

City of Bend

Fire & Rescue

Section 1.9 Pump Operations

Task 1.9.14 Standpipe Support

Section 1 - Individual Performance Standards

STANDARD:

1. Supply water to building FDC in support of fire attack from a standpipe
2. Use all current PPE and safety precautions
3. Pump appropriate pressure within 10 PSI

RESOURCES:

1. IFSTA Pumping Apparatus Operator Text and/or BFD hydraulics reference card
2. One pumping apparatus (Engine or Truck) with three person crew
3. One fire hydrant
4. Current accepted standard for pump engagement and operation per manufacturer and Training Division.
5. One building with FDC connected to standpipe
6. Full Personal Protective Equipment

PROCEDURE:

1. Confirm assignment to charge standpipe
2. Locate FDC and hydrant, determine hose lay requirement; hand stretch vs. reverse lay
3. Engineer spots at FDC, shifts to neutral and sets parking brake. Stand ready while Firefighter exits and retrieves equipment.
 - a. If proximity of hydrant to FDC is safe and advantageous, a hand stretch from hydrant to FDC is indicated; Engineer proceeds to step 5.
4. Engineer receives clear signal from Firefighter to "Lay Line" and proceeds to hydrant according to Performance Standard 1.9.1.
5. Engineer spots at hydrant, away from building/environmental hazards and to make efficient use of hose.
6. Engineer engages pump and proceeds according to Performance Standard 1.9.3 Steps 3-5.
7. Engineer establishes water supply according to Performance Standard 1.5.4 and Performance Standard 1.9.3 steps 7-12.
 - a. Charging the FDC from tank water prior to water supply establishment is not recommended.
8. Engineer makes LDH connection at pump panel.
9. Receive clear signal from Firefighter that FDC connection is made and ready for water.
10. Charge FDC @ appropriate discharge pressure according to BFD hydraulic reference card **OR**;
 - a. Calculate correct PDP per text reference material based on layout.
11. Utilize both the pressure governor and pressure relief system.
12. Communicate "standpipe is charged" to command and confirm adequate pressure with fire attack.

Safety Considerations:

1. **Ensure that apparatus wheels are chocked prior to pumping.**
2. **Confirm FDC service to area involved and layout to be stretched.**
3. **Pump within 10psi of operating pressure at all times.**
4. **Provide safety utilizing PSI mode and setting the pressure relief system**