



DEPARTMENT OF THE ARMY
OFFICE OF THE ASSISTANT SECRETARY OF THE ARMY
INSTALLATIONS AND ENVIRONMENT
110 ARMY PENTAGON
WASHINGTON DC 20310-0110

December 4, 2008

SAIE-ESOH

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Policy Guidance--Chemical Agent Identification Sets Containing Dilute Agent (Except Dilute Nerve) and Industrial Chemicals

1. References:

a. Memorandum, OASA(IL&E), 5 Sep 97, subject: Biological Warfare Materiel (BWM) and Chemical Warfare Materiel (CWM) Response Activity Interim Guidance. (Enclosure 1).

b. Memorandum, DACS-SF, 19 Mar 98, subject: Applicability of Biological Warfare Materiel and Non-Stockpile Chemical Warfare Materiel Response Activity Interim Guidance.

c. Memorandum, CESO-E, 13 Apr 98, subject: Applicability of Biological Warfare Materiel and Non-Stockpile Chemical Warfare Response Activity Interim Guidance.

d. Site-Specific Work Plans and Site Safety and Health Plans for Site Investigations (SI), Time Critical Removal Actions (TCRA), Remedial Investigations (RI), Feasibility Studies (FS), and Remedial Action (RA) With Only Historical Information of K951/2, K953/4 or K955.

e. Memorandum, OASA(I&E), 23 Apr 2007, subject: Treatment of Chemical Agent Identification Sets as Hazardous Waste. (Enclosure 2)

2. Purpose: This memorandum (a) provides additional guidance for implementation of reference 1e (Enclosure 2); and (b) clarifies procedures for use in all field operations that involve Chemical Agent Identification Sets (CAIS) K951/2, K953/4 or K955 that only contain dilute chemical agent or industrial chemicals. This guidance may not be supplemented without approval from SAIE-ESOH.

3. Procedures:

a. An unintentional encounter with any type of CAIS requires explosives or munitions emergency response support from the 20th Support Command (Chemical, Biological, Radiological, Nuclear, High Yield Explosives (CBRNE)).

SUBJECT: Policy Guidance--Chemical Agent Identification Sets Containing Dilute Agent (Except Dilute Nerve) and Industrial Chemicals

b. For range clearance activities on operational ranges and for planned environmental response actions at munitions response or installation restoration program sites that only involve K951/2, K953/4, or K955 CAIS, the below policy applies. For such activities or responses:

(1) The provisions of 29 Code of Federal Regulation (CFR), 1910.120, Hazardous Waste Operations and Emergency Response apply.

(2) The provisions of AR 50-6, with the exception of Chemical Event Reporting (see 3b(3) below), and DA Pam 385-61 do not apply, and neither a chemical site plan nor a munitions response chemical safety submission is required.

(3) Pending publication of specific guidance for reporting of accidents, incidents or other circumstances involving recovered chemical warfare material (CWM), including CAIS that contains neat agent and dilute nerve agent; munitions with an unknown liquid fill; and dilute chemical agent or industrial chemicals, a CER (see AR 50-6, Chapter 11) using the Web-based Chemical and Biological Event Reporting System (CBERS) will be used to report such circumstances.

c. Policy.

(1) Any K951/2, K953/4 or K955 CAIS vials recovered and designated for disposal will be stored, treated, packaged, transported, and disposed of as hazardous waste.

(a) Applicable requirements of the Resource Conservation and Recovery Act, 42 U.S.C. 6901 et seq. (RCRA), and equivalent State laws, will be complied with during these activities.

(b) Records documenting hazardous waste management and disposal actions will be retained.

(c) Uniform hazardous waste manifests will be completed in compliance with the requirements of applicable Federal and state RCRA regulations and will identify these materials with the appropriate RCRA waste code number.

(d) A certificate of destruction will be obtained from the permitted Treatment, Storage, and Disposal Facilities (TSDF) to which CAIS are transported for destruction.

