



Rogers Fire Department Minimum Company Standards

SOP 142, FORM 90
Fourth Quarter 2010

FORWARD LAY TO THE SPRINKLER CONNECTION USING TWO SUPPLY LINES

Reference: NFPA 1410, B.1.12 2005 Edition

JPR Identification:

Purpose: The purpose of this evolution is to demonstrate the ability to connect to and operate a sprinkler connection for suppression activities. Establishing a water supply and a sufficient flow rate is essential for Rogers Fire Department during fire attack. This evolution uses a simulated sprinkler connection, one engine, and three supply lines (one LDH supply line between the hydrant and engine and two supply lines between the engine and sprinkler connection).. Performing this evolution is a coordinated effort within a crew but mainly falls to the driver / operator as his / her responsibility for completion. **Reminder: The crew will be responding to the fire floor to establish a division in an actual emergency.** All members of the crew should be proficient in their responsibilities as well as understand the duties of the other crew members. This understanding will allow them to function better as a team and enable members to function in different capacities within the crew.

Performance Outcome: Driver / Operators will establish a water supply from a hydrant and connect to the FDC. The evolution will be completed within the established time frame of 3:30 minutes. This evolution must be completed while all personnel are wearing the proper PPE.

Materials Required: Engine
Hydrant
LDH supply line
(2) 2 ½ Supply lines

Critical Teaching Points:

1. All personnel must understand each aspect of their duties, not just the application of water.
2. Personnel are encouraged to understand the responsibilities within each position on the apparatus during the evolution in order to increase the depth, knowledge, and understanding of each crew.
3. Apparatus Operators should establish water supply through the hydrant.
4. Apparatus Operators should understand hydraulics and flow as well as the pump operation of the apparatus, not simply pulling appropriate levers for fire suppression.
5. The Firefighter will establish connection to the FDC and operate dependent upon the given scenario.
6. Company officers should over see the entire operation as well as assisting in establishing any water supplies necessary for the operation.
7. If the number of personnel used to perform this evolution exceeds the normal single-engine company staffing, the additional personnel should be delayed 30 seconds before becoming involved in the evolution.
8. The evolution may be adjusted to meet the needs of the crew or to address any specific deficiencies that have been identified. These adjustments are at the discretion of the company officer. Alterations to the evolution are permitted but must be documented to include size of supply line used and number of persons used.

Standardized Instructions for Forward Lay To the Sprinkler Connection Using Two Supply Lines

1. Evolution will start with personnel in normal riding positions dressed as they would ordinarily respond to a fire. Personnel are not allowed to don all PPE prior to exiting the apparatus.
2. Seat belts are not released and doors not opened until time starts.
3. All personnel will have the appropriate level of PPE.
4. Engine Company will stage away from the hydrant and FDC. When personnel are ready, they may proceed to the designated area.
5. Time will begin when Engine stops at the hydrant or FDC.
6. Once the apparatus stops, personnel may exit the apparatus and the apparatus operator will begin operations.
7. Once the apparatus stops, the apparatus operator will ensure the wheels are chocked.
8. The company officer will oversee the entire evolution.
9. The FDC supply will be charged and flowing at a once the following criteria are met:
 - a. Water supply from hydrant is established
 - b. All personnel are in the proper PPE
 - c. Attack crew consisting of Company Officer and firefighter establish a division on upper tower floors
10. Water supply shall be established using whatever means necessary to the hydrant. *Note, the length of supply line is only a recommendation during practice however during any evaluation 300' will be the required length.*
11. The apparatus operator shall operate the FDC connection at the proper pressure and flows
12. There will be no stop in water flow to supply lines once started.
13. Complete all tasks in a safe and prudent manner
14. Complete all tasks within three and a half minutes (*evaluation only*)

