Jackson Hole Fire/EMS
Operations Manual

Approved by: Willy Watsabaugh
Willy Watsabaugh, Chief

Developed by: Jim Tucker
Jim Tucker

Title:	Forward Hose Lay
Division:	16
Article:	15
Revised:	8/1/2011
Pages:	4

PURPOSE

This procedure has been developed to provide Fire Department personnel with a department guideline for forward hose lay evolutions which can be applied to various fire ground situations.

GOALS

- Provide evolutions that will achieve the following:
- Permit a four-person engine company to efficiently complete the evolution with a minimum of physical output.
- Produce the maximum fire flow allowed by the equipment and appliances carried on the apparatus.
- Produce evolutions that are adaptable to the specific needs of emergencies in both rural and hydranted locations.

DEFINITIONS

Forward Hose Lay: The laying of a supply line (5"or 2 ½ or 3") from a water source (hydrant or Porta – Tank dump site) to the scene of the emergency.

Preconnected Hose Line: Hose of a predetermined length with a nozzle attached that is carried connected to a pump discharge.

1 ¾" Preconnect: a preconnected hose line, two hundred feet (200') in length, with an Automatic nozzle.

2 ½" preconnect: a preconnected hose line, two hundred (200') in length with an Automatic nozzle attached.

POSITIONS OF CREW MEMBERS

1. Officer (OFR) - a member riding in the right front cab position. This member (a department officer or a firefighter who is acting officer) is the supervisor of this unit and is responsible for the crew's operation and safety.

2. Engineer (ENG) - a member riding in the operator's position whom is responsible for driving the vehicle and operating the pump.

3. Firefighter #1 (FF1) - a member riding in the jump seat. This member is responsible for advancing the initial attack line in carrying out these evolutions.

4. Firefighter #2 (FF2) - a member riding in the jump seat. This member is responsible for establishing the water source (hydrant or rural water source).

EVOLUTION DESCRIPTIONS

A. One 1 ¾ preconnected hose line (fire within 200' of engine)

1. Engine Company selects hydrant or other water source. FF2 exits vehicle, secures the appropriate supply line and hydrant bag. FF2 will remain in this position to make the necessary connections after hose is laid out.

2. FF2 motions to the ENG when he/she has secured one end of the selected supply hose, and it is safe for the engine to begin the forward lay.

3. The engine will drive forward at a speed of 5-10 mph, taking care to avoid blocking the entire road with the supply line. FF1 will walk with the Engine ensuring that the hose comes off in proper order. The Engine shall be positioned "just short" or "just past" the fire building.

4. FF1will advance a preconnected 1 ¾" attack line to a point directed by the OFR. The OFR will perform a 360 degree walk around and size up and will assist in advancing the hose line.

5. The ENG will supply the attack line with tank water upon the officer's request.

6. [Hydrant Operations Only]FFI will connect a gate valve on an alternate discharge on the hydrant. FF1 will connect the portable hydrant to the end of the supply line. The ENG will connect the portable hydrant to the Engine. FF2 confirms with the ENG that he/she is ready for FF2 to open the hydrant and charge the supply line. Confirmation may be visual face-to-face or by radio. Once confirmation is received, FF2 opens hydrant.

7. FF2 will walk along the supply line, removing any kinks or sharp bends. FF2 will then join OFR and FF1and assist in the attack.

8. The ENG will change from tank supply to the supply line as soon as possible.

NOTE: In the event the attack line is being supplied by tank water and the tank level reaches ½ remaining, the ENG will advise command.

B. Two 1 ¾" preconnected hose line (fire within 200' of engine)

1. The steps taken to advance two 1 ¾" hose lines are the same as those described for the single line attack evolution. FF2 will advance the second hose line after the supply line is secured.

NOTE: Although it is possible to operate 1 ¾" hose line with one firefighter, it is more efficient and safer when two firefighters work as a team. OFR must consider these factors when selecting this evolution.

C. One 2 ½" hose line (fire within 200' of engine)

1. Engine Company selects hydrant or other water source. FF2 exits vehicle, secures the appropriate supply line and hydrant bag. FF2 will remain in this position to make the necessary connections after the hose is laid out.

2. FF2 motions to the ENG when he/she has secured one end of the selected supply hose, and it is safe for the engine to begin the forward lay.

3. The engine will drive forward at a speed of 5-10 mph, taking care to avoid blocking the entire roadway with the supply line. FF1 will walk with the Engine ensuring that the hose comes off in proper order. The Engine shall be positioned "just short" or "just past" the fire building.

4. FF1 will go to the rear of the vehicle and advance the 2 ½" preconnect to a point directed by the OFR. The OFR, will perform a 360 degree walk around and size up and carrying assigned tools, will assist in the advancement of the hose line.

5. The ENG will supply the attack line with tank water upon the OFR's request. The OFR will back up the FFl until the arrival of FF2.

6. [Hydrant Operations Only] FF1 will connect the portable hydrant to the end of the supply line. The ENG will connect the portable hydrant to the Engine. FF2 confirms with the ENG that he/she is ready for FF2 to open the hydrant and charge the supply line. Confirmation may be visual, face-to-face, or by radio. Once confirmation is received, FF2 opens the hydrant.

7. FF2 will walk along the supply line, removing any kinks or sharp bends. FF2 will join the officer and FF1to assist in the attack.

8. The ENG will change from tank supply to the supply line as soon as possible.

NOTE : In the event the attack line is being supplied by tank water and the tank level reaches ¼ remaining, the ENG will advise command.

D. Master Stream from Forward Layout

1. Engine Company selects hydrant or other water source. FF2 exits vehicle secures the appropriate 5" supply line and hydrant bag. FF2 will remain in this position to make the necessary connections after the hose is laid out.

2. FF2 motions to the ENG when he/she has secured one end of the selected supply hose, and it is safe for the engine to begin the forward lay.

3. The engine will drive forward at a speed of 5-10 mph, taking care to avoid blocking the entire roadway with the supply line. FF1 will walk with the Engine ensuring that the hose comes off in proper order. The engine shall be positioned "just short" or "just past" the fire building.

4. The OFR will remove the master stream device from the engine and proceed to the point of operation. FFl will advance 2 - 2 ½" or 2-3" hose to the master stream device. The hose is connected to the 2 ½" discharge on the engine.

5. The ENG will supply the master stream with tank water upon the OFR request.

6. [Hydrant Operations Only] FF1 will connect the portable hydrant to the end of the supply line. The ENG will connect the portable hydrant to the Engine. FF2 confirms with the ENG that he/she is ready for FF2 to open the hydrant and charge the supply line. Confirmation may be visual, face-to-face, or by radio. Once confirmation is received, FF2 opens the hydrant.

7. FF2 will walk along the supply line, removing any kinks or sharp bends.

8. The ENG will change from tank supply to the supply line as soon as possible.

NOTE: In the event the attack line is being supplied by tank water and the tank level reaches ¼ remaining, the ENG will advise command.