(2) An exclusion zone will be established based on the downwind hazard of 40 milliliters of the industrial compound phosgene.

SUBJECT: Policy Guidance--Chemical Agent Identification Sets Containing Dilute Agent (Except Dilute Nerve) and Industrial Chemicals

(3) Near real time monitoring (e.g., Miniature Chemical Agent Monitor (MINICAMS)) will be established and maintained. The monitoring strategy will address monitoring locations and procedures for confirmation of any low-level near real-time detections.

(4) The level of personal protective equipment (PPE) will be based on a hazard analysis of the specific hazards likely to be encountered during the work activity to be conducted (see 29 CFR 1910.120). When required, the PPE level will be adjusted based on confirmed monitoring results.

(5) Personnel trained in administering first aid for toxic materiel exposures, the use of eye washes and emergency personnel decontamination (see 29 CFR 1910.120) will be on site during all intrusive, recovery operations and all operations that involve the handling of K951/2, K953/4 or K955 CAIS that are not stored in a DOT-approved container. An emergency personnel decontamination station (EPDS) will be set up, with manning available, during all such activities. The use of the EPDS helps ensure potential contamination from broken CAIS is not extended to medical treatment personnel, equipment, or facilities.

(6) The executing contractor will submit a site-specific training plan for the response action to an Army safety official (e.g., U.S. Army Corps of Engineers' Safety Specialist) or the contracting officer's representative, if appointed, for review and approval. The plan will require the executing contractor's Site Manager, Safety Officer and a Corporate Safety and Certified Industrial Hygienist to be involved in the conduct of the training.

(7) Site-specific training will be conducted per the approved training plan.

(8) Pre-operational surveys and Table Top Exercises are not required.

(9) Should CAIS other than K951/2, K953/4, or K955; a munition with an unknown liquid fill; or chemical warfare materiel (CWM) be encountered, which was not anticipated, all field work will stop, a chemical event report will be submitted, and support of an explosives or munitions emergency response will be requested from the 20th Support Command (CBRNE). After any recovered munitions or materiel is assessed and identified, a determination will be made as to whether the response or range clearance activities should revert to a CWM response. This determination will be coordinated with SAIE-ESOH, the Army Safety Office, and the U.S. Army Technical Center for Explosive Safety.

SUBJECT: Policy Guidance--Chemical Agent Identification Sets Containing Dilute Agent (Except Dilute Nerve) and Industrial Chemicals

(10) Should a determination be made that a CWM response action is required, the appropriate Department of Defense Explosives Safety Board-required explosives safety submissions (e.g., munitions response chemical safety submission, chemical agent site plan) will be submitted per Army procedures.

4. My point of contact is J. C. King at 703.697.5564; by email at jc.king@us.army.mil.

A handwritten signature in black ink, consisting of several loops and a horizontal line at the end with the Roman numeral 'IV' written below it.

Enclosures

Addison D. Davis, IV
Deputy Assistant Secretary of the Army
(Environment, Safety, and Occupational Health)

DISTRIBUTION:

Assistant Chief of Staff for Installation Management
Commanding General, U.S. Army Installation Management Command
Deputy Chief of Staff for Operations and Plans
The Surgeon General
Program Manager for Chemical Demilitarization
Director of Army Safety
Director, U.S. Army Nuclear and Chemical Agency
Director, U.S. Army Technical Center for Explosives Safety
Director, Edgewood Research, Development and Engineering Center
Chief, National Guard Bureau
Chief, Army Reserve
Commander in Chief
U.S. Army Europe and Seventh Army

Commanders:

Eighth U.S. Army
Military Traffic Management Command
U.S. Army Corps of Engineers
U.S. Army Pacific
U.S. Army South
U.S. Army Special Operations Command
U.S. Army Medical Command
U.S. Army Intelligence and Security Command
U.S. Army Criminal Investigation Command
U.S. Army Training and Doctrine Command
U.S. Forces Command
U.S. Military District of Washington