

# Visual Inspections - Code Required - Frequency

## DAILY / WEEKLY

### Automatic Fire Alarm NFPA 72

Control Panel Normal

### Sprinklers NFPA 25

Gauges (Dry, Pre-action, and Deluge Systems)

Cold Weather Enclosures

Valves, Valve Components, Trim Inspections

Sealed Control Valves

Master Pressure Reducing

Fire Pump System

Casing Relief Valves

Pressure Relief Valves

Pump House, Heating Ventilating Louvers

Backflow Prevention Assemblies

Reduced Pressure Detectors

Control Valves (locked/supervised)

Standpipe

Sealed Control Valves

Gauges (Automatic Dry Standpipes)

## MONTHLY

### Portable Fire Extinguishers NFPA 10

Location in designated place

No obstruction to access or visibility

Operating instructions on nameplate legible and facing outward

Safety seals and tamper indicators not broken or missing

Fullness determined by weighing or "hefting"

Examination for obvious physical damage, corrosion, leakage or clogged nozzle

Pressure gauge reading or indicator in the operable range or position

Condition of tires, wheels, carriage, hose, and nozzle checked (for wheeled units)

Hazardous Materials Identification System (HMIS) Label in place

### Automatic Fire Alarm NFPA 72, ULC S536

Unmonitored Control Equipment: Check for Alarm, Supervisory, and Trouble Signals

### Sprinklers NFPA 25

Gauges (wet, dry, pre-action, and deluge systems)

Valves, Valve Components, Trim Inspections

Locked/Supervised Control Valves

Valve Supervisory Switches

Tamper Switches

Alarm Valves (exterior bells)

Dry Pipe, Deluge, Pre-action Valves

Pressure Reducing Valves

Backflow Prevention Assemblies

Double Check Valves

Control Valves (locked/supervised)

Standpipe

Control Valves (locked/supervised)

Gauges (Automatic Dry Standpipes with Air Pressure Supervision)

Private Fire Service Mains

Hose Houses

### Emergency Lights/Exit Signs NFPA 101, 70

Functional Test

### Hood Suppression NFPA 17

Owners Inspections: Extinguishing system in proper location, manual actuators unobstructed, tamper seals intact, system tag in place, no obvious physical damage, pressure gauge in operable range, nozzle blow-off caps intact, no modifications to protected equipment

## QUARTERLY

### Automatic Fire Alarm NFPA 72

Initiating Devices

Optical Flame Detectors, Water Flow Switches

### Sprinklers NFPA 25

Waterflow Alarm and Signaling Devices, including mechanical devices (i.e. water motor gongs)

Valve Supervisory signal devices

Supervisory signal devices (except valve supervisory switches)

Gauges (Wet Pipe Systems)

Fire Department Connections

Pressure Reducing and Relief Valves

Hose Connections

Hose Racks

Hydraulic Design Information Sign

Backflow Prevention Assemblies

Standpipe

Private Fire Service Maintenance

## SEMI-ANNUALLY

### Hood Suppression NFPA 96, 17, 17A

Certified Technician's Inspection

Suppression System

Fusible Link Replacement

### Engineered Suppression NFPA 2001

Visually Inspect All Clean Agent Field Devices

### Automatic Fire Alarm NFPA 72, ULC S536

Control Equipment: Fire Alarm Systems Monitored for Alarm, Supervisory, and Trouble Signals

Fuses

Interfaced Equipment

Lamps and LEDs

Primary (main) Power Supply

Control Equipment: Fire Alarm Systems Unmonitored for Alarm, Supervisory, and Trouble Signals

Nickel-Cadmium

Sealed Lead-Acid

Transient Suppressors

Control Unit Trouble Signals

Emergency Voice/Alarm Communications Equipment

Remote Annunciators

Batteries

Sealed Lead-Acid

Initiating Devices

Air Sampling Smoke Detectors

Duct Smoke Detectors

Electromechanical Releasing Devices

Fire Extinguishing System(s) or Suppression System(s) Switches

Fire Alarm Boxes (Pull Stations)

Heat Detectors

Smoke Detectors

Interface Equipment

Alarm Notification Appliances – Supervised

Supervising Station Fire Alarm Systems – Transmitters

Digital Alarm Communicator Transmitter (DACT)

### Sprinklers NFPA 25

Private Fire Service Mains

Monitor Nozzles

## ANNUALLY

### Hood Suppression NFPA 17, 17A

Fusible Links

Cartridge (Hydrostatic Test/Replacement) – PYROCHEM (FM200)

### Portable Fire Extinguishers NFPA 10

All of monthly inspection, plus conductivity test (Carbon Dioxide), Determination of 6 year or Hydro test, inspection of shell and nameplate, Hanger/seismic bracing

