

NAVSEA
STANDARD ITEM

FY-28

ITEM NO: 009-087
DATE: **01 OCT 2025**
CATEGORY: II

1. SCOPE:

1.1 Title: Chemical ***Sanitization*** Procedure; accomplish

2. REFERENCES:

2.1 ***S9086-SE-STM-010/533, Naval Ships' Technical Manual Chapter 533 Potable Water Systems***

3. REQUIREMENTS:

3.1 Process Control Procedure (PCP) for the ***sanitization*** of each affected potable water system (e.g., tank, pump, piping and hoses) must be in accordance with NAVSEA Standard Items and 2.1. (See Note 4.2)

3.2 Accomplish a halogen (chlorine) residual test for each affected potable water system. Acceptable free available chlorine (FAC) must 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 Environmental Protection Agency (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 chemical localized *sanitization* of each new and disturbed pipe fitting, pipe end, and valve in accordance with *paragraph 533-3.2.3.2* 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.

3.8 Mixing or taking calcium hypochlorite in dry powder form aboard ship is prohibited.

4. NOTES:

4.1 2.1 can be accessed at:

<https://mbps.navsea.cloud.navy.mil/Windchill> (Model Based Product Support website).

4.2 If a Process Control Procedure (PCP) for the chemical *sanitization* of each affected potable water system (e.g. tank, pump, piping and hoses) is required; the use of Category II NAVSEA Standard Item 009-009 “Process Control Procedure (PCP); provide and accomplish” of NAVSEA Standard Items will be specified in the Work Item.