

**Summary Report for Individual Task
101-92F-9009
Direct Water Operations
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: You are a Petroleum and Water Officer in a theater/area of operations (AO). You are responsible for directing water operations. You have access to the current table of organization (TOE) for all assigned and supported units, personnel and equipment, higher headquarters (HQ) operation plan (OPLAN) and/or operation order (OPORD), unit tactical standing operating procedure (TSOP), status reports, maps, overlays, communication equipment, and current digitized automated logistics support systems. You have full access to all applicable reference materials to include the CASCOW Water Planning Guide. Operational environment (OE) variables and actors such as infrastructure, physical environment, and time, must be considered. Threat capabilities cover a full spectrum including information gathering, hostile force sympathizers, and terrorist activities. Some iterations of this task should be performed in MOPP.

Standard: Water support is continuous from the outset of the operations at levels that sustain the operational momentum in accordance with higher HQ guidance. Water requirements and quality meets the standards of technical bulletin (TB) MED 577.

Special Condition: None

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: The operational environment (OE) is a compilation of all the critical variables and actors that create the conditions, circumstances, and influences that can affect military operations today and in the near- and mid-term. The OE is continuously changing and requires continuous adaptation for each mission. All Army elements must be prepared to enter any environment and perform their missions while simultaneously dealing with a wide range of unexpected threats and other influences. Units must be ready to counter these threats and influences and, at the same time, be prepared to deal with various third-party actors, such as international humanitarian relief agencies, news media, refugees, and civilians on the battlefield. These groups may or may not be hostile to us, but they can affect the unit's ability to accomplish its mission.

Performance Steps

1. Apply the composite risk management (CRM) process.
 - a. Identify and assess the hazards associated with the mission/operation.
 - b. Develop and implement controls and command guidance to eliminate or reduce risk and safety hazards.
 - c. Continuously assess the hazards, report risks and implement risk reduction measures as required.
 - d. Continuously assess the effectiveness of risk reduction measures.
2. Direct water support operations.
 - a. Monitor water supply operations for compliance with petroleum and water support plan.
 - b. Coordinate with higher HQ and subordinate units/elements for daily water support requirements.
 - c. Coordinate water purification operations with higher HQ and subordinate units/elements.
 - d. Coordinate water storage and distribution operations with higher HQ and subordinate units/elements.
 - e. Coordinate water quality analysis/surveillance program with higher HQ and subordinate units/elements.
3. Direct bulk water terminal operations.
 - a. Monitor operations and maintenance of the communications network for compliance with communications plan.
 - b. Monitor operations of central dispatching for compliance with bulk water terminal distribution plan.
 - c. Monitor status of movements of bulk water by hoseline for compliance with bulk water distribution plan.
 - d. Verify maintenance status of distribution equipment and storage facilities for operational readiness.
 - e. Direct quality surveillance program.
 - f. Monitor internal support operations of support units for readiness status.
 - g. Monitor operations of storage facilities for compliance with water distribution plan.
 - h. Monitor hoseline operations for compliance with water distribution plan.
4. Coordinate water support during offensive operations.
 - a. Identify all sustainment controls and priorities listed in the service support order.
 - b. Implement increased consumption plan in coordination with higher echelon logistics staff elements and supported units/elements.
 - c. Submit recommendations to higher echelon logistics staff element(s) when adjustments to water forecasts are needed.

d. Coordinate relocation of water supply points to forward locations with supported units/elements as the attack develops.

e. Forward revisions of customer support lists to higher echelon logistics staff and supported units/elements, as required.

f. Coordinate throughput of bulk water distribution with command and supported unit/elements logistics staff elements.

g. Coordinate bulk water airdrop or slingload resupply with command and supported unit/elements logistics staff elements.

5. Coordinate water support during defensive operations.

a. Relocate water assets by echelon to the rear in coordination with command/brigade staff elements and higher echelon logistics staff.

b. Direct supported units/elements to upload as much water assets as possible.

6. Coordinate water support during retrograde operations.

a. Coordinate limiting the flow of water products forward with higher echelon staff elements, within the command/brigade staff elements, and with supported units/elements.

b. Coordinate evacuation of water products to planned fallback points as directed by higher echelon staff elements and in coordination with supported units/elements.

c. Coordinate disposal of water with higher echelon staff elements, within the command/brigade staff, and with supported units/elements.

d. Coordinate security requirements with the command/brigade intelligence and operations staff elements.

e. Coordinate the evacuation of supplies and equipment at night and other periods of limited visibility with the command/brigade intelligence and operations staff elements and supporting units/agencies.

