

Summary Report for Individual Task  
551-88L-3058  
Troubleshoot a CBRN Water Washdown System  
Status: Approved

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD5** - This product/publication has been reviewed by the product developers in coordination with the [installation/activity name] foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

**Condition:** Aboard a vessel, at sea, at anchor or moored alongside a pier, day or night, under all sea and weather conditions, given a vessel equipped with a CBRN Water Washdown System, using the appropriate technical manuals, while wearing appropriate PPE, (i.e . hearing protection, Nitrile gloves, eye protection, etc.) with no injuries and/or damage to equipment.

**Standard:** The Soldier knows and can correctly conduct troubleshooting procedures for an insufficient water curtain and no water flow pertaining to the CBRN Water Washdown System.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:**

<b>Task Statements</b>
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**Cue:** None

<b>DANGER</b>
None

<b>WARNING</b>
None

<b>CAUTION</b>
None

**Remarks:** None

**Notes:** None

### Performance Steps

1. Demonstrate the proper troubleshooting procedures for an insufficient water curtain.
  - a. Check for proper alignment of the CBRN piping system in accordance with the vessel SOP.
  - b. Check for proper fire main system operating pressure.
  - c. Ensure that all valves are fully open.
  - d. Check the water pressure at a fire station located in the vicinity of the CBRN spray nozzles.
  - e. Check for clogged piping and/or spray nozzles, (refer to Figure 551-88L-3058\_01).

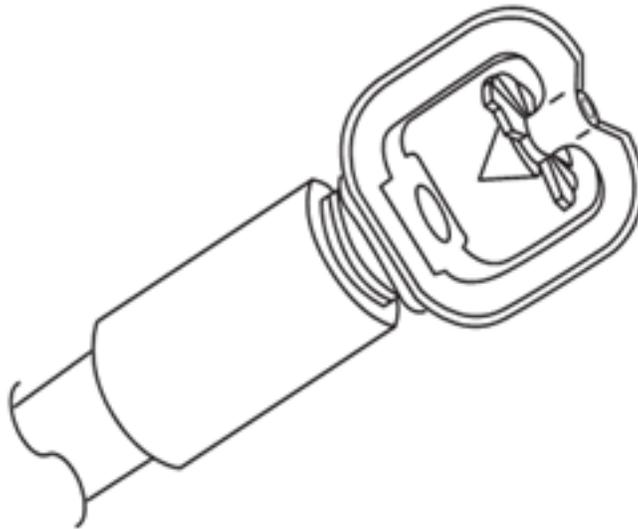
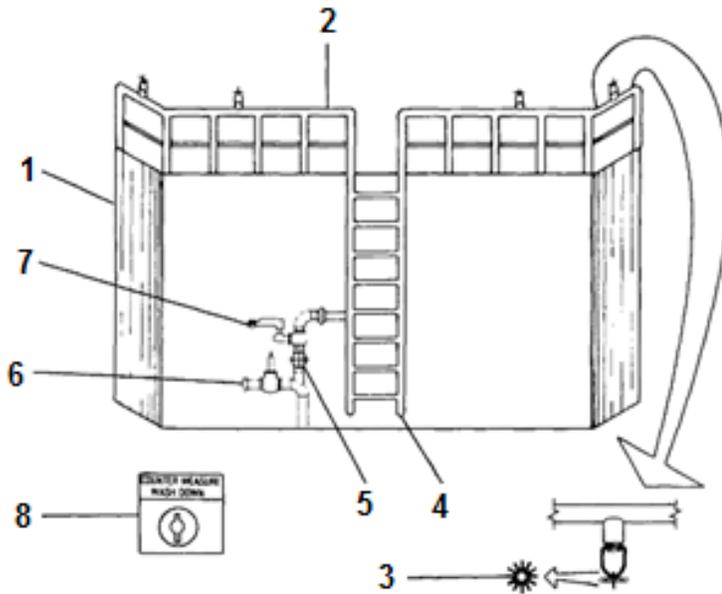


Figure 551-88L-3058\_01  
Sprinkler head

2. Demonstrate the proper troubleshooting procedures for no water flow at the spray nozzles.
  - a. Check for proper alignment of the CBRN piping system in accordance with the vessel SOP.
    - (1) Is the CBRN control valve unlocked and open.
    - (2) If there is a failure of the solenoid control valve, is the manual bypass valve open, (refer to Figure 551-88L-3058\_02).



