

WATER SPRAY SYSTEMS

Annual Inspection, Test, and Maintenance

Year: _____ System: _____

Location: _____

Y=Satisfactory

N=Unsatisfactory (explain below)

N/A=Not Applicable

Date	
Inspector	
Spray Nozzles	
Note condition of all nozzles. If there is no physical damage, no corrosion, and no obstructions, note "OK" in block. If not, ensure corrections are made and briefly describe under "comments."	
Pipe Hangers	
Note all pipe hangers. If there is no damage and corrosion, note "OK" in block. If not, ensure corrections are made and briefly describe under "comments."	
Gauges	
Note condition of gauges. Record water pressure in psi (bar)	
Flow Test	
Conduct full flow test. Ensure system operates properly and record operation time	
Discharge Pattern	
Note water spray coverage. If coverage is adequate, note "OK" in block. If not, ensure corrections are made and briefly describe under "comments"	
Deluge Valve	
Internally inspect deluge or Preaction valve. Verify that all components operate properly, move freely, and are in good condition. If so, note "OK" in block. If not, ensure corrections are made and briefly describe under "comments."	
Control Valves	
Operate each control valve through its full range and return to its normal position. (Reseal or relock if appropriate.) if valve operates properly, note "OK" in block. If not, ensure valve is repaired and briefly describe under "comments"	
Lubricate Control Valves	
Lubricate all valve stems with graphite or graphite in oil	
Flush Underground	
Underground lead-in connections should be thoroughly flushed to ensure that there is no debris in the water supply that might block the water spray nozzles. Note "OK" in the block if the water flows clear. If the water is particularly dirty, place a number in this block and a corresponding note at the end of the inspection from describing the conditions and how they were resolved	
Clean Strainers	
Clean all strainers. If strainers are in good condition, note "OK" in this block. If there are any problems noted with the strainer, place a number in this block with a corresponding note at the end of the inspection form	
Maintain Fire Detection System	
Manual Activation	
Test the manual activation device	
Main Drain Test	
Record the static water supply pressure in psi (bar)	
Open the main drain and allow the water flow to stabilize	

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