

CHECKLIST FOR PRIVATE FIRE SERVICE WATER MAINS

All code references are to NFPA 24, 2002 edition, unless otherwise noted.

- 1.) Y ____ N ____ N/A ____
The **owner** shall be responsible for **maintaining the system** and keeping it in **good working condition**. Each hydrant shall be **fully opened and closed** under system water pressure and dry barrel hydrants checked for proper drainage. Where **fire pumps are available**, this shall be done with pumps running. (NFPA 25:4.1 and NFPA 24: 14.1)

- 2.) Y ____ N ____ N/A ____
Exposed piping shall be **inspected annually** (unless inaccessible for safety considerations). (NFPA 25:7.2.2.1.1)
Records of these inspections must be maintained.

- 3.) Y ____ N ____ N/A ____
Underground and exposed piping shall be **flow tested** to determine the internal condition of the piping at minimum **5-year intervals**. (NFPA 25:7.3.1)

- 4.) Y ____ N ____ N/A ____
Connections to public water systems shall be controlled by **post indicator valves** of an approved type and located not less than 40 feet from the buildings protected. (NFPA 24:5.5)

- 5.) Y ____ N ____ N/A ____
Water supply connections from **penstocks, flumes, rivers, lakes or reservoirs** shall be arranged to avoid mud and sediment and shall be provided with approved **double removable screens or approved strainers installed in an approved manner**. (NFPA 24:5.8)

Fire Department Connections

- 6.) Y ____ N ____ N/A ____
One or more fire department connections (**FDCs**) shall be provided. (NFPA 24:5.9.1)

- 7.) Y ____ N ____ N/A ____
Fire department connections shall be **properly supported**. (NFPA 24:5.9.1.2)

- 8.) Y ____ N ____ N/A ____
There shall be **no shutoff valve** in the fire department connection. (NFPA 24:5.9.3.2)

- 9.) Y ____ N ____ N/A ____
A listed check valve shall be installed in each fire department connection. (NFPA 24:5.9.3.1)

10.) Y ____ N ____ N/A ____

The pipe between the check valve and the outside hose coupling shall be equipped with an approved automatic drip. (NFPA 24:5.9.4.1)

11.) Y ____ N ____ N/A ____

Fire department connections shall be of the approved type, equipped with standard caps, properly secured and arranged for easy removal. (NFPA 24:5.9.1.3 and 24:5.9.1.4)

Signs

12.) Y ____ N ____ N/A ____

Fire department connections shall have a designated sign having raised letters at least 1 inch in size cast on a plate or fitting. (NFPA 24:5.9.5.3)