

# USAFP'S NFPA 25 INSPECTIONS, TESTING, & MAINTENANCE CHECKLIST

## WEEKLY ITEMS

- Ensure all control valves are in proper position
- Verify temperature >40°F in valve enclosures
- Verify RPZ relief is not constantly discharging
- Check gauges to ensure the static water supply pressure & air pressure are normal

## MONTHLY ITEMS

- Examine the exterior of dry, preaction, deluge, & alarm check valves
- Inspect the condition of the air compressors, wiring, air lines, & oil level

## QUARTERLY ITEMS

- Visualize Fire Department Connections (FDC)
- Examine electronically supervised control valves
- Check sprinkler system pressure reducing & relief valves
- Visualize hose valves
- Inspect supervisory signal devices & waterflow alarm devices
- Main drain test for systems with backflow preventers
- Test mechanical water motor gong if present
- Test priming water level & quick opening devices on dry systems

## SEMI-ANNUAL ITEMS

- Test vane type waterflow switches
- Test pressure type waterflow switches
- Test valve supervisory switches
- Verify nitrogen concentration in dry systems equipped with N2 generators

## ANNUAL ITEMS

- Inspect sprinklers, exposed pipe, & fittings from floor level
  - Inspect hose, hose cabinets, hose connections, nozzles, storage devices & stapipe piping
  - Inspect hangers & bracing
  - Inspect & flow hydrants
  - Interior inspection of dry valves
  - Verify proper signage is present
  - Confirm proper number & type of spare sprinklers & proper wrenches
  - Clean dry pipe valve internals
  - Empty low point drains
  - Operational test of Class I & Class III hose valves
  - Test control valves
  - Test any other supervisory signal devices
  - Partial trip test of dry, preaction, and/or deluge valves
  - Partial flow test of pressure regulating or pressure reducing valves
  - Lubricate stems of OS&Y valves
  - Lubricate hydrant stems, caps, plugs, & threads
- ## 3-YEAR ITEMS
- Operational test of Class II hose valves
  - Full flow trip test of dry, preaction, &/or deluge valves
  - Air leakage test on dry &/or preaction systems

## 5-YEAR ITEMS

- Internal inspection of pipe
- Internal inspection of non-externally resettable deluge, preaction, & check valves
- Internal inspection of strainers, filters, & orifices
- Test/Replace gauges
- Sample testing of extra high temperature heads exposed to maximum allowable temperature
- Sample testing of heads in harsh environments
- Full flow testing of private main hydrants
- Hydrostatic test of FDC piping
- Hydrostatic test of manual & semiautomatic dry stapipe systems
- Full flow of automatic stapipe systems

## 20-YEAR ITEMS

- Sample testing of dry sprinkler heads
- Sample testing of ESFR & CMSA with fast-response elements (Retest every 10 years)

## 25-YEAR ITEMS

- Sample testing of fast response sprinkler heads except ESFR & CMSA (Retest every 10 years)

## 50-YEAR ITEMS

- Sample testing of all sprinkler heads (Retest every 10 years until the system is 75 years old)

## 75-YEAR ITEMS

- Sample testing of all sprinkler heads (Retest every 5 years)



CONTACT US

IL: (847) 816-0050 | SE WI: (262) 782-3311 | NE WI: (920) 836-3344



VISIT US ONLINE

[usafireprotectioninc.com](http://usafireprotectioninc.com)

USA FIRE PROTECTION IS YOUR ALL-INCLUSIVE FIRE AND LIFE SAFETY SOLUTION!