

## LIFE SAFETY DOCUMENTATION REQUIREMENTS

BASED ON THE 2012 EDITION OF NFPA 101

### FIRE ALARM SYSTEM

#### Initiating Devices (NFPA 72-2010; 14.4.5)

- Waterflow switches tested semi-annually
- Smoke detectors tested annually
- Heat detectors tested annually
- Duct detectors tested annually
- Manual pull stations tested annually

#### Supervisory Signal At Devices (NFPA 72-2010: 14.4.5)

- Low air pressure switches tested quarterly
- Low water level switches tested quarterly
- Tamper switches test semi-annually

#### Notification Devices (NFPA 72-2010; 14.4.5)

- Strobes, Horns, Bells & Chimes tested annually

#### Interface Relays and Modules (NFPA 72-2010; 14.4.5)

- Tested annually
  - Magnetic hold-open
  - Air handler shut-down
  - Kitchen hood suppression system
  - Elevator recall
  - Magnetic locks/Electric strikes
  - Fire pumps
  - Smoke dampers
  - CO2/Clean agent suppression
  - Sprinkler dry-pipe/pre-action
  - Overhead rolling fire doors

#### Control Panel Batteries (NFPA 72-2010; 14.4.5)

- Charger test performed annually
- Discharge test performed annually
- Load voltage test performed semi-annually

#### Smoke Detector Sensitivity Test (NFPA 72-2010;14.4.5)

- Performed every 2 years

#### Off-Premises Monitoring Transmission Equipment (NFPA 72-2010; 14.4.5)

- Tested annually

## FIRE SUPPRESSION SYSTEM

### Portable Fire Extinguishers (NFPA 72-2010; 14.4.5)

- Visual inspection completed monthly (NFPA 10-2010; 7.2.1.2)
- Certified maintenance completed annually (NFPA 10-2010; 7.3.1.1.1)

### Alternative Suppression Systems

- Kitchen hood system visual inspection completed monthly (NFPA 17A-2009; 7.2.1)
- Kitchen hood system test completed semi-annually (NFPA 17A-2009; 7.3.3)
- Halon system inspection and test completed semi-annually (NFPA 12A-2009; 6.1.1)
- CO2 system inspection completed monthly (NFPA 12-2011; 4.8.1)
- CO2 system test completed annually (NFPA 12-2011; 4.8.3.2)
- CO2 system tank weight completed semi-annually (NFPA 12-2011; 4.8.3.5.1)
- Clean agent system inspection completed semi-annually (NFPA 2001-2012; 7.1.3)
- Clean agent system test completed annually (NFPA 2001-2012; 7.1.1)

### Water-Based Suppression Systems

- Electric fire pump churn test completed weekly (NFPA 25-2011; 8.3.1.2)
- Diesel fire pump churn test completed weekly (NFPA 25-2011; 8.3.1.1)
- Control valve inspection completed monthly (NFPA 25-2011; 13.3.2.1.1)
- Wet pressure gauge inspection completed monthly (NFPA 25-2011; 5.2.4.1)
- Dry pressure gauge inspection completed weekly (NFPA 25-2011; 5.2.4.2)
- Fire department connection inspection completed quarterly (NFPA 25-2011; 13.7.1)
- Fire hose valve inspection completed quarterly (NFPA 25-2011; 13.5.6.1)
- Pre-action/Dry pipe valve priming completed quarterly (NFPA 25-2011; 13.4.3.2.1)
- Sprinkler system inspection completed annually (NFPA 25-2011; 5.2.1)
- Sprinkler system piping and hanger inspection completed annually (NFPA 25-2011; 5.2.2)
- Pre-action/Dry pipe valve trip test completed annually (NFPA 25-2011; 13.4.3.2.2)
- Main drain test completed quarterly (NFPA 25-2011; 13.2.5.1)
- Control valve exercise completed annually (NFPA 25-2011; 13.3.3.1)
- Backflow preventer test completed annually (NFPA 25-2011; 13.6.2)
- Anti-freeze test completed annually (NFPA 25-2011; 5.3.4)
- Private service fire hydrants test completed annually (NFPA 25-2011; 7.3.2)
- 2 ½" fire hose valve test completed annually (NFPA 25-2011; 13.5.6.2.1)
- Fire pump flow test completed annually (NFPA 25-2011; 8.3.3)
- Occupant use fire hose inspection completed annually (NFPA 1962-2008; 4.3.4)
- 1 ½" fire hose valve test completed every 3 years (NFPA 25-2011; 13.5.6.2.2)
- Occupant use fire hose pressure test completed initially 5 years, every 3 years after (NFPA 1962-2008; 4.3.2)
- Check valve inspection completed every 5 years (NFPA 25-2011; 13.4.2.1)
- Pressure gauge calibration completed every 5 years (NFPA 25-2011; 5.3.2)
- Standpipe waterflow test completed every 5 years (NFPA 25-2011; 6.3.1)
- Private fire service mains inspection completed every 5 years (NFPA 25-2011; 7.3.1)
- Internal inspection of piping completed every 5 years (NFPA 25-2011; 14.2.1)

