

## Chapter XXVII

### Chemical Defense Equipment (CDE)

#### A. INTRODUCTION.

DRMOs must follow the guidelines in DoD 4160.21-M, Chapter 10, for turn-in, DEMIL and disposal. Overseas DRMOs will follow DRMSI Policy Letter 99-3, Demilitarization (DEMIL) Procedures for Chemical Defense Equipment, 4 August 1999.

#### B. GENERAL PROCEDURES.

1. Chemical Defense Equipment will be coded DEMIL "F", unless specifically directed otherwise. The method of DEMIL is the actual disposal by the HW disposal contractor at a RCRA permitted disposal facility.

2. DEMIL certification will be accomplished on DD Form 1348-1/1A or on DD Form 1155. If the DTID is used for certification, a certified/verified signed copy must be forwarded to DRMS-PH or DRMSI-PHB to retain with the delivery order files for DEMIL audit trail. If the certification/verification DEMIL Statement (see paragraph B. 4 and E.4 below) does not fit on the forms, the DD Form 1348-1/1A, or the DD Form 1155, the DEMIL statement may be printed on a separate sheet, referenced with the specific DTID number, and attached to the respective DTID or the DD Form 1155, to ensure DEMIL audit trail documentation (see paragraph B.3.c below).

3. Letters of appointment should be prepared and on file for anyone acting as DEMIL certifiers or verifiers. This includes generators, CORs, or any other authorized U.S. Government personnel.

a. Authorized DEMIL Certifier: DEMIL Certification will be accomplished by a technically qualified U.S. Government representative, as designated by the responsible commander, at the time of shipment to the HW disposal facility, and annotated on the DD Form 1348-1/1A. or

DD Form 1155. The DRMO Contracting Officer's Representative (COR) or the generator may act as Certifier, if they are technically qualified and designated in writing by the responsible commander.

b. Authorized DEMIL Verifier: DEMIL verification will be accomplished by a technically qualified U.S. Government representative (must be a U.S. citizen), designated by the responsible commander. Verification takes place at the time of receipt of the signed, return HW manifest (receipt copy), or Certificate of Disposal (CD), if a CD is available, and verified by signing on the DD Form 1348-1/1A or DD Form 1155. The COR may act as verifier, if he/she did not sign as certifier, and is designated in writing by the responsible commander. In instances where the COR did sign as certifier, another authorized verifier will be required. -

c. The DEMIL audit trail documentation will consist of: the signed certified and verified DD Form 1348-1/1A, or the completed certified/verified service contract delivery order (DD Form 1155), or a certificate of destruction, if available, and the HW manifest receipt copy. These documents will be retained in the appropriate files (e.g., delivery order files, Contracting Office files) and will serve as documentation that demilitarization has been accomplished.

4. DEMIL Statement (CONUS ONLY): The DEMIL authority to be annotated on the DD Form 1155 will read as follows:

*"I certify that this property has been released for transportation to a permitted landfill or incinerator for ultimate disposal, in accordance with standard EPA requirements, which will constitute demilitarization, based upon approval in OASD Memorandum, 2 Mar 90, subject: Turn-In and Demilitarization (DEMIL) Procedures for Chemical Defense Equipment Items Containing Regulated Hazardous Waste."*

\_\_\_\_\_  
*Certifier Signature/*  
*Date*

\_\_\_\_\_  
*Verifier Signature/*  
*Date*

5. Assistance is available regarding DEMIL and disposal requirements for CDE from the DEMIL team at the U.S. Army Edgewood Research Development and Engineering Center (ERDEC) located at Aberdeen Proving Ground, Maryland. They can be reached at (DSN)584-6588 or commercial (410)612-6588. Demil disposal procedures are also available at <http://aeprs.ria.army.mil/aeprspublic.cfm>. A login and password is required to access this database.

- a. To obtain a login and password you must fill out the "Access Request Form". It is located on the AEPS Home Page.
- b. Once you have obtained your login and password, click on the "Enter AEPS (Restricted Access)".
- c. Click on "SBCCOM" located on the lower left side of the screen.
- d. Click on "SEARCH", located at the top of the page.
- e. You are now on the Soldier and Biological Chemical Commands Product Support Website. You can search your CDE by NIIN, NSN, LIN, nomenclature, etc.