### Automatic Fire Alarm NFPA 72, ULC S536

Control Equipment: Fire Alarm Systems Monitored for Alarm, Supervisory, and Trouble Signals

Fuses

Interfaced Equipment

Lamps and LEDs

Primary (main) Power Supply

Control Equipment: Fire Alarm Systems Unmonitored for Alarm, Supervisory, and Trouble Signals

Radiant Energy Fire Detectors

Supervisory Signal Devices

Waterflow Devices

### Sprinklers NFPA 25

Pipe and Fittings (from floor)

Hangers/Seismic Bracing (from floor)

Sprinklers (from floor)

Spare Sprinklers

Hydraulic Design Information Sign

Standpipe

Piping

Hose Racks

Hose Connections/Hose Valves

Hose/Hose Nozzles

Valves, Valve Components, Trim Inspection

Interior Dry, Deluge, Pre-action

Pressure Reducing Valves

Private Fire Service Mains

Hydrants

Main Line Strainers

### Emergency Lights/Exit Signs NFPA 101, 70

90 Minute drain test and inspection, verification of charge voltage, alignment of heads, hazard assessment, inspection sticker, required paperwork

## 5 YEARS

### Sprinklers NFPA 25

Internal Pipe Inspection/Assessment

Valves, Valve components, Trim Inspections

Strainers, Filters, Orifices

Interior Check Valves

Interior Alarm

## 10 YEARS / 12 YEARS

### Hood Suppression NFPA 17, 17A

Regulator

Tank Cylinder (Hydrostatic Test)

Cartridge (Hydrostatic Test/Replacement) - ANSUL

Actuation Hose (Hydrostatic Test/Replacement)

NFPA 72: 2013 edition, NFPA 25: 2014 edition, NFPA 10: 2013 edition, NFPA 96: 2014 edition, NFPA 17: 2013 edition, NFPA 17A: 2013 edition, ULCS536: 2004 edition

NFPA (National Fire Protection Association) specifies the minimum Codes and Standards requirements. Frequency may vary based on a risk analysis by your Insurance Company or AHJ (Authority Having Jurisdiction).



**FIRE & SAFETY®**  
Since 1960

See other side for  
Functional Testing Requirements

© Fox Valley Fire & Safety, All Rights Reserved

11/24

**Code Required Fire & Safety Protection**  
Service • Testing • Inspections • Monitoring  
On Site Surveys • CAD Services • Installation • Repairs

**847-695-5990**  
**FoxValleyFire.com**



# Functional Testing - Code Required - Frequency

## DAILY - MONTHLY

### Automatic Fire Alarm ULC S536

Daily and Monthly Status Check

Supervisory field devices, Supervisory circuits and DCL, in-and-out conductors of supervised circuits, ancillary device control circuit, one initiating field device, operation of common audible and visual trouble signals, one emergency phone, voice paging capability to one zone, Battery terminals are clean and lubricated, terminal clamps are secure, electrolyte level and specific gravity.

### Portable Fire Extinguishers NFPA 10

Monthly - Ensure in proper operating condition. Safety seals, tags, pressure gauge readings, HMIS Label

### Emergency Lights NFPA 101

Monthly - 30 second quick check and battery check

### Fire Pump NFPA 25

Weekly system procedures. Monthly - Electric 10 min. Weekly - Diesel 30 min.

## QUARTERLY

### Sprinklers NFPA 25

Mechanical Water Flow Devices  
Tank High and Low Alarms that do not Report to a Fire Panel that is Monitored 24 Hours a Day  
Valves, Valve Components  
Hose Valves/PRV's  
Main Drain (with Backflow Device)  
Low Air Pressure Alarms  
Quick Opening Devices  
Priming Water  
Master PRV Main Drain

## SEMI-ANNUALLY

### Hood Suppression NFPA 17A

All Kitchen Suppression Systems

### Sprinklers NFPA 25

Valve Supervisory Devices  
High/Low Tank Alarms

### Automatic Fire Alarm NFPA 72

Batteries - Fire Alarm Systems  
Sealed Lead-Acid - Load Voltage Test

NFPA 72: 2013 edition, NFPA 25: 2014 edition,  
NFPA 10: 2013 edition, NFPA 96: 2014 edition,  
NFPA 17: 2013 edition, NFPA 17A: 2013 edition,  
ULCS536: 2004 edition

## ANNUALLY

### Portable Fire Extinguishers NFPA 10

Conductivity test of all carbon dioxide hose assemblies. Ensure in proper operating condition. Safety seals, tags, pressure gauge reading, HMIS label. Empty and recharge all stored pressure loaded stream fire extinguishers.

