

Training and Evaluation Outline Report

Status: Approved

15 Jun 2015

Effective Date: 21 Sep 2020

Task Number: 10-BDE-0202

Task Title: Conduct Petroleum and Water Support Operations

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

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Lee, Virginia foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	ATP 3-34.5	Environmental Considerations	Yes	No	http://www.army.mil/usapa/doctrine/Active_FM.html
	ATP 4-43	Petroleum Supply Operations	Yes	Yes	http://www.army.mil/usapa/doctrine/Active_FM.html
	FM 10-115	QUARTERMASTER WATER UNITS	Yes	No	http://www.army.mil/usapa/doctrine/Active_FM.html
	FM 10-52	WATER SUPPLY IN THEATERS OF OPERATIONS	Yes	No	http://www.army.mil/usapa/doctrine/Active_FM.html
	FM 4-01	Army Transportation Operations http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm4_01.pdf	Yes	No	http://www.army.mil/usapa/doctrine/Active_FM.html

Conditions: The Quartermaster Petroleum Group Support Operations Section received an operations order (OPORD) from higher headquarters to coordinate for Petroleum and Water Support Operations in support of higher headquarters operational mission. Planning data, requirements, distribution plan, schedules, overlays, and other pertinent documentation are available. The support operations section has primary access to main supply routes, external logistical support, and it is accessible to all supported and supporting customers/units. Transportation requirements for movement of bulk petroleum by means other than the pipeline are generated by the tactical situation. Subordinate and attached units are located from port of entry as far forward into the corps areas as practical. Continuous digital and analog communications have been established. All applicable regulations, tactical standard operating procedures (TSOP), technical manuals (TMs), and field manuals (FMs) are on-hand as reference material. The section has been provided guidance on rules of engagement for this mission. Threat capabilities include operational forces which have the ability to gather information, interact with hostile force sympathizers, coordinate suicide bombings, set up improvised explosive devices (IEDs), coordinate air support, and execute reinforced platoon/squad operations in a chemical, biological, radiological, and nuclear (CBRN) environment. Mission, enemy, terrain and weather, troops and support available-time available and civil considerations (METT-TC) identified constraints must be met. The unit is not likely to be attacked with hostile enemy fire or chemical agents. This task will be performed under all environmental conditions. All authorized section equipment is on hand and operational. All section personnel are available to conduct section during all day and night operations. Specified time constraints are identified in the operations order. The section has adequate time to prepare. Unit leaders are present in the area of operations. This task should not be trained in MOPP 4.

Standards: The Quartermaster Petroleum Group Support Operations Section coordinates for Petroleum and Water Operations with the use of all available equipment, resources, and personnel within the specified time constraints in the mission OPORD and in accordance with (IAW) the group commanders guidance, applicable internal and external TSOPs, and approved doctrine in support of unified land operations. All METT-TC constraints are met.

Live Fire: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare		Execute						Assess	
Operational Environment	Training Environment (L/V/C)	Leaders Present at Training/Required	Present at Training/Required	External Eval	Performance Measures	Critical Performance Measures	Leader Performance Measures	Evaluator's Observed Task Proficiency Rating	Commander's Assessment
BDE & Above									
Dynamic and Complex (All OE Variables and Hybrid Threat)	Night	IAW unit CATS statement.	>=85%	>=80%	Yes	All	80-90%	T	T
			75-84%						
Dynamic and Complex (All OE Variables and Single Threat)	Day		65-74%	75-79%	No	<All	80-89%	P	P
			60-64%	60-74%					
Dynamic and Complex (<All OE Variables and Single Threat)			<=59%	<=59%			<=79%	U	U

Remarks: Task steps and performance measure are arranged in a logical order and are not intended to be interpreted as a “required order” for performance. These task steps and/or performance measures of collective task may not always be applicable to every unit. Prior to evaluation, coordination should be made between the evaluator, the unit itself, and the evaluated units' higher headquarters (if required) to determine the task step(s) and/or performance measure(s) that may be omitted and/or must be performed. Training begins with the execution of pre-combat checks and inspections. Training ends when designated training objectives for the particular training events or exercises are performed to Army standard. Unit leadership should conduct an after action report (AAR) to determine future training requirements for the unit.