6. Information concerning CDE may also be obtained from the item manager, USA Armament and Chemical Acquisition and Logistics Activity, ATTN: AMSTA-AC-CTC, Rock Island Arsenal, Rock Island, IL 61229-7630, (DSN)793-2103/4475 or commercial (309)782-2103/4475.

**C. CDE KITS.**

- 1. DRMOs are required to accept physical custody (where properly permitted) and accountability of CDE kits or their components.
  - a. The chemical components in the CDE kits that are a RCRA, state, or host nation regulated HW when discarded will be turned in to the DRMO for disposal on service contract. Only those kits that are no longer in usable condition should be turned in for disposal.

- b. The generator will coordinate with the item manager prior to turn-in of CDE kits to determine specific kit separation requirements. Some CDE kits may be turned-in and managed as a whole kit for disposal, and some may require removal and/or separation of individual components for DEMIL and/or disposal. If separation is required, each commodity will be turned in on a separate DTID marked as "HW".

**D. PROTECTIVE MASKS AND FILTERS.**

- 1. Some canisters/filters contain ASC whethelite charcoal. ASC whethlerite charcoal is a specific carbon that has been impregnated with a solution of copper, chromium, and silver. This carbon when disposed, must be managed as HW due to the characteristic of chromium, (EPA Waste Code: D007).
- 2. Usable Protective Masks in condition codes A and B. CDE containing ASC whethlerite charcoal in condition codes A and B will receive the following processing:
  - a. Accountability (only) of the property will be transferred to the DRMO. Based upon concerns of effectiveness, excess military chemical and biological protective masks will no longer be issued outside the Department of Defense. (Former policy allowed approved law enforcement and other federal and state activities to receive gas masks in an "as-is" condition.)
  - b. Canister/filters will not be removed from the protective masks by the holding activity until it is determined that there are no requirements for items in condition codes A and B.
- 3. If the masks are not issued as indicated above, the generating activity having custody of the property will remove and properly package the ASC filters as hazardous waste for turn-in to the DRMO as follows:
  - a. Prepare a separate DTID for the waste filters following the instructions given below in paragraph B4.

b. Turn-in physically to the DRMO for demilitarization of the mask after filters/canisters have been removed (i.e., slashing the face piece of the mask with a cut of no less than four inches directly below the eyepieces)

4. Turn-In Instructions.

a. The generating activity is responsible for the removal of filters, canisters, and filter systems prior to turn-in. End items (gas masks, shelters, vehicles) will not be accepted with filters, canisters or filter systems attached.

b. Large filters (e.g., shelter, hospital, etc.) which cannot be placed in drums will have all inlet and outlet ports sealed. If damaged/broken, the entire filter will be sealed in plastic wrap, to a thickness of 6.0 mil. minimum. DRMOs will take accountability but not physical custody of this property.

c. The DTID must contain a valid NSN. LSNs or non-standard stock numbers shall not be used.

pared for CORs in accordance with DRMSI 4160.14, Volume VII as applicable.

4. International DRMOs, with the exception of Hawaii, Guam, and Alaska, will use the following DEMIL Certification Statement for CDE articles turned in for disposal:

*“I certify that this property has been released for transportation to a permitted hazardous waste landfill or incinerator for ultimate disposal, according to applicable Final Governing Standards or Overseas Environmental Baseline Guidance Document (OEBGD) requirements, which will constitute Demilitarization, based on approved OASD Memorandum, dated 2 March 90, Turn-In and Demilitarization (DEMIL) Procedures for Chemical Defense Equipment Items Containing Regulated Hazardous Waste.”*

\_\_\_\_\_  
Certifier Signature/  
Date

\_\_\_\_\_  
Verifier Signature/  
Date

**E. INTERNATIONAL REQUIREMENTS**

1. OCONUS DRMOs will follow DRMSI Policy Letter 99-3, Demilitarization (DEMIL) Procedures for Chemical Defense Equipment, dated 4 August 1999.

2. Elements in Chemical Defense Equipment that are regulated by host nation law will be managed as hazardous waste in accordance with the provisions of this chapter. The method of DEMIL is the actual disposal by the HW disposal contractor at a DoD approved OCONUS permitted disposal facility. Retrograde for disposal should only be considered if no local disposal options exist.

3. Contracting Officer Representatives (CORs) can act as DEMIL certifiers for overseas DRMOs. Letters of appointment should be pre-