## FIRE SUPPRESSION SYSTEM

### Water-Based Suppression Systems (cont.)

- Dry head sprinkler replacement completed every 10 years (NFPA 25-2011; 5.3.1.1.1.6)
- QR head sprinkler replacement completed every 20 years (NFPA 25-2011; 5.3.1.1.1.3)
- SR head sprinkler replacement completed every 50 years (NFPA 25-2011; 5.3.1.1.1)
- Spare sprinkler list completed once (NFPA 13-2010; 6.2.9.7)

## ADDITIONAL TESTING & INSPECTION REQUIREMENTS

### Emergency Power Generators

- Inspection completed weekly (NFPA 110-2010; 8.4.1)
- Battery electrolyte levels/voltage inspected monthly (NFPA 110-2010; 8.3.7.1)
- Manual stop switch tested monthly (NFPA 110-2010; 8.4.2)
- Monthly load test completed 20 to 40 days (NFPA 110-2010; 8.4.2)
- Annual load test (if required) completed annually (NFPA 110-2010; 8.4.2.3)
- Annual fuel test completed annually (NFPA 110-2010; 8.3.8)
- Replace lead-acid start batteries completed 24 – 30 months (NFPA 110-2010; A.5.6.4.5.1)
- 3-Year 4-Hour load test completed every 3 years (NFPA 110-2010; 8.4.9)

### Automatic Transfer Switches

- Inspection completed weekly (NFPA 110-2010; 8.4.1)
- Test with generator monthly (NFPA 110-2010; 8.4.6 and NFPA 99-2012; 6.4.4.1.1.4)

### Medical Gas and Vacuum Systems

- Maintenance and testing per policy (NFPA 99-2012; 5.1.14.4.5)
- Cross-contamination test after breach (NFPA 99-2012; 5.1.12.1.1)
- Purity and pressure test after breach (NFPA 99-2012; 5.1.12.1.1)
- Non-stationary booms w/flexible connectors leak test completed every 18 months (NFPA 99-2012; 5.1.14.2.3.2)
- Staff training on medical gas system completed annually (NFPA 99-2012; 11.5.2.1.2)

### Alternative Life Safety Measures

- Review policy per policy directive (NFPA 101-2012; 4.6.10.1)
- Implementation per policy (NFPA 101-2012; 4.6.10.1)
- Fire watch continuous as needed (NFPA 101-2012; 9.6.1.6 and NFPA 25-2011; 15.5.2)

### Fire/Smoke Damper Test

- Inside hospital facility 1 year then 6 years (NFPA 80-2010; 19.4 and NFPA 105-2010; 6.5.2)
- Outside hospital facility 1 year then 4 years (NFPA 80-2010; 19.4 and NFPA 105-2010; 6.5.2)

#### ADDITIONAL TESTING & INSPECTION REQUIREMENTS

- Overhead rolling door drop test completed annually (NFPA 80-2010; 5.2.1)
- Side-hinged fire doors inspected and test annually (NFPA 101-2012; 8.3.3.1)
- Exit sign illumination inspection completed monthly (NFPA 101-2012; 7.10.9.1)
- Elevator recall tested monthly for elevators equipped with Fire Fighter Service (NFPA 101-2012; 9.4.6.2)
- Remove grease from kitchen hood completed semi-annually (NFPA 96-2011; 11.4)
- Risk assessment to determine category designation of systems completed annually (NFPA 99-2012; 4.2)
- Patient bed location receptacles test completed annually (NFPA 99-2012; 6.3.4.1)
- Ground fault circuit interrupter test completed monthly (CMS 482.41(c)(2) )
- 30 second battery powered emergency light tested monthly (NFPA 101-7.9.3.1.1(1) )
- 90 minute battery powered emergency light tested annually (NFPA 101-7.9.3.1.1(3) )
- Healthcare fire drills completed 1 per shift per quarter (NFPA 101-18.7.1.6 & 19.7.1.6)
- Ambulatory fire drills completed 1 per shift per quarter (NFPA 101-20.7.1.6 & 21.7.1.6)
- Business fire drills completed 1 per shift per year (NFPA 101-38.7.2 & 39.7.2)
- Waste/linen chute doors inspected and tested annually (NFPA 82-2009; 10.2.2)