

NAVSEA  
STANDARD ITEM

FY-16

ITEM NO: 009-87  
DATE: 18 JUL 2014  
CATEGORY: I

1. SCOPE:

1.1 Title: Chemical Disinfection Procedures; accomplish

2. REFERENCES:

2.1 NAVMED P-5010-6, Manual of Naval Preventive Medicine, Chapter 6,  
Water Supply Afloat

3. REQUIREMENTS:

3.1 Accomplish disinfection of each affected potable water system (*e.g.*, tank, pump, piping and hoses) in accordance with 2.1.

3.2 Accomplish a halogen (chlorine) residual test for each affected potable water system. Acceptable free available chlorine (FAC) shall meet minimum levels specified in 2.1.

3.2.1 Submit one legible copy, in approved transferrable media, of the chlorine residual test to the SUPERVISOR not later than *one day* after the completion of the test, stating that minimum FAC level has been met in accordance with 2.1.

3.3 Secure and tag out each affected potable water system upon completion of the chlorine residual test.

3.4 Accomplish a bacteriological test for each affected potable water system.

3.4.1 Bacteriological testing must be accomplished at laboratories certified by state regulatory agencies in states having primacy, or by the Regional EPA Office in states not having primacy.

3.4.2 Submit one legible copy, in approved transferrable media, of completed report to the SUPERVISOR not later than *one day* after the completion of the test, with certification that the water is safe for human consumption.

3.5 Remove each tag upon completion of satisfactory bacteriological test and release each potable water system for Ship's Force use.

3.6 Accomplish localized disinfection of new and disturbed pipe fittings, pipe ends, and valves in accordance with Article 6-23c of 2.1.

3.7 Remove and dispose of chlorinated water and all rinse water in accordance with federal, state, and local laws, codes, ordinances, and regulations.

4. NOTES:

4.1 Do not take calcium hypochlorite in dry powder form aboard ship. Mixing is to be done ashore.

4.2 2.1 can be accessed at:

<http://navymedicine.med.navy.mil> (use link to Navy Medicine Directives, Publications and Manuals)

or

<http://www-nehc.med.navy.mil/downloads/prevmed/NewP-5010-6.pdf>