



## **PURPOSE**

The purpose of this policy is to outline the inspection and testing methods used during installation of a fire sprinkler and/or standpipe system.

## **POLICY**

Fire sprinkler and standpipe systems shall be installed and tested in accordance with the Arkansas Fire Prevention Code referencing applicable NFPA 14, 13, 13R and 13D Standards.

Fire sprinkler plans shall be reviewed by members of the Fire, Building & Safety Division.

FDC installations shall be remote unless on-building approved by the Division.

Fire sprinkler supply hydrant shall be installed within 100' of FDC.

Fire sprinkler alarm shall be electronic or external horn/strobe.

Fire sprinkler installations shall be inspected by the following:

1. Underground piping shall be tested by flushing in accordance with NFPA Standards.
2. Aboveground rough-in (visual).
3. Sprinkler head locations.
4. Sprinkler piping installed in unheated areas shall be protected with approved freeze protection.
5. Aboveground piping/standpipe hydrostatic 200 psi / 2 hours, 40 psi / 24 hours (dry systems).
6. FDC hydrostatic testing 200 psi / 2 hours.

Acceptance testing shall include the following:

1. Sprinkler flow test (90 seconds to alarm)
2. Standpipe flow test (Manual systems shall require the use of an Engine Company) (500 gpm remote, 100 psi residual)
3. Standpipe PRV (Pressure Reducing Valves)
4. Trip test (dry systems)

Approved

Fire Chief



RUSSELLVILLE FIRE DEPARTMENT  
POLICY MANUAL

Policy Number:  
Section:  
Original Date:  
Revised Date:

5. Supervisory, valve and control devices
6. Main drain
7. Alarm initiation
8. Central Station supervision
9. Fire sprinkler zone diagram
10. Riser placarding
11. Spare heads and wrench
12. Green tag
13. FDC locking caps (Knox)
14. Verify fire hydrant function
15. Complete inspection report

Approved

Fire Chief

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