



## TECHNICAL POLICY

### 14 – 04 Waiver of Required Pressure at Standpipe Outlets

Original Issue: February 1985  
**Revised: April 2006**

1. Required class 1 standpipe pressure:
  - a. Buildings that are NOT completely protected by sprinklers:

Class 1 standpipe in buildings that do not exceed 5 stories or 60 feet in height may not be required to have the normally required 100 psi provided at the hose valves. The decision to waive the required pressure will be made on a project by project basis. The request for the waiver is to be made in writing by the building owner or the project architect/engineer and is to include calculations that indicate that a residual pressure of at least 40 psi will be available at the hose valves.
  - b. Non high-rise buildings that are completely protected by sprinklers installed to NFPA standards 13 or 13R:

The class 1 standpipe shall be wet type, pressure requirements only need to meet the requirements of the sprinkler system when the sprinkler system is not reliant on a fire pump.
2. The pipe sizing of standpipe that do not provide 100 psi residual pressure shall meet the sizes in the pipe schedule table in NFPA 14 and MFD policy 14-05. When required by #1.a. above, calculations shall be provided to show that a minimum of 40 psi residual pressure is available at the most remote hose valve at required flow. The calculations shall be based on the city water supply available at the site. When a new fire pump is part of the system, the required 100 psi shall be provided.