



**MONTGOMERY COUNTY FIRE AND RESCUE SERVICE  
DRIVER/OPERATOR TRAINING PROGRAM**

## Practical Application Guide Sheet

Engine: WMATA Water Supply

**Candidate Performance Competency:** The candidate will demonstrate proficiency in the supply of a WMATA standpipe Fire Department Connection (FDC) at a fan/vent shaft or emergency exit shaft.

- At the discretion of the Evaluator, testing may be conducted through simulation or verbally or a combination of both.
- The candidate will establish a water supply using a heavy-water hookup.
- The candidate will deploy the necessary hose to supply an actual or simulated WMATA FDC.
- The candidate will demonstrate or describe the unique procedures or characteristics of supplying a WMATA FDC.

Task	Value	Score
1. Locate the Fire Department Connections (FDC) and the nearest hydrant. Position for access to FDC and not to impede incoming units.	5	
2. Stop Engine and apply parking brake.	1	
3. Place wheel chock on downhill side of front or rear tire. <b>(CFP)</b>	1	
4. Partially open hydrant to flush.	3	
5. Prepare a heavy-water hookup to the hydrant and charge initial supply hoseline to the pump.	5	
6. Open intake bleeder to bleed air and then close. Open MIV and note static intake pressure from hydrant. Static Intake Pressure: _____ psi	5	
7. Adjust TPM to account for hydrant pressure.	5	
8. Check FDC connections for obstructions/damage and note the depth of the riser as labeled on the FDC plate. Explain the meaning of all information printed on the connection plate. <b>(CFP)</b>	5	
9. Utilize a large-diameter discharge with 3" hoseline to supply the FDC.	5	
10. Open appropriate discharge to begin filling standpipe system at hydrant pressure with pump disengaged.	5	
11. Attach additional 3" line from another large diameter discharge to FDC and open discharge valve.	5	
12. Complete "heavy water" connections and charge the hydrant. Open intake bleeder to bleed air and then close. Open MIV.	3	

Task	Value	Score
13. Candidate will verbalize the signs that the standpipe system is filling and then full. <b>(CFP)</b>	5	
14. Candidate will verbalize the time benchmark and actions to take if the benchmark is not reached while filling. <b>(CFP)</b> <ul style="list-style-type: none"> <li>&gt;10 minutes; notify IC – may be indicative of a system failure</li> </ul>	2	
15. Once the standpipe system is full, engage pump. Listens and looks for signs that pump is engaged.	3	
16. Close Tank To Pump valve.	2	
17. Ensure all onboard foam systems are turned off. <b>(CFP)</b>	5	
18. Candidate will identify the desired discharge pressure for the standpipe given the elevation and target flow of 500gpm. <b>(CFP)</b> Calculated Pump Discharge Pressure: _____ psi	10	
19. Adjust throttle, TPM, and discharge gates as necessary to achieve desired discharge pressure. <b>(CFP)</b>	5	
20. Ensure that there is a means for water to be constantly circulating through the pump for cooling in the event that both lines are shut down. TRV should not activate. <b>(CFP)</b>	5	
21. Monitor pump panel, pump, engine compartment gauges and radio.	5	
<b>Return to Service:</b>		
22. Throttle down to idle.	1	
23. Close discharges and MIV. Shut down hydrant.	1	
24. Take pump out of gear. Return TPM to zero.	1	
25. Replace blind caps on FDC.	2	
26. Ensure that Engine is ready for service.	5	
<b>Total Points</b>	100	

## **Critical Fail Points**

*Failure to successfully perform any of the following components will result in an automatic failure of this evolution regardless of total score.*

- a) Not delivering the requested product
- b) Improper setting of the TPM at any stage of the evolution
- c) Improper discharge pressures
- d) Failure to turn OFF CAFS Air Compressor and/or foam system
- e) Loss of water/pressure in Standpipe supply line
- f) Inability to explain the meaning of any information printed on the connection plate.
- g) Inability to recognize signs of system filling or being full; i.e. status of exhaust clappers, equalizing intake and discharge pressures
- h) Failure to identify the action benchmark if the system is not filling; i.e. 10 minutes, notify Incident Command
- i) Failure to use wheel chock
- j) Activation of TRV

**Evaluator: Initial beside the final outcome of the exam below.**

\_\_\_\_ **PASS**    \_\_\_\_ **FAIL – Overall Points**    \_\_\_\_ **FAIL – Critical Failure Point**

\_\_\_\_\_  
**Evaluator Name**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Evaluator Signature**