

SECTION 10 WATER SUPPLIES

Live Fire Training Prerequisite

- 10-I.01 Trainee shall identify the water distribution system, and other alternate water sources in the area of responsibility.
NFPA 1001 4.3.15.A
- 10-I.02 Trainee shall identify a:
NFPA 1001 4.3.15.A
- A. dry-barrel hydrant
 - B. wet-barrel hydrant
- 10-I.03 Trainee shall demonstrate hydrant to pumper hose connections for forward and reverse hose lays.
NFPA 1001 4.3.15.B
- A. Forward hose lay
 - B. Reverse hose lay
 - C. Split hose lay
- 10-I.04 Trainee shall define, explain, and demonstrate where applicable, the use of a rural dry fire hydrant system and static water supply source.
NFPA 1001 4.3.15.A-B
- 10-I.05 Trainee shall define a tanker shuttle.
NFPA 1001 4.3.15
- 10-I.06 Trainee shall identify the apparatus, equipment, and appliances required to provide water at rural locations by relay pumping, large diameter hose, or a tanker shuttle.
NFPA 1001 4.3.15.A
- 10-I.07 Trainee shall demonstrate deployment of a portable water tank.
NFPA 1001 4.3.15.B
- 10-I.08 Trainee shall identify the following parts of a water distribution system:
NFPA 1001 4.3.15
- A. distributors
 - B. primary feeders
 - C. secondary feeders
- 10-I.09 Trainee shall identify the following terms as they relate to water supply:
NFPA 1001 4.3.15
- A. normal operating pressure of a water distribution system
 - B. residual pressure of a water distribution system
 - C. the flow pressure from an opening that is flowing water
 - D. static pressure

- 10-I.10 Trainee shall identify the following types of water main valves:
NFPA 1001 4.3.15
A. indicating
B. non-indicating
C. post indicator valve (P.I.V.)
D. outside screw and yoke (O.S. & Y.)
- 10-I.11 Trainee shall identify and explain the four (4) fundamental components of a modern water system.
NFPA 1001 4.3.15
A. Sources of supply
 1. Surface water
 2. Ground water
B. Means of moving water
 1. Direct pumping system
 2. Gravity system
 3. Combination system
C. Treatment facilities
D. Storage facilities and distribution systems
- 10-I.12 Trainee, given a pitot tube and gauge, shall use, read, and record several flow pressures.
NFPA 1001 4.3.15
- 10-I.13 Trainee shall identify the recommended minimum pipe sizes used in the following areas:
NFPA 1001 4.3.15
A. Residential
B. Business
C. Industrial
- 10-I.14 Trainee shall identify two (2) causes of increased resistance or friction loss in water mains.
NFPA 1001 4.3.15
A. Mineral encrustation or tuberculation
B. Sedimentation

Firefighter I - There are no objectives required for this certification level.

Firefighter II - There are no objectives required for this certification level.