### Automatic Fire Alarm NFPA 72, ULC S536

Control Equipment: Building Systems Connected to Supervising Station  
Functions, Fuses, Interface Equipment, Lamps & LEDs, Primary (main) Power Supply, Transponders  
Batteries - Fire Alarm Systems  
Control Unit Trouble Signs  
Emergency Voice/Alarm Communications Equipment  
Remote Annunciators  
Initiating Devices  
Duct Smoke Detectors  
Electromechanical Releasing Devices  
Fire Extinguishing System(s) or Suppression System(s) Switches  
Fire Alarm Boxes (Pull Stations)  
Fire Phones  
Heat Detectors  
All Smoke Detectors - Functional  
Fire - Gas and other detectors

Interface Equipment  
Special Hazard Equipment  
Alarm Notification Devices  
Audible Devices  
Audible Textual Notification Appliances  
Visible Devices  
Supervising Station Fire Alarm System - Transmitters  
Digital Alarm Communicator Transmitter (DACT), Digital Alarm Radio Transmitter (DART)  
Special Procedures

### Sprinklers NFPA 25

Main Drain  
Antifreeze Solution  
Valves, Valve Components  
Pressure Reducing Valves/Relief Valves (part flow)  
Master Pressure Reducing Valves (full flow)  
Control Valves  
Dry System, Partial Trip Test  
Deluge, Pre-action Full Trip Test  
Air Maintenance Device  
Backflow Prevention Assemblies  
Full Forward Flow Test  
Private Fire Hydrant  
Standpipe  
Main Drain Test  
Hose Valves  
Valves (all types)  
Private Fire Service Mains  
Monitor Nozzles  
Hydrants  
Fire Pump System  
Full Flow  
Alarm Signals  
Annual Maintenance

## 2 YEAR INTERVAL

### Automatic Fire Alarm NFPA 72

Smoke Detector Sensitivity Testing

## 3 YEAR INTERVAL

### Sprinklers NFPA 25

Dry System Full Flow Trip Test  
Dry System Air Leakage  
Water Tanks without Corrosion Protection

## 5 YEAR INTERVAL

### Portable Fire Extinguishers NFPA 10

Hydrostatic testing of Carbon Dioxide, wet chemical and foam Fire Extinguishers  
Hydrostatic testing of cartridges associated with portable fire extinguishers and wheeled units  
Hydrostatic testing of carbon dioxide hoses equipped with a shut-off valve.

### Sprinklers NFPA 25

Gauges (Test or Replace)  
Sprinklers - Extra-high Temperature/Corrosive Atmosphere  
Internal Pipe Obstruction Inspection  
Fire Department Connections  
Hydrostatic Test Siamese Connections, (City of Pittsburgh every 3 years)  
Standpipe - Full Flow Test Remote Point  
Hose Connection Pressure Reducing Valves (full flow)  
Hydrostatic Test Manual/Dry Standpipes  
Standpipe Hoses - 5 year test for new fire hoses and every 3 years thereafter  
Valves, Valve Components  
Pressure Reducing Valves/Relief Valves (full flow)  
Private Fire Service Mains  
Full Flow Test  
Internal Tank Test  
Internal Backflow & Re-test

## 6 YEAR TEST

### Portable Fire Extinguishers NFPA 10

Stored-pressure extinguishers requiring 6 year hydrostatic test shall be emptied and subjected to applicable maintenance procedures.

## 12 YEAR INTERVAL

### Portable Fire Extinguishers NFPA 10

Hydro test of dry chemical and clean agent extinguishers  
Hydro test of dry chemical hose equipped with a shut-off valve

### Hood Suppression NFPA 17A

Hydrostatic Testing  
Cylinder  
Replacement of cartridge  
Regulator Test  
Wet Chemical Containers  
Auxiliary Pressure Containers  
Hose Assemblies

## 10 YEAR INTERVAL & GREATER

### Sprinklers NFPA 25

Dry Type: At 10 years and every 10 years thereafter  
Quick Response: At 20 years and every 10 years thereafter  
Standard: At 50 years and every 10 years thereafter

NFPA (National Fire Protection Association) specifies the minimum Codes and Standards requirements. Frequency may vary based on a risk analysis by your Insurance Company or AHJ (Authority Having Jurisdiction).



**NOTIFIER**® Platinum Partner  
by Honeywell  
The Only Chicagoland Company to be  
Awarded NOTIFIER Distributor of the Year



See other side for  
Visual Inspections Requirements

© Fox Valley Fire & Safety, All Rights Reserved

11/24

847-695-5990  
**FoxValleyFire.com**

