

SPRINKLER OBSTRUCTION INVESTIGATION PROTOCOL

Pre Test Contact alarm company and fire department. Inform them of the test. Record name or dispatcher badge number and time on inspection report.

WET SPRINKLER

- Test** Walk entire building. Inspect visible sprinkler heads, pipe and hangers from the floor level.
- 1) Shut main control valve.
 - 2) Drain sprinkler system.
 - 3) Select two branch lines per system and one cross main.
 - 4) Dismantle the end of the branch line and cross main. Look inside with a flashlight.
 - 5) Attach a hose valve and hose to the end of the lines being tested. Run hose outside and attach a burlap bag.
 - 6) Open the valve at the end of the branch line.
 - 7) Run the water through each valve until the water is clear - should be about 3 minutes.
 - 8) If there is a fire pump, run the pump during the test to ensure maximum flow.
 - 9) Check burlap bag for foreign material. Record and save material in a can.
 - 10) Remove hose and hose valves. Install end caps.
 - 11) Clean out alarm valve.

DRY PIPE SPRINKLER

- Test** Walk entire building. Inspect visible sprinkler heads, pipe and hangers from the floor level.
- 1) Flood dry pipe system one or two days before obstruction investigation to soften pipe scale.
 - 2) On the day of the investigation, drain system.
 - 3) Select two branch lines per system and one cross main.
 - 4) Dismantle the end of the branch line and cross main look inside with a flashlight.
 - 5) Attach a hose valve and hose to the end of the lines being tested. Run hose outside and attach a burlap bag.
 - 6) With new test valves closed, reset the dry system.
 - 7) Open the valve at the end of the branch allowing the system to trip in simulation of normal action.
 - 8) Run the water through each valve until the water is clear - should be about 3 minutes.
 - 9) If there is a fire pump, run the pump during the test to ensure maximum flow.
 - 10) Check burlap bag for foreign material. Record and save material in a can.
 - 11) Remove hose and hose valves. Install end caps.
 - 12) Clean out dry valve and reset system

- Final**
- 1) Assure that all control valves are in proper position.
 - 2) Contact alarm company and record signals they received.
 - 3) Contact fire department to inform them the test is complete and the system is on line. Record dispatcher name or badge #.
 - 4) Inform responsible party of test completion. Show them the system is back on line.

As per NFPA25 standard for the inspection, testing and maintenance of water-based fire protection systems.



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