

Seminar Title: Standpipe Systems for Fire Protection

Seminar Description: This one-day program provides the participant with the requirements for design, layout, installation and acceptance testing of standpipe systems using NFPA 14. Through discussion and activities the seminar will address topics such as system pressures, the challenges of tall buildings, requirements for horizontal standpipes and the acceptance requirements for standpipe systems.

Total Instructional Time: 8 Contact Hours

Learning Outcomes: At the conclusion of this seminar the participant will be able to:

1. Discuss the different types of standpipe systems
2. Identify standpipe system components and hardware
3. Recognize the differences between horizontal standpipes and lateral runs of pipe to standpipe outlets.
4. Discuss the rules of NFPA 14 that are specific to high-rise buildings
5. Determine the net result of the NFPA 14 and NFPA 20 rules
6. Select fire pumps to match the flow and pressure demand requirements of a standpipe system without over pressurizing portions of the system.
7. Calculate the effect of elevation head in tall buildings.
8. Recognize manual standpipe systems and where these standpipe systems are installed.
9. Identify the tests and documents required for a standpipe system to be accepted

Seminar Format(s): Lecture, Discussion

Participant Materials: Participant Guides

Assessment Methods: Discussion and Activities