Notes: REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS: You can help improve this collective task. If you find any errors, or if you would like to recommend any improvements to the procedures in this collective task, please let us know. The preferred method is to submit a DA Form 2028 (Recommended Changes to Publications and Blank Forms) with your recommended changes via email to usarmy.lee.tradoc.mbx.cascom-g3-collective@mail.mil. Your recommended changes will be reviewed, validated to ensure approved Army or joint doctrine supports your recommendation(s), implemented as applicable, and a reply will be furnished to you.

Safety Risk: Low

Task Statements

Cue: The Quartermaster Petroleum Group Support Operations Section received an OPORD from higher headquarters to coordinate for Petroleum and Water Support Operations.

DANGER

NONE.

WARNING

NONE.

CAUTION

NONE.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

GO	NO-GO	N/A
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STEP/MEASURE

1. Support Operations Section coordinates bulk petroleum support operations.
 - a. Monitor petroleum supply operations for compliance with petroleum and water support plan.
 - b. Identify distribution requirements by reviewing allocations and priorities as established by the command section.
 - c. Identify availability of product, transportation, and consumer requirements from current petroleum data sources.
 - d. Process stock status reports from subordinate units.
 - e. Maintain availability data and stock position.
 - f. Identify method of transportation for petroleum products.
 - g. Coordinate movement of petroleum products through pipelines with supported and supporting units.
 - h. Coordinate movement of petroleum products by means other than pipeline with the Transportation Branch.
 - i. Prepare movement schedules for distribution of bulk petroleum products to consumer units.
 - j. Forward schedules to dispatchers in subordinate units for daily distribution.
2. Support Operations Section directs water support operations.
 - a. Monitor water supply operations for compliance with petroleum and water support plan.
 - b. Coordinate with theater Army for planning operations to comply with applicable national, state, local, and host nation environmental laws.
 - c. Coordinate with subordinate units for daily water support requirements.
 - d. Coordinate water purification operations with subordinate units.
 - e. Coordinate water storage and distribution operations with subordinate units.
 - f. Coordinate water quality analysis and surveillance program with subordinate units.
3. Transportation Branch directs distribution and movement of petroleum products by means other than pipeline.
 - a. Coordinate with Petroleum, Plans, Requirements, and Distribution Branch for bulk petroleum distribution requirements by rail, highway, air, and water.
 - b. Coordinate with supporting transportation units, field service units, and TRANSCOM for transportation support for movement of petroleum products by rail, highway, air, and water transport.
 - c. Identify quantity and type of bulk petroleum allocated for distribution by rail, highway, air, or water.
 - d. Program movement of bulk petroleum by rail, highway, air, and water.
 - e. Coordinate delivery schedules of bulk petroleum to receiving units with subordinate elements.
 - f. Monitor movement of bulk petroleum by rail, highway, air, and water for compliance with group petroleum and water support plan.
 - g. Coordinate resolutions for transportation delays or problems with the Group Freight Movement Officer.
 - h. Prepare appropriate reports of movement activities.
 - i. Maintain records of movement activities.
 - j. Provide status update of movement activities to Group Freight Movement Officer.
4. Facilities Branch coordinates petroleum system requirements.
 - a. Coordinate present and future pipeline requirements with Plans Officer.
 - b. Prepare plans for construction and rehabilitation of pipeline terminal and storage facilities.
 - c. Coordinate construction, expansion, and rehabilitation of pipeline systems and storage facilities with Theater Sustainment Command (TSC) and supporting engineers.
 - d. Monitor construction and rehabilitative efforts for compliance with approved plans.
 - e. Monitor supporting engineer field maintenance activities on petroleum facilities and pipeline systems for compliance with current standards and directives.
 - f. Inspect pipeline and terminal facilities for compliance with safety directives and operational readiness.
 - g. Reviews batching and scheduling information and pumping orders.
5. Support Operations Section coordinates procedures to be taken in the event of a petroleum spill.
 - a. Ensure cleanup is accomplished IAW environmental guidelines, approved Army doctrine, unit internal and external TSOP.
 - b. Coordinate with the Quality Surveillance and Safety Branch to ensure proper procedures are followed in matters such as cleanup and notifications.
 - c. Determine the agencies and personnel to be notified outside the group; considers: higher headquarters, public affairs officer, civil affairs officer, Military Sealift Command, fire department, post authorities, facility engineers, and supporting engineer units.
 - d. Monitors notification and cleanup activities to resolve shortfalls.
 - e. Report to commander and higher headquarters when situation has been resolved.

