



## Standpipe System Acceptance Inspection

### The City of Oklahoma City Fire Department

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#### Standpipe System Acceptance Inspection **and pretest check off form**

- ✓ Received standpipe certification from installer.
- ✓ Plans are on site.
- ✓ Location and size of standpipes and FDCs comply with the plans.
- ✓ Outlet valves are functional and hose threads in good condition.
- ✓ Roof outlets comply with the plans.
- ✓ Hydraulic calculation information sign is mounted at the system control valve.
- ✓ Underground pipe from FDC to check valve in inlet pipe is flushed before completing systems, 11.2.
- ✓ Standpipe test including yard and FDC piping: per NFPA 14 11.4 and 11.5

A. hydrostatic test at 200 PSI for 2 hours, PSI is measured at the lowest point or B.

B. hydrostatic test not less than 50 PSI in excess of maximum pressure; where the maximum pressure is in excess of 150 PSI.

C. where cold weather prevents testing, an air test at 40 PSI for 24 hours shall occur with a pressure loss of only up to 1.5 PSI permitted.

D. flow test: the hydraulically most remote standpipe will verify system design pumping through the FDC, 11.5.1.

E. a flow test at each roof outlet to verify the required pressure and flow is available, 11.5.

F. maximum flow from a 2½-in. hose connection is 250 GPM, for a 1½-in. connection it is 100 GPM, 7.10.3.1 and 7.10.3.2.

- ✓ Pressure regulating devices are flow tested to verify proper operation, 11.5.4.
- ✓ Main drain valve, if provided, is opened until system pressure stabilizes, 11.5.5.
- ✓ No shutoff valve is in the FDC.
- ✓ Check valve is near the FDC connection to the system.
- ✓ The pipe between the FDC and the check valve has an automatic drip.
- ✓ The FDC is 18 in. to 48 in. above finish grade and signed.
- ✓ A standpipe drain is provided at the lowest point and it drains to the exterior.
- ✓ Standpipes are located in noncombustible stair enclosures or equivalent construction.
- ✓ Hose connections are readily accessible, 3 ft. to 5 ft. above the floor, and caps are tight.
- ✓ Standpipes having listed pressure-regulating devices will be flow tested to verify the PSI setting.
- ✓ Water-filled pipe exposed to freezing conditions is protected from freezing.
- ✓ All manual valves shall be fully opened, fully closed, and supervised or secured.
- ✓ Riser supports are provided at the lowest level, alternate levels and at the top.
- ✓ Connection to the water supply has a listed indicating-type valve and a check valve located close to the supply.
- ✓ Lateral runs from standpipe to the hose valve over 18 in. are provided with hangers.
- ✓ Horizontal standpipe hangers do not exceed a 15 ft. spacing.
- ✓ Attached 1½ in. hose is free from mildew, cuts, abrasions, and couplings, gaskets, and nozzles are undamaged and without obstructions.
- ✓ Multiple Class I and III standpipes are interconnected at the bottom.
- ✓ Automatic and semiautomatic-dry systems are tested by initiating a flow from the hydraulically most remote hose connection and water is delivered in 3 minutes and each remote control device is tested per the manufacturer's instructions, 11.5.6.2.