7. Coordinate water support in a chemical, biological, radiological, and nuclear (CBRN) environment.

a. Monitor location, type, and amount of contaminated water within the command/brigade logistics support areas.

b. Direct disposal of contaminated water in coordination with command/brigade and higher echelon staff.

8. Enforce Environmental Stewardship Protection Program procedures.

a. Monitor operations to ensure compliance with Environmental Stewardship Protection Program.

b. Ensure subordinates are familiar with local, state, federal, and host nation environmental laws that apply to them, as well as local SOPs and policies.

c. Conduct environmental risk assessments associated with the mission.

d. Ensure that hazardous substances are stored and turned in, in accordance with local policies and environmental regulations.

e. Ensure the appropriate equipment is on hand for hazardous material spill containment and cleanup.

f. Ensure petroleum and other hazardous spills are immediately reported via the chain of command.

9. Enforced safety procedures.

a. Identify safety requirements by reviewing TSOP and appropriate directives.

b. Prepare safety directives for subordinate units as required.

c. Monitor operations to ensure compliance with safety regulations and procedures.

d. Ensure subordinates follow technical manual safety precautions and warnings.

e. Conduct periodic site inspections for adherence to program directives.

10. Maintain situational awareness using available communications/information systems.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any steps are failed. If the soldier scores a NO GO, show what was done wrong and how to do it correctly.

Evaluation Preparation: At the test site provide all materials that are relevant to the task to include those mentioned in the condition statement.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Applied CRM process.			
2. Directed water support operations.			
3. Directed bulk water terminal operations.			
4. Coordinated water support during offensive operations.			
5. Coordinated water support during defensive operations.			
6. Coordinated water support during retrograde operations.			
7. Coordinated water support in a CBRN environment.			
8. Enforced Environmental Stewardship Protection Program procedures.			
9. Enforced safety procedures.			
10. Maintained situational awareness using available communications/information systems.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 700-136	TACTICAL LAND-BASED WATER RESOURCES MANAGEMENT	Yes	No
	CASCOM WPG-1	CASCOM Water Planning Guide	Yes	No
	FM 10-115	QUARTERMASTER WATER UNITS	Yes	No
	FM 10-52	WATER SUPPLY IN THEATERS OF OPERATIONS	Yes	No
	FM 10-52-1	WATER SUPPLY POINT EQUIPMENT AND OPERATIONS	Yes	No
	FM 3-100.4	Environmental Considerations in Military Operations [MCRP 4-11B]	No	No
	FM 5-19	COMPOSITE RISK MANAGEMENT	Yes	No
	JP 4-03	Joint Bulk Petroleum and Water Doctrine	Yes	No
	TB MED 577	Sanitary Control and Surveillance of Field Water Supplies	Yes	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. 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.

- a. Ensure that all necessary actions are taken to prevent, control, and abate environmental pollution related to fuel facilities, activities, and programs.
- b. Comply with unit SOP/OPLAN/OPORD, local, state, federal, and host nation laws, as well as, international environmental laws and treaties for the handling and disposal of fuel and hazardous materials (such as, used oil, contaminated fuel, and chemical test kits).
- c. Before performing this task, read and comply with appropriate Material Safety Data Sheet (MSDS). Wear the appropriate personal protective equipment (PPE). Clean and secure the PPE upon completion of this task.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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. Safety is paramount to the successful execution of military operations. Enforce safety, and ensure safety procedures are incorporated into all aspects of operations. As a manager, verify that personnel are adequately trained to operate in all environments. Ensure personnel have all required safety equipment and gear. Provide access to the latest safety-proven procedures, fire fighting equipment, and safe chemical handling guide, including substitutions.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
10-6-4062	Coordinate Host Nation Water Resources	10 - Quartermaster (Collective)	Approved
63-6-4062	Coordinate Host Nation Petroleum and Water Supply Support	63 - Multifunctional Logistics (Collective)	Approved
10-6-0207	Conduct Water Liaison Activities	10 - Quartermaster (Collective)	Approved

10-2-0241	Direct Water Operations	10 - Quartermaster (Collective)	Approved
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ICTL Data :

ICTL Title	Personnel Type	MOS Data
Petroleum and Water Officer	Officer	AOC: 90A, Rank: CPT, SI: R8, LIC: YY