

SPARKS FIRE DEPARTMENT

Contractors Guidelines for Maintenance of Private Fire Hydrants & Standpipes

INTENT:

To outline the correct procedure and method for providing maintenance of private fire hydrant installations and standpipe systems located in the City of Sparks.

PERSONS AFFECTED:

Licensed Contractors

POLICY:

To maintain a dependable fire protection water supply system, the Sparks Fire Department will ensure private fire hydrants are serviced by a licensed contractor every year.

PROCEDURE:

General Servicing Requirements

1. All private fire hydrants shall be serviced annually in accordance with the most current edition of NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.
2. Wet and dry standpipe systems will be serviced in accordance to the most current edition of NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.
3. Contractors will maintain a City of Sparks business license.
4. Servicing will be completed by a contractor licensed by the State Contractor's Board and the Nevada State Fire Marshal.
5. The Contractor providing the service will possess a Nevada State Fire Marshal Hydrant license and Certificate of Registration for fire hydrant work, and an "T" License and Certificate of Registration for Standpipe work. A person possessing a Nevada State Fire Marshal's license will supervise all work.
6. The property owner will be responsible for fire hydrant and standpipe service and will maintain service reports on site.
7. Copies of service reports will be submitted to the Sparks Fire Department Fire Prevention Bureau by the servicing contractor within 48 hours of servicing. Preferred submittal method is through The Compliance Engine web site. WWW.thecomplianceengine.com
8. All deficiencies found will be noted on the service report.
9. Technicians will use tools as specified by the manufacturer for fire hydrant or standpipe servicing.
10. Hydrant flows shall be verified at least every five years in accordance with NFPA 25.

Service Reports

The following information must be provided on service reports:

1. Name, address, and City of Sparks business license number of company providing service.
2. Name and address of the site being serviced.
3. Name, address, and phone number of Management Company responsible for on-site operations.
4. Date of service and name of servicing technician(s).
5. Number of hydrants serviced.
6. Number of standpipes tested.
7. List of all deficiencies.
8. List of items and or processes checked as part of the service.

Private Hydrant Servicing

1. Obstructions such as landscape material will be kept a minimum of 36" from the circumference of the body of the hydrant.
2. Fire hydrant pumper outlet will point toward the fire lane.
3. The outlet nozzles should be high enough above the ground for hose attachment. A distance of between 12" – 24" to the center of the outlet is required.
4. Caps are in place and the outlet threads are not damaged. Remove and clean all caps.
5. Cap gaskets are in place and seal correctly.
6. Operating nut has no excessive wear or rounded corners.
7. Flush hydrant in accordance with NFPA 25, not a flow test
8. Hydrant should open fully and close smoothly.
9. Check for signs of underground leaking.
10. Check that hydrant drains properly.
11. Hydrant street valve will be checked and left in the fully open position.
12. Vehicle protection bollards are functional and maintained in good condition.
13. Hydrants will be re-painted as needed with a Fuller O'Brien Ultra Red semi-gloss paint or equivalent. Pressurized fire hydrant systems will be painted red with a yellow pumper outlet. Yellow paint will be Sherwin Williams Safety Yellow or equivalent.
14. All defective hydrants will be marked out-of-service with a yellow service ring on the pumper outlet and reported to the facility owner and fire department

Fire Standpipe Systems

1. The National Fire Protection Association (NFPA) Standard 25 establishes the requirements for the periodic inspection and testing of water-based fire protection systems.
2. Hydrostatic test all connected hose (i.e. hose cabinets) per NFPA 1962 where existing and installed.
3. Where a possibility of water damage could occur, the system will first be pressurized with air to 25 psi to determine initial system integrity.
4. Conduct a hydrostatic test of all system components.
5. Conduct a full flow test.
6. High-Rise: Provide a flow of not less than 500 gpm with a 100 psi residual pressure at the topmost outlets of the hydraulically most remote standpipe. Where any floor area exceeds 80,000 square feet, the second most remote standpipe shall flow 500 gpm also.
7. Provide, simultaneously, an additional 250 gpm from every other standpipe with the total flow not to exceed 1,250 gpm or 1,000 gpm in fully sprinklered buildings.
8. The Sparks Fire Department must be notified not less than 48 hours prior to any test.
9. Copies of service reports will be submitted to the Sparks Fire Department Fire Prevention Bureau by the servicing contractor within 48 hours of servicing. Preferred submittal method is through The Compliance Engine web site, WWW.thecomplianceengine.com