > **See Chapter 14, EM 1110-1-4009.**

I.11.A.01.01 Unexploded Ordnance (UXO) Sweep Personnel will only mark suspected items and will not be allowed to perform any assessment of a suspect item to determine its status.

I.11.A.01.02 Unexploded Ordnance (UXO) Tech I can tentatively identify a located item as MPPEH, followed by a required confirmation by a UXO Tech II or III

I.11.A.01.03 UXO Technician II will:

a. Perform a 100% inspection of each item as it is recovered and determine the following:

(1) Whether the item is an UXO, a DMM, munitions debris, or range related debris;

(2) Whether the item contains explosives hazards or other dangerous fillers;

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- (3) Whether the item requires detonation;
 - (4) Whether the item requires demilitarization (demil) or venting to expose dangerous fillers;
 - (5) Whether the item requires draining of engine fluids, illuminating dials and other visible liquid hazardous, toxic or radiological waste (HTRW) materials.
- b. Segregate items requiring demil or venting procedures from those items ready for certification.
 - c. Items found to contain explosives hazards or other dangerous fillers will be processed IAW applicable procedures.

I.11.A.01.04 UXO Technician III will:

- a. Perform a 100% re-inspection of all recovered items to determine if free of explosives hazards or other dangerous fillers and engine fluids, illuminating dials and other visible liquid HTRW materials.
- b. Supervise detonation of items found to contain explosive hazards or other dangerous fillers and venting/demil procedures.
- c. Supervise the consolidation of MPPEH for containerization and sealing. Munitions Debris and Range-related Debris will be segregated.

I.11.A.01.05 UXO Quality Control (QC) Specialist will:

- a. Conduct daily audits of the procedures used by UXO teams and individuals for processing MPPEH.
- b. Perform and document random sampling (by pieces, volume or area) of all MPPEH collected from the various teams to ensure no items with explosive hazards, engine fluids, illuminating dials and other visible liquid HTRW materials are identified as munitions

debris or range-related debris as required for completion of the Requisition and Turn-in Document, DD Form 1348-1A.

I.11.A.01.06 UXOSO will:

a. Ensure the specific procedures and responsibilities for processing MPPEH for certification as munitions debris or range-related debris specified in the WP are being followed.

b. All procedures for processing MPPEH are being performed safely and consistent with applicable regulations.

I.11.A.01.07 SUXOS will:

a. Be responsible for ensuring work and QC plans specify the procedures and responsibilities for processing MPPEH for final disposition as munitions debris or range-related debris.

b. Ensure a requisition and turn-in document, DD Form 1348-1A is completed for all munitions debris and range-related debris to be transferred for final disposition.

c. Perform random checks to satisfy that the munitions debris and range-related debris is free from explosive hazards necessary to complete the Form, DD 1348-1A.

d. Certify all munitions debris and range-related debris as free of explosive hazards, engine fluids, illuminating dials and other visible liquid HTRW materials.

e. Be responsible for ensuring that inspected debris is secured in a closed, labeled and sealed container and documented as follows:

(1) The container will be closed and clearly labeled on the outside with the following information: The first container will be labeled with a unique identification that will start with USACE/Installation Name/Contractor's Name/0001/Seal's unique identification and continue sequentially.

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(2) The container will be closed in such a manner that a seal must be broken in order to open the container. A seal will bear the same unique identification number as the container or the container will be clearly marked with the seal's identification if different from the container.

(3) A documented description of the container will be provided by the contractor with the following information for each container; contents, weight of container; location where munitions or range-related debris was obtained; name of contractor, names of certifying and verifying individuals; unique container identification; and seal identification, if required. The contractor in a separate section of the final report will also provide these documents.

I.11.B MUNITIONS DEBRIS (MD) CERTIFICATION AND VERIFICATION

I.11.B.01 The contractor will ensure that MPPEH is properly inspected IAW the procedures in paragraph I.11.A . Only personnel who are qualified UXO personnel will perform these inspections. The SUXOS will certify the debris is free of explosive hazards and the OESS will verify the MPPEH inspection process has been followed. If an OESS is not on-site, the UXOQCS, or a similarly trained individual can be delegated to verify the MPPEH process.

