

SANTA ROSA FIRE DEPARTMENT

FIRE PREVENTION BUREAU

INSPECTION CHECKLIST

July 1, 2010



STANDPIPE SYSTEMS

Address:		Permit #:
Inspector:	Date Inspected:	Status:
Inspector:	Date Inspected:	Status:
A-Approved, R-Re-inspection Required		

This Checklist outlines general requirements. Information contained herein applies to typical instances and may not address all circumstances.

CODE REFERENCES

2007 California Fire Code (CFC), Chapter 9 Section 905
National Fire Protection Association (NFPA) 14

REQUIRED INSPECTIONS

1. Rough and Hydrostatic Inspection(s)
2. Sprinkler Final Inspection (including flow test)

FILE REVIEW

- | | Y | N | |
|----|--------------------------|--------------------------|---|
| 1. | <input type="checkbox"/> | <input type="checkbox"/> | Is there an alternate method application approved? |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> | Are there any special requirements or AM&M proposals? |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> | Permit fees entered in Permits Plus |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> | Verify all systems have been finalized prior to building final. |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> | Plans are on site. |

SYSTEM DESIGN

- | | | | |
|----|--------------------------|--------------------------|---|
| 6. | <input type="checkbox"/> | <input type="checkbox"/> | CFC 905.3 - Verify location and size of standpipes and FDCs comply with the plans. |
| 7. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.3 - Verify outlet valves are functional and hose threads in good condition. |
| 8. | <input type="checkbox"/> | <input type="checkbox"/> | CFC 905.3 - Verify roof outlets comply with the plans. |
| 9. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.8.1 - Verify hydraulic calculation information sign is mounted at the system control valve. |

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- | | Y | N | |
|-----|--------------------------|--------------------------|--|
| 10. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.5.7 - Verify main drain valve, if provided, is opened until system pressure stabilizes. |
| 11. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.4.1 - Verify no shutoff valve is in the FDC. |
| 12. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.4.2 - Verify check valve is near the FDC connection to the system. |
| 13. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.4.4 - Verify the pipe between the FDC and the check valve has an automatic drip. |
| 14. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.4.6 - Verify the FDC is 18 in. to 48 in. above finish grade and signed. |
| 15. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 7.11 - Verify a standpipe drain is provided at the lowest point and it drains to the exterior. |
| 16. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.1.2 - Verify standpipes are located in noncombustible stair enclosures or equivalent construction. |
| 17. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 7.3 - Verify hose connections are readily accessible, 3 ft. to 5 ft. above the floor, and caps are tight. |
| 18. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 7.8 - Verify standpipes having listed pressure-regulating devices will be flow tested to verify the PSI setting. |
| 19. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.3 - Verify all manual valves shall be fully opened, fully closed, and supervised or secured. |
| 20. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.5 - Verify riser supports are provided at the lowest level, alternate levels and at the top. |
| 21. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.3 - Verify connection to the water supply has a listed indicating-type valve and a check valve located close to the supply. |
| 22. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.5 - Verify lateral runs from standpipe to the hose valve over 18 in. are provided with hangers. |
| 23. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 6.5 - Verify horizontal standpipe hangers do not exceed a 15 ft. spacing. |
| 24. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 4.6.2 - Verify attached 1½ in. hose is free from mildew, cuts, abrasions, and couplings, gaskets, and nozzles are undamaged and without obstructions. |
| 25. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 7.5 - Verify multiple Class I and III standpipes are interconnected at the bottom. |
| 26. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.5.8.1 - Verify automatic and semiautomatic-dry systems are tested by initiating a flow from the hydraulically most remote hose connection and water is delivered in 3 minutes and each remote control device is tested per the manufacturer's instructions. |

SYSTEM TESTING

- | | | | |
|-----|--------------------------|--------------------------|--|
| 27. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.2 - Verify underground pipe from FDC to check valve in inlet pipe is flushed before completing systems. |
| 28. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.5 - Verify standpipe test including yard and FDC piping. |
| 29. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.4 - Verify hydrostatic test at 200 PSI for 2 hours, PSI is measured at the lowest point or B. |

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|-----|--------------------------|--------------------------|--|
| 30. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.4 - Verify hydrostatic test not less than 50 PSI in excess of maximum pressure; where the maximum pressure is in excess of 150 PSI. |
| 31. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.5 - Verify the hydraulically most remote standpipe will verify system design pumping through the FDC. |
| 32. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.5 - Verify a flow test at each roof outlet to verify the required pressure and flow is available,11.5. |
| 33. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.5.5 - Verify maximum flow from a 2½ in. hose connection is 250 GPM, for a 1½ in. connection it is 100 GPM. |
| 34. | <input type="checkbox"/> | <input type="checkbox"/> | NFPA 14 – 11.5.6 - Verify pressure regulating devices are flow tested to verify proper operation. |