- |                   |                                     |
|-------------------|-------------------------------------|
| 1 AFT PILOTHOUSE  | 5 MANUAL VALVE                      |
| 2 WASHDOWN PIPING | 6 FIRW STATION #12                  |
| 3 SPRINKLER HEAD  | 7 SOLENOID OPERATED VALVE           |
| 4 DRAIN VALVE     | 8 KEY OPERATED SWITCH IN PILOTHOUSE |

Figure 551-88L-3058\_02  
Solenoid valve / Bypass valve

b. Ensure the primary fire pump is energized and the fire main system is properly aligned in accordance with the vessel SOP.

c. If primary fire pump is Out Of Commission (OOC);

(1) Ensure the secondary fire pump is energized and the system is properly aligned to provide fire main pressure in accordance with the vessel SOP.

(2) Ensure the emergency fire pump is energized and the system is properly aligned to provide fire main pressure in accordance with the vessel SOP.

(3) Ensure the bilge/ballast pumps are energized and the system is properly aligned to provide fire main pressure in accordance with the vessel SOP.

d. Check for water flow at a fire station located in the vicinity of the CBRN spray nozzles.

e. Check for clogged piping and/or spray nozzles.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** None

**Evaluation Preparation:** None

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Demonstrated the proper troubleshooting procedures for an insufficient water curtain.			
a. Checked for proper alignment of the CBRN piping system in accordance with the vessel SOP.			
b. Checked for proper fire main system operating pressure.			
c. Ensured that all valves were fully open.			
d. Checked the water pressure at a fire station located in the vicinity of the CBRN spray nozzles.			
e. Checked for clogged piping and/or spray nozzles.			
2. Demonstrated the proper troubleshooting procedures for no water flow at the spray nozzles.			
a. Checked for proper alignment of the CBRN piping system in accordance with the vessel SOP.			
b. Ensured the primary fire pump was energized and the fire main system was properly aligned in accordance with the vessel SOP.			
c. If primary fire pump is Out Of Commission (OOC);			
(1) Ensured the secondary fire pump was energized and the system was properly aligned in accordance with the vessel SOP.			
(2) Ensured the emergency fire pump was energized and the system was properly aligned in accordance with the vessel SOP.			
(3) Ensured the bilge/ballast pumps were energized and the system was properly aligned in accordance with the vessel SOP.			
d. Checked for water flow at a fire station located in the vicinity of the CBRN spray nozzles.			
e. Checked for clogged piping and/or spray nozzles.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	TM 55-1905-223-SDC	SHIPBOARD DAMAGE CONTROL MANUAL FOR LANDING CRAFT UTILITY (LUC) (NSN 1905-01-154-1191)	No	No
	TM 55-1915-200-10	Operator's Manual for Logistic Support Vessel (LSV) (NSN 1915-01-153-8801) (Reprinted W/Basic Incl C1-6)	No	No
	TM 55-1915-254-10-1	OPERATOR'S MANUAL FOR LOGISTICS SUPPORT VESSEL (LSV-7 & -8)	No	No
	TM 55-1915-254-10-2	OPERATOR'S MANUAL FOR LOGISTICS SUPPORT VESSEL (LSV-7 & -8)	No	No
	TM 55-1925-273-SDC	SHIPBOARD DAMAGE CONTROL MANUAL FOR INLAND AND COASTAL LARGE TUG (LT)	No	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and

water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
551-88L-2052	Maintain a CBRN Water Washdown System	551 - Transportation (Individual)	Approved
551-88L-1033	Demonstrate Basic Knowledge of a CBRN Washdown System	551 - Transportation (Individual)	Analysis

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
551-88L-1033	Demonstrate Basic Knowledge of a CBRN Water Washdown System	551 - Transportation (Individual)	Approved
551-88L-1033	Demonstrate Basic Knowledge of a CBRN Washdown System	551 - Transportation (Individual)	Analysis
551-88L-2052	Maintain a CBRN Water Washdown System	551 - Transportation (Individual)	Approved

**Supported Collective Tasks :** None

**ICTL Data :**

ICTL Title	Personnel Type	MOS Data
88L40 Watercraft Engineer	Enlisted	MOS: 88L, Skill Level: SL4, Duty Pos: TGB, LIC: EN, SQI: O
88L30 Watercraft Engineer	Enlisted	MOS: 88L, Skill Level: SL3, Duty Pos: TFR, LIC: EN