Your fire sprinkler system passed its annual testing, but will water flow to a fire in an emergency?

Water-based fire protection systems are vulnerable to internal corrosion and obstructions that can cause blockage, leaks, and damage to pipes, preventing proper flow of water to a fire. To address these issues, NFPA 25 requires an assessment of the internal condition of the piping.

Many building owners may not have a clear understanding, or even be aware of, this important requirement because sprinkler service providers and Authorities Having Jurisdiction (AHJs) are not educating them or enforcing it.

Failing to conduct timely internal piping condition and obstruction investigations or take corrective measures creates risks:

1. **Life safety** - Loss of life and/or personal injury
2. **Liability** - Legal liability, judgments, and negative impact to reputation
3. **Repairs** - Costly sprinkler system and building damage
4. **Compliance** - Noncompliance fines, fees, and expenses that the insurance provider may not cover

*Microbiologically Influenced Corrosion (MIC)*
Peace of mind: Knowing your fire sprinkler system is ready to protect your people, business, and assets.

Siemens Internal Piping Condition and Obstruction Investigation Service

Siemens service adheres to NFPA 25 requirements. Below are the steps our technicians use in discovering and resolving potential obstruction issues:

- **Testing** – During annual sprinkler testing, if any ‘triggers’ listed in NFPA 25, 14.3.1 are present, a required assessment of the internal piping condition is triggered.

- **Assessment** – At a minimum of every five years, an assessment of the sprinkler system is required, even if triggers were not detected during annual testing. Assessment procedures typically involve opening and examining the following four points on the system: system valve, riser, cross main, and branch line.

- **Investigation** – If certain conditions are present during the assessment, then an investigation is required.

- **Mitigation** – Based on the investigation findings, Siemens develops a plan that outlines recommendations for mitigation. Mitigation may include system flushing, section replacement, system redesign, or other solutions specific to the situation.

- **Prevention** – Recommendations for preventing or minimizing future issues are based on the specific findings. Many issues can be avoided by implementing an effective Inspection, Testing, and Maintenance (ITM) program.

### Additional 5-Year ITM requirements per NFPA 25

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For more information, visit usa.siemens.com/firesprinkler

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Siemens Service Advantage

- Comprehensive, nationwide services for fire and life safety systems
- Expert knowledge of codes, regulations, trends, and technologies
- Strong fire industry participation
- Factory-trained and certified technicians
- Documentation compliant with NFPA, local AHJ, and regulatory requirements
- Core competencies in integrated building systems