DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, RED CLOUD AND AREA I
UNIT # 15707
APO AP 96258-5707

REPLY TO
ATTENTION OF:

Policy Letter # 6-5

IMRD-ZA

27 AUG 2014

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Cross Connection Control and Backflow Prevention Policy

1. References:

a. Army Regulation 420-1, Army Facilities Management, 12 February 2008.

b. US Forces Korea Regulation 201-1, Environmental Governing Standards, 18 June 2012.

c. TM 5-660, Maintenance and Operation of Water Supply, Treatment, and Distribution Systems.

d. DPW Cross Connection Control/Backflow Prevention Program Plan (C3BP3), 17 March 2010.

e. Inspection and Testing Backflow Prevention Assemblies various installation within USAG RC and Area I, October 2013.

2. Purpose: The purpose of cross connection control is to ensure the delivery of potable water to consumers by preventing water from unapproved sources, or any other substances, from entering a public drinking water system. The water purveyor or system owner is ultimately responsible for assuring safe delivery of the water.

3. Applicability: This policy applies to all staffs, directorate, units, tenant offices, contractors, and other organizations within USAG Red Cloud and Area I.

4. Overview: Military installations present a unique set of circumstances in that they are the water purveyor, the system owner and the customer. For this reason, responsibility for cross connection control becomes a substantial Team effort.

The primary Team members are: Commander, USAG Red Cloud and Area I, Director of DPW, USAG RC and Area I, 2nd Infantry Division Preventive Medicine Services, Public Affairs Office, and on-post water consumer.

5. Specific Responsibilities for the various Staff Elements:

a. Commander, USAG RC and Area I is responsible for cross connection control for all U.S. Army Installation in USAG RC and Area I. Accordingly, the USAG RC and Area I must provide the following; Adequate resources to subordinate units for the implementation of the C3BP3. Proper guidance to the DPW to define and delineate staff responsibilities for protecting the potable water system from potential hazards.

b. DPW, USAG RC and Area I as the manager of the Cross Connection Control Program, has a wide range of responsibilities and functions relative to this program. Key personnel and organization within the DPW, USAG RC and Area I are highlighted below along with their respective roles and responsibilities.

(1) Director, Directorate of Public Works.

Implement and assign management responsibilities for the Cross Connection Control Program.

Be responsible for supply and maintenance of the potable water system in accordance with all U.S. Army and other applicable regulations.

Issue health warnings in conjunction with the 2ID Preventive Medicine Services and the Public Affairs Office.

Take all appropriate actions required to prevent consumption of contaminated water discovered in the distribution system.

Ensure that responsible personnel are properly trained and certified to conduct cross connection inspections; inspect, test, install, disinfect, and maintain BFPs.

Ensure Preventive Medicine Services is provided an opportunity to review all plans and specifications for proposed contracts involving water system modifications.

(2) Chief, Operations and Maintenance Division.

Be responsible for the supply and maintenance of the potable water system in accordance with all U.S. Army and other applicable regulations.

Ensure that responsible personnel are properly trained and certified to conduct backflow prevention device maintenance and reporting.

Coordinate with the Environmental Division and Preventive Medicine Services in the event of a suspected water contamination or other occurrence that would deem the water unfit for consumption.

Review all plans and specifications for proposed contracts involving water system modifications.

Discontinue water service whenever the pressure in a user's system, or anywhere in the distribution system, falls below 10 PSI gauge pressure, and do not restore service until problems have been identified and corrected.

Ensure that any facility or facility having a booster pump connected to the water distribution system is equipped with a low pressure regulating or cut-off device to stop the booster pump when the pressure within the water line serving the pump drops to a minimum of 10 PSI gauge pressure.

Enforce the 4 provisions of this program when plumbers or other persons are installing, maintaining, modifying, or adding any potable water piping system or related equipment.

Observe work areas and other on-post facilities for the existence of cross-connections.

(3) Chief, Environmental Division.

Take overall managerial responsibility of the Cross Connection Control Program.

Request environmental funding for elements of the program that qualifies.

Request appropriate funds from other sources to pay for elements of the program that do not qualify for environmental funding.

Provide a Certified Cross Connection Control Program Specialist.

c. 2ID Preventive Medicine Service.

The 2ID Preventive Medicine Service is responsible for the following;

Maintaining liaison with the DPW and monitoring applicable policies pertaining to cross connection control to prevent contamination of the potable water system.

Investigating consumer complaints and water-related health problems to determine if cross-connections exist and if a backflow condition occurred which might have resulted in contamination of the public water system. Informing the DPW and the Public Affairs Office of the complaint and findings of the investigation.

Ensuring the cross connection control program, including regular interval cross connection surveys, visual inspections, and testing and maintenance of backflow prevention devices is implemented by the DPW at the Installations' medical and dental clinics.

In coordination with the DPW, ensuring that the disinfection of new plumbing and the testing newly installed backflow prevention devices are accomplished.

Reviewing plans, specifications, and contracts for water system modifications if requested by the DPW, to identify and prevent potential cross-connections.

d. Public Affairs Office.

The Public Affairs Office (PAO) reviews all health warnings in conjunction with the DPW, USAG RC and Area I, and the 2ID Preventive Medicine Services prior to release to the public. PAO has the responsibility to prepare and coordinate press releases as required.

e. On-Post Water Consumers.

All on-post water consumers must immediately notify the 2ID Preventive Medicine Services and/or DPW Environmental Division of any condition indicating that the quality or condition of the water in the distribution system may have become degraded.

6. C3BP3 implementation:

a. Corrective Actions.

The installation of new pressure vacuum breakers, double check valve assemblies, and reduced pressure zone assemblies will be accomplished by a contractor or certified labor.

Installation personnel, as part of the self-help program, will install hose bibb vacuum breakers and anti-siphon vacuum breakers.

The Plumbing Shop will install anti-siphon vacuum breakers that cannot be installed by personnel as part of the Self-Help Program. These devices will be installed in flush tank toilets when the existing devices are no longer functioning and must be replaced.

DPW has a Self-Help Program to allow unit personnel and family housing occupants to make minor repairs and additions to facilities located on installations. With respect to C3BP3, the DPW would stock items that a Facility Manager, unit personnel, and/or housing occupant could install directly. These items include hose bibbs, toilet and fixture devices.

b. Inspection, Testing and Maintenance.

A major task in C3BP3 implementation is inspection, testing and maintenance of existing and new backflow prevention devices. A trained contractor or DPW labor will accomplish the periodic inspection and testing of all devices. The maintenance required for pressure vacuum breakers, double check valve assemblies, and reduced pressure zone assemblies will also be performed by trained DPW labor or contractors. The Plumbing Shop will perform the required maintenance of all other devices. This will be a part of the DPW standard maintenance or replacement of equipment program.

c. Training.

A contractor will conduct the required certification training. If someone from the Environmental Division is used, that person will tentatively be sent to the U.S. to obtain the requisite certification training and then attend a Train-the-Trainer course. This person will then hold course to train the required personnel from DPW.

Training of DPW personnel is a significant requirement for C3BP3 implementation.

d. Database Management.

Database management is the responsibility of the Environmental Division. The Environmental Division will provide a person to maintain the database with close coordination with the O&M Division, more specifically, personnel from the Plumbing Shop.

7. Point of contact for this memorandum is Chief, Environmental Division, DPW, USAG RC and Area I at DSN 732-6537.

JOHN W. HAEFNER
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Commanding

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