

Inspection, Testing and Maintenance of Water Spray Fixed Systems

Service Company	Date of Service			Time	Last Service Date
	Dailey/Weekly <input type="checkbox"/>	Monthly <input type="checkbox"/>	Quarterly <input type="checkbox"/>	Annually <input type="checkbox"/>	5 Year <input type="checkbox"/>
	Valves <input type="checkbox"/>	Sealed <input type="checkbox"/>	Locked <input type="checkbox"/>	Tamper <input type="checkbox"/>	Signage <input type="checkbox"/>
	Fire Pump <input type="checkbox"/>	Diesel <input type="checkbox"/>	Electric <input type="checkbox"/>	Gas <input type="checkbox"/>	None <input type="checkbox"/>
Building Name:	Owner:			Tel:	
Address: City: Postal Code			Contact:		Fax:
			Tel:		Fax:

Note: This inspection and test form is for water spray protection from fixed nozzle systems only. The components described shall be inspected and tested in accordance with the manufacturer's instructions and applicable codes.

“√” Yes - Satisfactory “X” NO - Unsatisfactory “NA” - Not Applicable

Inspections

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| <p>Daily</p> <p>_____ Deluge Valve enclosure without low temp alarms at 4degC or 40F?</p> <p>Weekly</p> <p>_____ Relief port on reduced pressure backflow prevention assemblies are free from discharge?</p> <p>_____ Gauges on dry, preaction and deluge systems in good condition?</p> <p>_____ Normal air and water pressure maintained?</p> <p>_____ Control valves and isolation valves on backflow prevention devices</p> <p>_____ (a) in correct (open or closed) position?</p> <p>_____ (b) Sealed, locked or supervised and accessible?</p> <p>_____ (c) Relief port on RPZ device not discharging?</p> <p>Monthly Inspections</p> <p>Deluge Valves:</p> <p>_____ Enclosures with low temp alarms maintained at 4degC or 40F?</p> <p>_____ Free from damage?</p> <p>_____ Trim valves in the correct positions?</p> <p>_____ No water leakage?</p> <p>_____ Electrical components are in service?</p> <p>_____ Low point drains in good condition?</p> <p>_____ Rubber gasketed fittings in proper position?</p> <p>Water Spray Nozzles</p> <p>_____ In proper location?</p> <p>_____ Aimed in proper direction?</p> <p>_____ Free from external loading or corrosion?</p> <p>_____ Capped or plugged where required?</p> <p>Control Valves and Backflow assemblies (supervised or locked)</p> <p>_____ Normal open position?</p> <p>_____ Locks or supervision in place?</p> <p>_____ Accessible and free from external leaks?</p> | <p>Control valves con't</p> <p>_____ Provided with appropriate wrenches?</p> <p>_____ Provided with appropriate identification?</p> <p>_____ Gauges in good condition showing normal pressure?</p> <p>Quarterly Inspections</p> <p>_____ Fire Department Connections in good condition?</p> <p>_____ Drainage system in good condition?</p> <p>Water Spray Nozzles Inspected:</p> <p>_____ In proper location?</p> <p>_____ Spray pattern unobstructed?</p> <p>_____ Free of foreign materials?</p> <p>_____ Free of physical damage?</p> <p>System Piping and Fittings:</p> <p>_____ No mechanical damage?</p> <p>_____ External conditions (rust, corrosion, coatings)?</p> <p>_____ Misalignment or trapped sections?</p> <p>_____ Low point drains/</p> <p>_____ Location of rubber-gasketed fittings?</p> <p>Hangers and Supports</p> <p>_____ Free from physical damage?</p> <p>_____ Securely attached?</p> <p>_____ No damaged or missing hangers?</p> <p>Gauges Inspected:</p> <p>_____ Good condition and free of physical damage?</p> <p>_____ Normal water pressure maintained?</p> <p>_____ Record water pressure: _____ kpa/psi</p> <p>5 Years:</p> <p>_____ Check Valves internally inspected?</p> |
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Tests

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| <p>Quarterly Tests</p> <p>_____ Water flow alarm tested using by-pass valve?</p> <p>_____ Open each control valve until spring or torsion is felt in the operating rod? (Back valve one-quarter turn to prevent jamming)</p> <p>Main Drain test?</p> <p>Record Static pressure _____ kpa/psi?</p> <p>Residual pressure _____ kpa/psi?</p> <p>Pressure comparable to last test?</p> <p>Operational Test: (test all systems together which will operate simultaneously)</p> | <p>Semi-Annual Tests</p> <p>_____ Valve supervisory devices indicate movement?</p> <p>_____ Electrical waterflow alarm test (by pass connection)</p> <p>Annual Tests</p> <p>Main Drain test?</p> <p>Record Static pressure _____ kpa/psi?</p> <p>Residual pressure _____ kpa/psi?</p> <p>Pressure comparable to last test?</p> <p>Operational Tests con't</p> <p>_____ Record pressure at most remote nozzle _____ kpa/psi?</p> |
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