

# Klamath County Fire District 4

## Entry Level Firefighter Unit 8- Water Supplies

<b>Section/Activity</b>	<b>Pages</b>
Fire Hydrants	605-610
Alternative Water Supplies	610-611
Rural Water Supply Operations	612-616

- \_\_\_\_\_ 1. Most fire hydrants are made of: (605)
- A. PVC.
  - B. steel.
  - C. bronze.
  - D. cast iron.
- \_\_\_\_\_ 2. Closing a hydrant too fast may cause a sudden increase in water pressure called: (605)
- A. water surge.
  - B. water hammer.
  - C. pressure growth.
  - D. pressure increase.
- \_\_\_\_\_ 3. Which type of hydrant is installed in areas where prolonged periods of subfreezing weather are common? (605)
- A. Dry-barrel
  - B. Wet-barrel
  - C. Open-barrel
  - D. Closed-barrel
- \_\_\_\_\_ 6. Which type of hydrant has a main valve located below the frost line that prevents water from entering the hydrant barrel? (605-606)
- A. Dry-barrel
  - B. Wet-barrel
  - C. Open-barrel
  - D. Closed-barrel
- \_\_\_\_\_ 7. The hydrant barrel of a dry-barrel hydrant is usually \_\_\_\_ from the top of the stem down to the main valve. (606)
- A. open
  - B. closed
  - C. empty
  - D. filled with water

# Klamath County Fire District 4

## Entry Level Firefighter Unit 8- Water Supplies

- \_\_\_\_\_ 8. When a dry-barrel hydrant is closed after use, the remaining water empties through a: (606)
- A. drain hole.
  - B. drain plug.
  - C. gate valve.
  - D. butterfly valve.
- \_\_\_\_\_ 12. According to the NFPA®, \_\_\_\_ hydrants indicate a flow of 1,000 to 1,499 gpm (3 785 L/min to 5 675 L/min). (609)
- A. red
  - B. green
  - C. orange
  - D. light blue
- \_\_\_\_\_ 14. Decisions regarding location, spacing, and distribution of fire hydrants are usually made by: (607)
- A. contractors.
  - B. fire inspectors.
  - C. fire department personnel.
  - D. water department personnel.
- \_\_\_\_\_ 16. A basic rule is to locate a hydrant at \_\_\_\_ intersection. (607)
- A. every
  - B. every other
  - C. every third
  - D. every fifth
- \_\_\_\_\_ 18. Which of the following is NOT a factor affecting hydrant location and spacing? (608)
- A. Building densities
  - B. Types of construction
  - C. Types of occupancies
  - D. Amount of pedestrian traffic
- \_\_\_\_\_ 19. Hydrant testing and inspections are the responsibility of: (608)
- A. NFPA®.
  - B. fire department personnel.
  - C. Underwriters Laboratories (UL).
  - D. street department personnel.

# Klamath County Fire District 4

## Entry Level Firefighter Unit 8- Water Supplies

- \_\_\_\_\_ 20. Which of the following is NOT something to look for when inspecting fire hydrants? (608-609)
- A. Painted hydrants
  - B. Missing outlet caps
  - C. Outlets that face the wrong direction
  - D. Insufficient distances between buildings and hydrants
- \_\_\_\_\_ 22. When conducting a flow test on a hydrant, remove \_\_\_\_ outlet cap(s). (609)
- A. one
  - B. two
  - C. three
  - D. all
- \_\_\_\_\_ 23. After inspecting outlet caps during a flow test, replace all caps except: (609)
- A. the top outlet cap.
  - B. one 2½-inch (65 mm) cap.
  - C. two 2½-inch (65 mm) caps.
  - D. the outlet cap closest to the pumper.
- \_\_\_\_\_ 24. During a flow test, a cap-type pressure gauge should be connected to: (609)
- A. the pumper.
  - B. the hose nozzle.
  - C. the hydrant to be tested.
  - D. a second hydrant nearby.
- \_\_\_\_\_ 25. During a flow test, the test hydrant should be turned on to \_\_\_\_ pressure. (610)
- A. one-quarter
  - B. half
  - C. three-quarter
  - D. full
- \_\_\_\_\_ 26. Residual pressure should be recorded from: (610)
- A. the pumper.
  - B. the hose nozzle.
  - C. the second hydrant.
  - D. the hydrant to be tested.

