

Water mist suppression system annual maintenance checklist

The annual water mist suppression system service is the deep pass: the measurements, cleanings and tests a quarterly round doesn't reach. This checklist keeps the full service on record with the photos that make it defensible later. Work is commonly verified against NFPA fire suppression standards, manufacturer's published instructions. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The licensed technician performs and certifies the functional and discharge test to the manufacturer's procedure; the building team observe the discharge, record the readings and reset conditions, and never certify the result themselves. When: Once a year, coordinated with the technician and the monitoring station placed on test, timed so the system can be discharged or functionally tested, cleaned, recharged and returned to service the same day.

Functional and discharge test observed

- ☐ **Detection-to-discharge sequence witnessed**
Technician seen initiating the sequence from detection and from the manual station, the release operating and the supply driving the nozzles, discharge time and supply pressures recorded against prior years. 2 photos required
- ☐ **Mist pattern at the nozzles observed**
Mist seen reaching the nozzles over the protected hazard with the expected pattern, any blocked or misaimed nozzle flagged to the technician. 1 photo required

Recharge and restoration

- ☐ **Supply recharged and system dried after the test**
Cylinders, accumulator or supply recharged to the manufacturer's mark after the discharge, piping and the protected area drained and cleaned before the system is reset. 1 photo required
- ☐ **System reset and supervision restored**
System reset by the technician, section valves returned to normal and re-supervised, detection, release and controller supervision confirmed before the system is taken off test. 2 photos required

Documentation

- ☐ **Observed results and open items recorded on the building side**
Observed discharge times, supply pressures and any nozzle or supply deficiency the technician calls out logged with a photo and a date on the site record, kept separate from the technician's certified report. 1 photo required