I.11.B.02 DD form 1348-1A will be used as certification/verification documentation. All DD 1348-1A must clearly show the typed or printed names of the contractor's SUXOS and the OESS, organization, signature, and contractor's home office and field office phone number(s) of the persons certifying and verifying the debris as free of explosive hazards.

I.11.B.02.01 Local directives and agreements may supplement these procedures. Coordination with the local concerns will identify any desired or requested supplementation to these procedures.

I.11.B.02.02 In addition to the data elements required and any locally agreed to directives, the DD 1348-1A must clearly indicate the following for scrap metal:

- a. Basic material content (Type of metal; e.g., steel or mixed);
- b. Estimated weight;
- c. Unique identification of each of the containers and seals stated as being turned over;
- d. Location where munitions debris or range-related debris was obtained;
- e. Seal identification, if different from the unique identification of the sealed container;

I.11.B.02.03 The following certification/verification will be entered on each DD 1348-1A for turn over of munitions debris or range-related debris and will be signed by the SUXOS and the USACE OESS. This statement will be used on any ranges where Range Related Debris is being processed along with munitions debris:

"This certifies that the material listed has been 100 percent properly inspected and, to the best of our knowledge and belief, is free of explosive hazards, engine fluids, illuminating dials and other visible liquid HTWR materials."

I.11.B.02.04 The following certification/verification will be entered on each 1348-1A for turn over of munitions debris and will be signed by the SUXOS on properties where only munitions debris is being processed:

"This certifies and verifies that the material listed has been 100 percent inspected and to the best of our knowledge and belief, is inert and/or free of explosives or related materials."

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I.11.C MAINTAINING THE CHAIN OF CUSTODY AND FINAL DISPOSITION

I.11.C.01 The contractor, in coordination with the USACE, will arrange for maintaining the chain of custody and final disposition of the certified and verified materials. The certified and verified material will only be released to an organization that will:

I.11.C.01.01 Upon receiving the unopened labeled containers each with its unique identified and unbroken seal ensuring a continued chained of custody, and after reviewing and concurring with all the provided supporting documentation, sign for having received and agreeing with the provided documentation that the sealed containers contained no explosive hazards when received. This will be signed on company letterhead and stating that the contents of these sealed containers will not be sold, traded or otherwise given to another party until the contents have been smelted and are only identifiable by their basic content.

I.11.C.01.02 Send notification and supporting documentation to the sealed container-generating contractor documenting the seal containers have been smelted and are now only identifiable by their basic content.

I.11.C.01.03 This document will be incorporated by the contractor into the final report as documentation for supporting the final disposition of munitions debris and range-related debris.

I.11.C.01.04 If the chain of custody is broken, the affected MPPEH must undergo a second 100 percent inspection, a second 100 percent re-inspection, and be documented to verify its explosives safety status (identified as either munitions debris or range related debris).

I.11.C.02 Material that has been documented as safe in no longer considered MPPEH as long as the chain of custody remains intact. A legible copy of inspection, re-inspection, and documentation must accompany the material through final disposition and be maintained for a period of three (3) years thereafter.

I.11.D RELEASE OF MPPEH

I.11.D.01 Material that is still MPPEH after inspection may be released only to a qualified receiver. The following must be accomplished prior to release of the property:

I.11.D.01.01 Ensure that MPPEH that has been documented as hazardous is only transferred or released to those entities that:

I.11.D.01.02 Have the licenses and permits required to receive, manage, or process the materials.

I.11.D.01.03 Have technical experts about the known or suspected explosive hazards associated with the MPPEH.

I.11.D.01.04 Are qualified to receive, manage, and process MPPEH IAW DoD Instruction (DoDI) 4140.62.

I.11.D.01.05 Have personnel who are:

a. Experienced in the management and processing of hazardous materials equivalent to the MPPEH.

b. Trained and experienced in the identification and safe handling of used and unused military and/or any potential explosive hazards that may be associated with the specific MPPEH.

I.11.D.02 The receiver must be advised of all of the potential hazards associated with the MPPEH and agree to receive and process the material IAW DoDI 4141.62.

I.11.D.03 All MPPEH shipments over public transportation routes must comply with DoD guidance that implements hazardous material transportation regulations.

I.11.D.04 Ensure that chain of custody and accountability records are maintained through final disposition of MPPEH. A legible copy of inspection, re-inspection, and documentation must accompany

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MPPEH through final disposition and be maintained for a period of three (3) years thereafter.