

Inspection, Testing and Maintenance



Sprinkler systems have a high degree of reliability, over 90%, but when a rare failure does occur, it's almost always because of a lack of inspection, testing and maintenance in accordance with NFPA 25



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Established in 1905, the National Fire Sprinkler Association (NFSA) is the voice of the fire sprinkler industry. NFSA leads the drive to get life-saving and property protecting fire sprinklers into all buildings; provides support and resources for its members – fire sprinkler contractors, manufacturers and suppliers; and educates authorities having jurisdiction on fire protection issues. Headquartered in Linthicum Heights, MD, NFSA has regional operations offices throughout the country.



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FYI Series: ITM FOR AHJs

Inspection, Testing and Maintenance of Fire Sprinklers for AHJs





Understanding Risk

Fire and building codes require that the automatic fire sprinkler systems be maintained in working order to help ensure that they will function properly when the time comes.

NFPA 25 does not address installation or renovation flaws. Any changes in use, occupancy, materials, hazard, or water supply are the responsibility of the owner or owner's representative. It is important to recognize that identifying these changes would not be part of routine NFPA 25 inspections.

NFPA 25 Chapters

1. Administration
 2. Reference Material
 3. Definitions
 4. General Requirements
 5. Sprinkler Systems
 6. Standpipe And Hose Systems
 7. Private Fire Service Mains
 8. Fire Pumps
 9. Water Storage Tanks
 10. Water Spray Fixed Systems
 11. Foam-Water Sprinkler Systems
 12. Water Mist Systems
 13. Common Components And Valves
 14. Internal Piping Condition And Obstruction Investigation
 15. Impairments
 16. Special Requirements Form Other Nfpa Documents
- Annex A-Explanatory Material
Annex B-Forms And Reports For Inspections, Testing, And Maintenance
Annex C-Possible Causes Of Pump Troubles
Annex D-Obstruction Investigation
Annex E-Hazard Evaluation Form
Annex F-Connectivity And Data Collection
Annex G-Color-Coded Tagging Program
Annex H-Informational References
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Significant Areas Of Intrest For AHJs

Chapter 1

1.1 Scope- Establishes minimum requirements for periodic inspection, testing, and maintenance of water-based fire protection systems.

1.2 Purpose-Provides requirements that ensure a reasonable degree of protection for life and property through minimum inspection, testing, and maintenance.

Chapter 4

Explains owner requirements

Annex E

Hazard analysis

Why NFPA 25?

- It establishes the minimum requirements for inspection, testing and maintenance of water-based fire protection systems
- The purpose is to ensure a reasonable degree of protection for life and property through minimum inspection, testing, and maintenance.



Five-year internal assessment with obstruction

For help in locating a qualified contractor, visit www.nfsa.org. There you will find information on how to contact NFSA's Regional Manager in your area.