

PRIVATE MAINS USED FOR FIRE SERVICE

Inspection, testing, and maintenance of private water supply systems used for fire service shall be performed in accordance with the manufacturer's instructions and NFPA 25 (latest edition). The following list highlights minimum requirements for the essential care of private water supply systems used for fire service. This list, however, is not meant to replace manufacturer's instructions and updated code requirements. This data is based on the 2014 edition.

**NFPA 25 Table 7.1.1.2: Summary of Fire Service Main
Inspection, Testing, and Maintenance**

ITEM	FREQUENCY	NFPA 25 REFERENCE
<u>Inspection</u>		
Hose houses	Quarterly	7.2.2.7
Hydrants (dry barrel and wall)	Annually and after each operation	7.2.2.4
Monitor nozzles	Semiannually	7.2.2.6
Hydrants (wet barrel)	Annually and after each operation	7.2.2.5
Mainline strainers	Annually and after each significant flow	7.2.2.3
Piping (exposed)	Annually	7.2.2.1
Piping (underground)	See 7.2.2.2	7.2.2.2
<u>Testing</u>		
Monitor nozzles (flow test)	Annually (range and operation)	7.3.3
Hydrants (flow test)	Annually	7.3.2
Piping (exposed and underground) (flow test)	3 years ¹	7.3.1
<u>Maintenance</u>		
Mainline strainers	Annually and after each operation	7.2.2.3
Hose houses	Annually	7.2.2.7
Hydrants	Annually	7.4.2
Monitor nozzles	Annually	7.4.3

¹ Frequency increased from 5 years per NFPA 25, to 3 years due to lack of historical data for piping on SI property.

**NFPA 25 Table 13.1.1.2: Summary of Valves, Valve Components, and Trim
Inspection, Testing, and Maintenance**

ITEM	FREQUENCY	NFPA 25 REFERENCE
<u>Inspection</u>		
<i>Backflow Prevention Assemblies</i>		
Reduced pressure	Weekly/monthly	13.6.1
Reduced pressure detector	Weekly/monthly	13.6.1
Fire Department Connections	Quarterly	13.7.1
<u>Testing</u>		
Backflow Prevention Assemblies	Annually	13.6.2