

## Fire protection equipment test schedule

- It is critical that all fire protection equipment and systems are ready to perform at all times.
- Various NFPA Standards spell out required testing frequencies and give details on specific inspections or testing required.
- This is just an overview. The referenced NFPA Standards should be consulted for specific test requirements.
- These code test frequencies are considered the minimum, and they may be increased if it is felt necessary.

Ref. Std.	Device	Activity	Frequency			
<b>AUTOMATIC SPRINKLER PROTECTION</b>						
NFPA 25	<b>Wet Pipe Systems</b>	Control Valves	Inspect	Weekly		
			Test (Position)	Monthly if locked or Supervised		
			Test (Operation)	Quarterly		
		Waterflow Alarms	Test	Annual		
			Drain Tests	Quarterly/semiannually** (See Note)		
NFPA 25	<b>Dry Pipe Systems</b>	Control Valves	Inspect	Annually / Quarterly* (See Note)		
			Test (Position)	Weekly		
			Test (Operation)	Monthly if locked or Supervised		
		Waterflow Alarms	Test	Quarterly		
			Drain Tests	Annually / Quarterly* (See Note)		
		Air Pressure	Check	Weekly (Monthly if Supervised)		
		Priming Water Level	Test	Quarterly		
		Low Point Drains	Drain	Before and during freezing weather		
		Quick Opening Devices	Test	Quarterly		
		Trip Test	Test	Annual		
		Trip Test - Full Flow	Test	3 years		
		Pipe Interior	Examine	5 years or as needed		
		NFPA 25 and 72	<b>Deluge and Pre-Action Systems</b>	Control Valves	Inspect	Weekly
					Test (Position)	Monthly if locked or Supervised
					Test (Operation)	Quarterly
Waterflow Alarms	Test			Annual		
	Drain Tests			Quarterly		
Air Pressure	Check			Annually / Quarterly* (See Note)		
Detection Systems	Test			Weekly/Monthly if supervised		
Trip Test	Test			Annually		
Strainers	Test			Annual		
				Inspect and Clean	5 years plus after each flow	
<b>Double-Interlock and Freezer Systems</b>						
(See separate document for Travelers Guidelines on testing cold storage sprinkler systems.)						
	<b>Sprinkler Heads</b>	UL Test	At 50 years + 10 year retest/ at 75 years + 5 year retest			
		Replace	Manufactured prior to 1920; Loaded, corroded or leaking; Painted sprinklers (not spattered); Sprinklers cleaned of paint, etc.			
		Fast Response Sprinklers	UL Test	At 20 years + 10 year reset		
		Solder Type Extra High Temp Sprinklers	UL Test	5 yrs (if exposed to max. amb. temps.)		
	Dry Type	UL Test	At 10 years + 10 year retest			
<p><b>*Note</b> on Quarterly vs. Annual Drain Tests: Based on Travelers impaired fire protection statistics, for higher valued properties (generally considered as having total value of \$10,000,000 or more) quarterly drain tests are considered appropriate.</p> <p><b>**Note</b> On waterflow alarm testing quarterly vs. semiannually: NFPA #25 allows semiannually testing for vane type switches. Travelers feels quarterly is appropriate for all waterflow alarm testing.</p>						

**Note: The fire protection equipment test schedule continues on the next page**

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### Fire protection equipment test schedule (continued)

<b>PRIVATE WATER SUPPLIES</b>			
NFPA 25	<b>Fire Department Connections</b>	Inspect	Quarterly
NFPA 24 and 25	<b>Private Fire Hydrants</b>	Inspect Test	Annual (wet barrel) Annual
NFPA 20 and 25	<b>Fire Pumps</b>	Test Run Capacity Flow Test	Weekly Annual
NFPA 25	<b>Back Flow Prevention Devices</b>	Test	Annual
NFPA 22 and 25	<b>Fire Protection Tanks</b>		
	Gravity and Suction Tanks	Check Level Check Temperature	Monthly (Quarterly if Supervised) Daily during freezing weather/ weekly if supervised
	Pressure Tanks	Check Water Level Check Air Pressure	Monthly (Quarterly if Supervised) Monthly (Quarterly if Supervised)
NFPA 1962	<b>Fire Hose</b> (Rack, Reel and Hose House Equip)	Physical Inspection Service Test	Annual 5 years from Purchase
NFPA 10	<b>Portable Fire Extinguishers</b>	Inspect Maintenance 6 Year Maintenance Hydrostatic Test	Monthly Annual 6 years 5 or 12 Years
<b>MANUAL FIRE FIGHTING EQUIPMENT</b>			
NFPA 14 and 25	<b>Standpipe Systems</b>	Inspect Control Valves Inspect Test (Position) Test (Operation) Pressure Reducers Flow Test Test	Quarterly Weekly Monthly if locked or Supervised Quarterly Annual 5 years 5 years
<b>SPECIAL EXTINGUISHING SYSTEMS</b>			
NFPA 11	<b>Foam Extinguishing Systems</b>	Inspection Test	Annual Annual
NFPA 12	<b>Carbon Dioxide Extinguishing Systems</b>	Inspection Test High Pressure Cylinders Weigh Hydrostatic Test Low Pressure Containers Check Liquid Level	Monthly Annual Semiannual 5 to 12 years (See Standard) Weekly
NFPA 12A	<b>Halon Extinguishing Systems</b>	Inspection Test Halon Quantity and Pressure Check	Monthly (Travelers guideline) Semiannual(1301) Semiannual
NFPA 17	<b>Dry Chemical Extinguishing Systems</b>	Inspect Maintenance and Test Fusible Links Replace	Monthly Semiannual Annual
NFPA 17A	<b>Wet Chemical Extinguishing Systems</b>	Inspect Maintenance and Test Fusible Links Replace	Monthly Semiannual Annual
NFPA 2001	<b>Gaseous Clean Agent Exting. Systems</b>	Inspection Test Agent Quantity and Pressure Check Container Inspection Hydrostatic Test Recharge/ Replace Hose Inspection Testing Enclosure Inspection	Monthly (Travelers guideline) Annual Semiannual 5 Years Prior to recharging Loss in Agent quantity > 5% Annual 5 Years Annual

**Note: The fire protection equipment test schedule continues on the next page**

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### Fire protection equipment test schedule (continued)

<b>FIRE DETECTION SYSTEMS</b>			
NFPA 72	<b>Fire Detection Systems</b>	Check Test	Weekly (Annual if Supervised) Annual
	Detectors – Smoke or Heat	Visual Inspection Test	Semiannual Annual
	Flame	Visual Inspection Test	Quarterly Semiannual
	Lead Acid Batteries	30 min. discharge test Specific Gravity test	Semiannual Semiannual
	Sealed Lead Acid Batteries	30 min. discharge test	Annual
	Nickel Cadmium Batteries	30 min. discharge test	Annual
NFPA 72	<b>Central Station Service</b>		
	Waterflow Alarms and Supervisory Signals	Test	Quarterly (Travelers guideline)
	Detectors	Test	Annual
	Manual Fire Alarms	Test	Annual
<b>OTHER FIRE PROTECTION EQUIPMENT</b>			
NFPA 110	<b>Emergency Generators</b>	Inspect Run under load Test Transfer Switch	Weekly Monthly Monthly
NFPA 101	<b>Emergency Lighting</b>	30 second test 90 minute test	Monthly Annual
NFPA 80	<b>Fire Doors</b>	Inspect and Test	Annual



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