

**101-FR8-9010**  
**Manage Petroleum Pipeline Operations**  
**Status: Approved**

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**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, VA foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

**Condition:** You are a Petroleum and Water Officer responsible for managing petroleum pipeline operations. Personnel and equipment required to perform the task: MOS qualified 92F Soldiers, an operational pipeline system (Inland Petroleum Distribution System (IPDS) with petroleum products, communication equipment, safety data sheets (SDS), fire extinguishers, spill kits/containment and clean up equipment, Facility Response Plan (FRP), and Spill Prevention Control and Countermeasures (SPCC) plan. You have access to higher headquarters (HQ) operation plan (OPLAN) and/or operation order (OPORD), unit standing operating procedure (SOP), all applicable references, status reports, maps, and overlays. 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. This task should not be trained in MOPP 4.

**Standard:** Ensure delivery schedules for each batch are met with no interruption in service and without commingling of products or damage to equipment or the environment. The bulk petroleum requirements needed to support the mission must be met.

**Special Condition:** None

**Safety Risk:** Medium

**MOPP 4:** Never

**Task Statements**

**Cue:** None

**DANGER**

None

**WARNING**

Petroleum, Oil and Lubricants (POL) handlers must be well trained and supervised to prevent catastrophic injury to both personnel and equipment, especially in storage and transfer operations. When monitoring or coordinating fuel operations, ensure static discharge grounding procedures are rigorously applied and all appropriate safety precautions are adhered to.

**CAUTION**

None

**Remarks:** None

**Notes:** None

### Performance Steps

1. Verify a risk assessment has been completed and controls implemented. If not, THEN conduct a risk assessment and implement controls as required.
2. Ensure pipeline communications system has been established.
3. Identify when and where specific products are to be needed.
4. Calculate storage space available at facilities.
5. Verify the amount of product in each batch.
6. Verify start and stop times of all pumping operations.
7. Calculate pipeline pump station pressures and flow rates.
8. Determine time required for product to reach its destination.
9. Ensure consumption graphs are properly prepared for each product.
10. Ensure monthly pipeline schedules are prepared properly.
11. Ensure daily pumping schedules show the daily pipeline operations.
12. Ensure graphic progress chart illustrates all scheduled pumping and delivery operations.
13. Ensure safety procedures are being followed.
14. Ensure environmental protection measures are being followed.
15. Ensure all records and reports are prepared and maintained in accordance with regulations and unit SOP.

(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. Verified a risk assessment has been completed and controls were implemented.                               |    |       |     |
| 2. Ensured pipeline communications system was established.  |    |       |     |
| 3. Identified when and where specific products were to be needed.   |    |       |     |
| 4. Calculated storage space available at facilities.  |    |       |     |
| 5. Verified the amount of product in each batch.  |    |       |     |
| 6. Verified start and stop times of all pumping operations.   |    |       |     |
| 7. Calculated pipeline pump station pressures and flow rates.   |    |       |     |
| 8. Determined time required for product to reach its destination.   |    |       |     |
| 9. Ensured consumption graphs were properly prepared for each product.  |    |       |     |
| 10. Ensured monthly pipeline schedules were prepared properly.  |    |       |     |
| 11. Ensured daily pumping schedules showed the daily pipeline operations.                                     |    |       |     |
| 12. Ensured graphic progress chart illustrated all scheduled pumping and delivery operations.                 |    |       |     |
| 13. Ensured safety procedures were followed.  |    |       |     |
| 14. Ensured environmental protection measures are being followed.   |    |       |     |
| 15. Ensured all records and reports were prepared and maintained in accordance with regulations and unit SOP. |    |       |     |

**Supporting Reference(s):**

| Step Number | Reference ID | Reference Name              | Required | Primary |
|-------------|--------------|-----------------------------|----------|---------|
|             | ATP 4-43     | Petroleum Supply Operations | No       | No      |

**TADSS :** None

**Equipment Items (LIN):**

| LIN    | Name                     |
|--------|--------------------------|
| R45543 | Radio Set: AN/VRC-92F(C) |

**Materiel Items (NSN) :**

| Step ID                     | 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.

**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 :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None

**ICTL Data :**

| <b>ICTL Title</b>  | <b>Personnel Type</b> | <b>MOS Data</b>                      |
|--|-----------------------|--------------------------------------|
| Petroleum and Water Officer<br>ICTL (CMDT<br>Appr 6 Mar<br>2014) | Officer               | AOC: 90A, Rank: CPT, SI: R8, LIC: YY |