

FIRE PROTECTION EQUIPMENT TEST SCHEDULE (USA AND CANADA)

To help keep your fire protection systems ready to perform at all times, it is important to have a systematic inspection and testing process. The following fire protection equipment inspection and testing guidance is an overview of the National Fire Protection Association (NFPA) standards. For more specific guidance, consult the most current edition of the referenced NFPA standards. Keep in mind these inspection and testing frequencies are considered minimum requirements. It may be necessary to increase these inspection and testing intervals in some circumstances.

Ref. Std.	Device	Activity	Frequency	
AUTOMATIC SPRINKLER PROTECTION				
NFPA 25	Wet Pipe Systems	Control Valves	Inspect	Weekly Monthly if locked Quarterly if electrically supervised
			Test (Supervisory Switch)	Semiannual
			Test (Position & Operation)	Annual
		Waterflow Alarms	Test	Semiannual
		Main Drain	Test	Annually/Quarterly* (See Note)
NFPA 25	Dry Pipe Systems	Control Valves	Inspect	Weekly Monthly if locked Quarterly if electrically supervised
			Test (Supervisory Switch)	Semiannual
			Test (Position & Operation)	Annual
		Waterflow Alarms	Test	Semiannual
		Main Drain	Test	Annually/Quarterly* (See Note)
		Air Pressure	Check	Monthly (Quarterly if electrically supervised)
		Priming Water Level	Test	Quarterly
		Low point/Auxiliary 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	Deluge and Pre-Action Systems	Control Valves
	Test (Supervisory Switch)			Semiannual
	Test (Position & Operation)			Annual
Waterflow Alarms	Test			Semiannual
Main Drain	Test			Annually/Quarterly* (See Note)
Air Pressure	Check			Monthly (Quarterly if electrically supervised)
Detection Systems	Test			Annual
Trip Test	Test			Annual
Strainers	Inspect and Clean			5 years plus after each flow
NFPA 25 and 72	Double-Interlock and Freezer Systems			(See separate document for Travelers Guidelines on testing cold storage sprinkler systems.)
NFPA 25	Sprinklers	Standard Response	UL Test or replace	At 50 years + 10 year retest/at 75 years + 5 year retest Manufactured prior to 1920;
			Replace	Loaded, corroded, leaking, or painted (not factory-applied coatings)
		Quick Response	UL Test or replace	At 25 years + 10 year retest, ESFR and CMSA at 20 years + 10 year retest
		Corrosive Environment	UL Test or replace	Every 5 years
		Dry Type	UL Test or replace	At 20 years + 10 year retest
*Note: On quarterly vs. annual drain tests: All main drains must be tested on an annual basis; however, at least one main drain test must be conducted at least quarterly when the sole water supply is fed through a backflow preventer.				

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

PRIVATE WATER SUPPLIES			
NFPA 25	Fire Department Connections	Inspect	Quarterly
NFPA 24 and 25	Private Fire Hydrants	Inspect	Annual (wet barrel) Quarterly (dry hydrant)
		Test	Annual
NFPA 20 and 25	Fire Pumps	Inspect	Weekly
		Flow Test	Annual
	Electric	Churn Test	Monthly or Weekly** (See Note)
	Diesel	Churn Test	Weekly
NFPA 25	Backflow Prevention Assemblies	Test	Annual
NFPA 22 and 25	Water Storage Tanks	Check Water Level	Monthly (Quarterly if electrically supervised)
		Check Heating System	Daily during freezing weather (Quarterly if supervised)
		Internal Inspection	3 years (steel without corrosion protection) or 5 years (all others)
	Pressure Tanks	Check Air Pressure	Monthly (Quarterly if electrically supervised)
NFPA 1962	Occupant-Use Fire Hose (Rack, Reel and Hose House Equip)	Physical Inspection	Annual
		Service Test	5 years from manufacture, 3 years thereafter
NFPA 10	Portable Fire Extinguishers	Inspect	Monthly
		Maintenance	Annual
		6 Year Maintenance	6 years
		Hydrostatic Test	5 or 12 years (based on type)
MANUAL FIRE FIGHTING EQUIPMENT			
NFPA 14 and 25	Standpipe Systems	Inspect	Quarterly
	Control Valves	Inspect	Weekly
			Monthly if locked
			Quarterly if electrically supervised
		Test (Position & Operation)	Annual
	Pressure Reducers	Test	5 years
	Flow Test	Test	5 years
SPECIAL EXTINGUISHING SYSTEMS			
NFPA 11	Foam Extinguishing Systems	Inspect	Annual
		Concentrate Analysis	Annual
		Operational Test	Annual
NFPA 12	Carbon Dioxide Ext. Systems	Inspect	Monthly
		Test	Annual, including all interlocks
	High Pressure Cylinders	Weigh	Semiannual
		Hydrostatic Test	5 to 12 years (See Standard)
	Low Pressure Containers	Check Liquid Level	Weekly
NFPA 12A	Halon 1301 Extinguishing Systems	Inspect	Monthly (Travelers guideline)
		Test	Semiannual, including all interlocks
	Halon Quantity and Pressure	Check	Semiannual
NFPA 17	Dry Chemical Extinguishing Systems	Inspect	Monthly
		Maintenance and Test	Semiannual, including all interlocks
	Fusible Links	Replace	Semiannual
NFPA 17A	Wet Chemical Extinguishing Systems	Inspect	Monthly
		Maintenance and Test	Semiannual, including all interlocks
	Fusible Links	Replace	Semiannual
NFPA 2001	Gaseous Clean Agent Ext. Systems	Inspect	Monthly (visual inspection)
		Test	Annual, including all interlocks
	Agent Quantity and Pressure	Check	Semiannual
	Container	Inspect	5 years (or more frequently if required)
		Hydrostatic Test	Prior to recharging
		Recharge/ Replace	Loss in agent quantity > 5%
	Enclosure	Inspect	Annual
**Note: Weekly churn testing is required for electrically driven fire pumps that: 1) serve fire protection systems in buildings that are beyond the pumping capacity of the fire department, 2) have limited service controllers, 3) are vertical turbine fire pumps and 4) that take suction from ground level tanks or a water source that does not provide sufficient pressure to be of material value without the pump.			

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

RISK CONTROL

REDUCE RISK. PREVENT LOSS. SAVE LIVES.

FIRE DETECTION SYSTEMS			
NFPA 72	Fire Detection Systems	Check	Weekly (If Monitored, Annually and for “Trouble Signals” Semiannually)
		Test	Annual
	Detectors – Smoke or Heat	Visual Inspection	Semiannual
		Test	Annual
	Flame	Visual Inspection	Quarterly
		Test	Semiannual
NFPA 72	Central Station Service		
	Waterflow Alarms and Supervisory Signals	Test	Semiannual
	Detectors	Test	Annual
	Manual Fire Alarms	Test	Annual
OTHER FIRE PROTECTION EQUIPMENT			
NFPA 110	Emergency Generators	Inspect	Weekly
		Run under load	Monthly
		Test transfer switch	Monthly
NFPA 101	Emergency Lighting	30 second test	Monthly
		90 minute test	Annual
NFPA 80	Fire Doors	Inspect and Test	Annual



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