# Klamath County Fire District 4

## Entry Level Firefighter Unit 8- Water Supplies

- \_\_\_\_\_ 27. Which of the following is NOT an alternative water supply source? (610)
- A. Lakes
  - B. Ponds
  - C. Swimming pools
  - D. Water treatment plants
- \_\_\_\_\_ 28. Which of the following is the definition of drafting? (610)
- A. Drawing water from a pumper to supply a hoseline
  - B. Drawing water from a static source to supply a pumper
  - C. Drawing water from a portable tank to supply a hydrant
  - D. Drawing water from a static source to supply a hydrant
- \_\_\_\_\_ 30. Which kind of strainers can draft water from more shallow sources? (611)
- A. Intake
  - B. Drafting
  - C. Floating
  - D. Underground
- \_\_\_\_\_ 31. Dry hydrants are installed at \_\_\_\_ to increase the water supply available for firefighting. (611)
- A. static water sources
  - B. water treatment plants
  - C. residential swimming pools
  - D. wastewater treatment facilities
- \_\_\_\_\_ 32. Dry hydrants are constructed of: (611)
- A. copper.
  - B. cast iron.
  - C. aluminum.
  - D. steel or PVC pipe.
- \_\_\_\_\_ 34. Which of the following is the definition of a water shuttle? (612)
- A. Drawing water from a pumper to supply a hoseline
  - B. Drawing water from a static source to supply a pumper
  - C. Hauling water from a portable tank to the fire
  - D. Hauling water from a supply source to portable tanks

# Klamath County Fire District 4

## Entry Level Firefighter Unit 8- Water Supplies

- \_\_\_\_\_ 36. Which is NOT a critical water shuttle element? (612)
- A. Traffic control
  - B. Hydrant operations
  - C. Fast-fill and fast-dump capabilities
  - D. An Incident Commander at both fill and dump sites
- \_\_\_\_\_ 40. Portable tanks may use \_\_\_\_ to transfer water from one tank to another. (613)
- A. drain fittings
  - B. discharge lines
  - C. hard sleeve hose
  - D. jet siphon devices
- \_\_\_\_\_ 41. Which of the following is NOT a way in which water tenders unload? (615)
- A. Jet dumps
  - B. Relay pumps
  - C. Apparatus-mounted pumps
  - D. Gravity dumping through large dump valves
- \_\_\_\_\_ 42. According to NFPA® 1901, water tenders on level ground should be capable of dumping or filling at rates of at least \_\_\_\_ gpm (L/min). (615)
- A. 250 (1 000)
  - B. 500 (2 000)
  - C. 750 (3 000)
  - D. 1,000 (4 000)
- \_\_\_\_\_ 43. Which of the following may be used when the water source is close enough to the fire scene that water shuttles are not necessary? (616)
- A. Relay pumping
  - B. Water shuttles
  - C. Gravity dumps
  - D. Jet siphon devices

# Klamath County Fire District 4

## Entry Level Firefighter Unit 8- Water Supplies

- \_\_\_\_\_ 44. Which of the following is NOT a factor in determining how many pumpers are needed for a relay? (616)
- A. Size of hose available
  - B. Volume of water needed
  - C. Amount of hose available
  - D. Distance between the station and the fire scene
- \_\_\_\_\_ 45. Which apparatus should be located at the water source? (616)
- A. Apparatus with largest gravity dump
  - B. Apparatus with largest portable tank
  - C. Apparatus from nearest fire department
  - D. Apparatus with greatest pumping capacity