Task Performance Summary Block										
Training Unit			ITERATION							
			1		2		3		4	
Date of Training per Iteration:										
Day or Night Training:			Day / Night		Day / Night		Day / Night		Day / Night	
			#	%	#	%	#	%	#	%
Total Leaders Authorized		% Leaders Present								
Total Soldiers Authorized		% Soldiers Present								
Total Number of Performance Measures		% Performance Measures 'GO'								
Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Live Fire, Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Total Number of Leader Performance Measures		% Leader Performance Measures 'GO'								
MOPP LEVEL										
Evaluated Rating per Iteration T, T-, P, P-, U										

Mission(s) supported: None

MOPP 4: Never

MOPP 4 Statement: Night vision goggles are not required to conduct this task. However, they may be required when conducting sustainment unit operations, during moment, or Soldier duties as assigned.

NVG: Never

NVG Statement: Night vision goggles are not required to conduct this task. However, they may be required when conducting sustainment unit operations, during moment, or Soldier duties as assigned.

Prerequisite Collective Task(s): None

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	10-BDE-0206	Conduct Petroleum Liaison Functions	10 - Quartermaster (Collective)	Approved
	10-BDE-4062	Coordinate Host Nation Water Resources	10 - Quartermaster (Collective)	Approved
	10-GRP-0200	Develop Petroleum and Water Operations Estimates	10 - Quartermaster (Collective)	Approved
	10-GRP-0201	Coordinate Bulk Potable Water Support Requirements	10 - Quartermaster (Collective)	Approved
3.	55-CTR-0004	Coordinate Use of Host Nation or Contracted Rail Assets (Center)	55 - Transportation (Collective)	Approved

OPFOR Task(s): None

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-239-3030	Read Construction Prints	052 - Engineer (Individual)	Approved
	052-239-3033	Supervise a Building Layout	052 - Engineer (Individual)	Approved
	052-239-3039	Supervise the Construction of Concrete Forms and Structures	052 - Engineer (Individual)	Approved
	052-248-1040	Interpret Plumbing Prints and Drawings	052 - Engineer (Individual)	Approved
	101-FR8-9025	Manage Water QA/QS Program	101 - Quartermaster (Individual)	Approved
4.	052-239-3030	Read Construction Prints	052 - Engineer (Individual)	Approved
4.	052-239-3039	Supervise the Construction of Concrete Forms and Structures	052 - Engineer (Individual)	Approved
4.	052-239-3033	Supervise a Building Layout	052 - Engineer (Individual)	Approved
4.	052-248-1040	Interpret Plumbing Prints and Drawings	052 - Engineer (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 4.1.3.3.1	Provide Bulk Fuel
ART 4.1.3.11	Provide Water Support

TADSS

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

Equipment (LIN)

LIN	Nomenclature	Qty
No equipment specified		

Materiel Items (NSN)

NSN	LIN	Title	Qty
No materiel items specified			

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 the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. It is the responsibility of all Soldiers and DA civilians to protect the environment from damage.

Safety: In a training environment, leaders must perform a risk assessment in accordance with current Risk Management Doctrine. 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 current CBRN doctrine. Leaders must verify the structural soundness of all training and evaluation plans from a safety viewpoint. Leaders must conduct training at levels consistent with the abilities of the soldiers being trained. They must instill an awareness of individual safety in all subordinate leaders and soldiers. Soldiers must constantly be alert for and avoid situations that may result in injury or death. At the training site, leaders must establish training safety overview procedures. Safety procedures should emphasize the adherence to standards, consideration of environmental factors (for example wet bulb), risk assessment, and factors contributing to and aiding in the prevention of accidents. Responsible individuals must know how to balance the risks against the training requirements and monitor conditions for safety and health hazards (to eliminate or control them). Leaders must ensure the welfare of their soldiers in all situations. Leaders must establish a buddy system for safety. Soldiers should maintain a safety watch on each

other, with emphasis on individual safety training and first aid responsibilities. All unsafe conditions and unsafe acts must be recognized. Soldiers must be alert to human error and know the capabilities and limitations of the equipment and vehicles they use. Following the proper safety procedures preserves troop strength by preventing personnel losses through accidents.