

## INSPECTION, TESTING, AND MAINTENANCE FREQUENCIES FOR FIRE SPRINKLER AND STANDPIPE SYSTEMS BASED ON THE 2007 EDITION OF NFPA-25

FLS has organized the following information regarding testing frequencies for fire sprinkler and standpipe systems. All of the following information can be found in the 2007 edition of the National Fire Protection Association, *Standard for Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems* (NFPA-25). For definitions, details, and procedures, please refer to the 2007 edition of NFPA-25.

### Sprinkler Systems

#### Inspection

ITEM	WEEKLY	MONTHLY	QUARTERLY	ANNUALLY	5 YEARS	10+ YEARS
Gauges (dry, preaction, and deluge systems)	X	-	-	-	-	-
Control valves	X	-	-	-	-	-
Gauges (wet pipe systems)	-	X	-	-	-	-
Alarm Devices	-	-	X	-	-	-
Hydraulic nameplate	-	-	X	-	-	-
Fire department connections	-	-	X	-	-	-
Buildings	-	-	-	Prior to freezing		-
Hanger/seismic bracing*	-	-	-	X	-	-
Pipe and fittings (damage, leakage, corrosion)	-	-	-	X	-	-
Spare sprinklers	-	-	-	X	-	-
Sprinklers	-	-	-	X	-	-
Sprinklers - extra-high temperature	-	-	-	X	-	-
Sprinklers - fast response	-	-	-	X	-	-

#### Testing

ITEM	WEEKLY	MONTHLY	QUARTERLY	ANNUALLY	5 YEARS	10+ YEARS
Alarm devices	-	-	X	-	-	-
Main drain	-	-	-	X	-	-
Antifreeze solution	-	-	-	X	-	-
All gauges	-	-	-	-	X	-
Sprinklers - extra-high temperature	-	-	-	-	X	-
Dry sprinklers	-	-	-	-	-	Every 10 years At 20 yrs. & every 10 yrs after
Sprinklers - fast response	-	-	-	-	-	At 50 yrs. & every 10 yrs after
Sprinklers** ***	-	-	-	-	-	At 50 yrs. & every 10 yrs after

#### Maintenance

ITEM	WEEKLY	MONTHLY	QUARTERLY	ANNUALLY	5 YEARS	10+ YEARS
Valves (all types)	-	-	-	X	-	-
Low point drains (dry pipe system)	-	-	-	X	-	-
Obstruction investigation (pipe flush)	-	-	-	-	X	-

- \* 5.2.3.4 Hangers installed in areas that are inaccessible for safety considerations due to process operations shall be inspected during each scheduled shutdown.
- \*\* 5.3.1.1.1.1 Sprinklers manufactured prior to 1920 shall be replaced.
- \*\*\* 5.3.1.1.1.4 Where sprinklers have been in service for 75 years, they shall be replaced or representative samples from one or more sample areas shall be submitted to a recognized testing laboratory acceptable to the authority having jurisdiction for field service testing. Test procedures shall be repeated at 5-year intervals.

### Standpipe Systems

<b>Inspection</b>				
<b>ITEM</b>	<b>WEEKLY</b>	<b>QUARTERLY</b>	<b>ANNUALLY</b>	<b>5 YEARS</b>
Control valves	X	-	-	-
Pressure regulating devices	-	X	-	-
Piping	-	X	-	-
Hose connections	-	X	-	-
Cabinet	-	-	X	-
Hose	-	-	X	-
Hose storage device	-	-	X	-

<b>Testing</b>				
<b>ITEM</b>	<b>WEEKLY</b>	<b>QUARTERLY</b>	<b>ANNUALLY</b>	<b>5 YEARS</b>
Alarm device	-	X	-	-
Hose nozzle	-	-	X	-
Hose storage device	-	-	X	-
Main drain test	-	-	X	-
Hose	-	-	-	X
Pressure control valve	-	-	-	X
Pressure reducing valve	-	-	-	X
Hydrostatic test	-	-	-	X
Flow test	-	-	-	X

<b>Maintenance</b>				
<b>ITEM</b>	<b>WEEKLY</b>	<b>QUARTERLY</b>	<b>ANNUALLY</b>	<b>5 YEARS</b>
Hose connections	-	-	X	-
Valves	-	-	X	-