



Clark County Fire Department

FIRE PREVENTION BUREAU

4701 W. Russell Road • Las Vegas, NV 89118

John Steinbeck, Fire Chief

Kelly Blackmon, Sr. Deputy Fire Chief/Fire Marshal

Danny Horvat, Assistant Fire Chief • Wayne Dailey, Assistant Fire Chief



PERMIT GUIDE

FIRE STANDPIPE SYSTEMS – NFPA 14

This guide is to assist in the permitting process for standpipe systems. A permit is required for the installation of fire standpipe systems per 105.7.24 of the IFC.

APPLICABLE CODES:

The following codes and standard apply to this permit.

- *Standard for the Installation of Standpipe Systems, NFPA 14, 2016 edition*
- *International Fire Code, 2018 edition (IFC)*
- *Clark County Fire Code Amendments, 2018 edition (CCFC)*

Standpipe systems shall be installed in accordance with Section 905 of the IFC as amended by the CCFC. The design shall be in accordance with the NFPA 14.

Link to CCFC: See the amendments to codes and standards using the link below:

https://cms8.revize.com/revize/clarknv/Building%20&%20Fire%20Prevention/Codes/ClarkCounty_FireCodeAmendments2018.pdf?t=1598331770575&t=1598331770575

SUBMITTAL REQUIREMENTS:

These submittal requirements are not all inclusive, nor are they a limit to the extent of the information, etc., which may be necessary to properly evaluate the submitted plans and documents. Not all items may apply to your project.

- 1. PLANS:** To be designed to an indicated, architectural scale and sized 30" x 42" saved to a .PDF file. Plans shall include all information applicable to project per NFPA 14 Section 8.1.2 as amended by the CCFC.
- 2. HYDRAULIC CALCULATIONS:** Complete hydraulic calculations per NFPA 14 section 8.2.
- 3. MATERIAL DATA:** Provide manufacturer's specification sheets for all components.
- 4. SUPPORTING DOCUMENTS:** Provide the documents that support the design. These include:
 - Approved civil engineering plans
 - Approved Fire Protection Report (FPR) and/or Alternate Means of Compliance Report
 - Letter confirming structural integrity of hangers and bracing for pipe supported by light framed construction. See Appendix A of this Permit Guide
 - Originally approved standpipe plans if re-submitting or modifying an existing system
 - Fire pump acceptance test results dated within 12-months of the submittal date

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5. **Plans to be REVIEWED AND SIGNED** by a NICET Level 2 Designer in Water-Based Fire Protection Systems or a Nevada registered Professional Engineer working the expertise of fire suppression design per section 901.2.2. of the CFCC. **Submittals shall include the designer's name, certification number and signature.**

NFPA 14 PERMIT GUIDE

APPENDIX A

EXAMPLE OF CERTIFICATE OF COMPLIANCE OF LOAD BEARING

(PROVIDE ON COMPANY LETTERHEAD)

CERTIFICATE OF COMPLIANCE

FIRE SUPPRESSION SYSTEM STRUCTURAL LOADING

[*INSERT ENGINEER'S NAME AS REGISTERED*] performed and completed the review of the available structural engineering drawings and calculations and/or verified the existing conditions in the field and hereby certifies that the additional loads imposed to the structural members by the proposed fire sprinkler and/or standpipe system(s) design, including piping, attachments and connections being installed under [*INSERT PROJECT NAME, PERMIT NUMBER, REVISION NUMBER AND DATES OF THE DRAWINGS AND CALCUALTIONS*] are within the allowable limits of *Clark County Code 22.04, The Building Code of Clark County.*

REGISTERED DESIGN PROFESSIONAL'S

SEAL HERE