

Deluge, Pre-Action and Foam Sprinkler System



FIELD'S
Fire Protection, Inc.

NFPA 25 requires you to maintain your fire suppression equipment in good working order and to maintain inspection, testing and maintenance records. Inspections will be performed on an Annual basis.

EXAMPLES OF WORK PERFORMED DURING AN INSPECTION INCLUDE:

- Identify potentially detrimental site conditions that could compromise the performance of mechanical and/or electronic components of the sprinkler system.
- Check for adequate coverage, clearance and condition of all visible sprinkler heads to allow for proper distribution if activation occurs.
- Verify the sprinkler control valves are in the proper open or closed position, in good condition, monitored or secured, accessible, operated through their full range of motion and appropriate signage is in place.
- Perform the required tests for each water flow or water pressure device.
- Complete main drain test on each system.
- Replace or recalibrate pressure gauges as required.
- Record the static and residual pressures to confirm there is no blockage in the supply line piping.
- Check the Fire Department connection caps, couplings, threads and clapper.
- Check valve and ball drip to verify condition, unit is not leaking, and there are no objects inside the fire department connection that could be pushed into the system.
- Inspect and test the fire sprinkler system alarm components for satisfactory condition, proper alarm tie in and activation.
- Perform standpipe flow test as required by code.
- Verify the quantity and styles of spare sprinkler heads in spare head box.
- Confirm there are proper types and quantities of heads and appropriate wrench located in spare head box.
- Inspect the general condition of visible sprinkler system piping, hangers, drain valves, gauges and related equipment.
- Check and record the priming water pressure if applicable.
- Complete the required annual partial trip test or the 3 year full flow trip test.
- Perform 5 year internal examination of alarm and check valves.
- If applicable, inspect the deluge or preaction valves according to the manufacturer's specifications, including internal inspection and cleaning of the valve body, clapper, latching mechanism, trim and gaskets.
- Upon completion of inspection and any necessary repairs, applicable inspection documents and noted deficiencies shall be left at location and available electronically.
- Tag all devices as required and perform required record keeping.