



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

## **Practical Application Guide Sheet**

Automatic Sprinkler and Standpipe (side by side)  
(Revised March 2015)

**Driver Performance Competency:** The driver candidate shall position Engine to make appropriate connections to supply an Automatic Sprinkler Fire Department Connection (FDC). Establish a water supply and then charge the Sprinkler System. Then make appropriate connections and supply the Standpipe FDC.

1. Locate the Fire Department Connections (FDC) and the nearest hydrant.  
Position Engine for access to FDC and not to impede incoming units. \_\_\_\_\_(2)
2. Stop Engine and apply parking brake. \_\_\_\_\_(3)
3. Engage pump. Listen for pump to engage, speedometer reading approximately 10-15 MPH and green "Ok To Pump When Lit" indicator light in cab should be illuminated. Operator should also hear Air Compressor engage. \_\_\_\_\_(3)
4. Place wheel chock at appropriate location. \_\_\_\_\_(2)
5. Operator will confirm the following: Pump panel is illuminated, FoamLogix Pump is on, Air Compressor is on, there is positive discharge pressure on the Master Discharge Gauge and the "Tank To Pump" valve is open. \_\_\_\_\_(3)
6. Partially open hydrant to flush. \_\_\_\_\_(3)
7. Establish a water supply from a hydrant and setup for a "heavy water" hookup. \_\_\_\_\_(3)
8. Check FDC connections for obstructions/damage. \_\_\_\_\_(3)
9. Connect Officers High Flow Discharge to Sprinkler FDC via 3" line. \_\_\_\_\_(2)
10. Candidate must know the flow capacity of both Officers High Flow Discharges. (#1 = 1,500 GPM / #2 = 2,400 GPM) \_\_\_\_\_(5)

11. Candidate must know what the Outboard Relief Valves are set out. (Unit specific, should be around 210 PSI, candidate must test their Engine prior to taking test, if sufficient pressure can't be achieved without relief valve opening candidate must use another discharge and CMF must be notified.) \_\_\_\_\_(4)

**Outboard Relief Valve Pressure**\_\_\_\_\_

12. Open TPM to appropriate pressure. \_\_\_\_\_(2)
13. Close Tank To Pump valve. \_\_\_\_\_(3)
14. Turn OFF CAFS Air Compressor and FoamLogix pump. \_\_\_\_\_(3)
15. Open intake bleeder. Close bleeder valve after air is evacuated. Open MIV valve and note static intake pressure from hydrant. \_\_\_\_\_(3)

**Intake Pressure:** \_\_\_\_\_

16. Operate primer until water discharges. \_\_\_\_\_(2)
17. Open discharge valve supplying water to Sprinkler FDC. Throttle up to appropriate discharge pressure. (150 PSI for Sprinkler FDC) \_\_\_\_\_(2)

*Note: A successful supply to FDC may shut the water flow alarm off and drain may stop flowing water in some sprinkler systems*

**Discharge Pressure**\_\_\_\_\_

18. Connect the other Officers High Flow Discharge to the Standpipe FDC via 3" line. \_\_\_\_\_(2)
19. Adjust TPM if necessary. \_\_\_\_\_(2)
20. Open appropriate discharge supping standpipe FDC. \_\_\_\_\_(2)

21. Adjust throttle and “gate back” discharge supplying Sprinkler FDC as appropriate. \_\_\_\_\_(5)

Supply Standpipe FDC with 500gpm. 150 PSI to connection + 5 PSI/floor above the 1<sup>st</sup>, 200 PSI to 10 floor and above

\*Evaluator will inform candidate which floor is fire floor

**Sprinkler Discharge Pressure** \_\_\_\_\_

**Standpipe Discharge Pressure** \_\_\_\_\_

22. Set TPM control device as necessary. \_\_\_\_\_(5)

23. 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. \_\_\_\_\_(5)

24. Attach additional 3” lines to Sprinkler and Standpipe connections and open discharge valves. \_\_\_\_\_(2)

25. Complete “heavy water” hookup and open intake valves. \_\_\_\_\_(2)

26. Monitor pump panel - pump and engine compartment gauges. \_\_\_\_\_(2)

27. Once advised to throttle down, close discharges and MIVs. \_\_\_\_\_(2)

28. Disengage pump. \_\_\_\_\_(2)

29. Close hydrant and replace 2 1/2” plugs in FDC. \_\_\_\_\_(2)

30. Ensure Engine is ready for service. \_\_\_\_\_(5)

31. Explain the procedure/pressure for supplying a Sprinkler/Standpipe combination system. (150 PSI) \_\_\_\_\_(5)

32. Explain contingency procedures for a Standpipe system with compromised connections. \_\_\_\_\_(5)

**Total Possible Points 100**

**Candidate's Score \_\_\_\_\_**

## **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.**

- Not delivering the requested product**
- Improper setting of the TPM at any stage of the evolution**
- Improper discharge pressures**
- Failure to turn OFF CAFS Air Compressor and FoamLogix pump**
- Loss of water/pressure in Standpipe or Sprinkler supply line**
- Failure to use wheel chock**
- Activation of TRV**

**PASS**

**FAIL**

\_\_\_\_\_  
**Test Evaluator**

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

