NFSA Live On-Line Fire Sprinkler Technical Seminars

(See special pricing for the following seminars on our registration form)

The sprinkler installation standards are generally concerned with where and how to install sprinklers inside of a building but sprinklers are sometimes required outdoors, too. Examples of sprinklers outside include exposure protection systems, assembly pavilions, eaves, and other projections. Concerns arise for corrosion, freezing, and other environmental conditions when sprinklers are installed in these applications. This lesson will review some of the situations requiring sprinklers to be installed outdoors as well as some of the special installation issues that must be considered

January 17, 2017
Sprinklers Installed Outside
Robert Upson, MS FPE

The use of remote or automated systems are becoming more commonplace and because of that, ensuring the automated inspection/testing equipment performs as needed is more important now than ever. The 2017 edition of NFPA 25 now contains regulations and guidance for automated inspections and testing. In this presentation, we will take a look at some of the remote inspection and testing systems that exist and what should be done to ensure their proper operation.

February 21, 2017
Remote Monitoring and Remote ITM
Jason Webb

Pipe and valves are key components of any sprinkler system. They need to be installed correctly and with consideration of how they will be used over the life of the system, which includes the ability to perform maintenance. Choosing the correct types components for the system at hand is a necessity. The detailed locations and trim for valves, including control valves, check valves and pressure reducing valves will be discussed. In general, this seminar will cover the installation requirements for pipe and valves for various sprinkler systems.

March 21, 2017
Piping and Valve Installation
Louis Guerrazzi, EIT

Water-based fire protection systems need a reliable source of water. Stored water is a common and acceptable type of water supply for these systems. NFPA 22 is the Standard for Water Tanks for Private Fire Protection. This document describes the minimum requirements of the various types of tanks used for fire protection including gravity tanks, suction tanks, pressure tanks and break tanks. This seminar will highlight the requirements of this standard and will include valuable information on the various aspects of water tanks design and installation including: tank capacity, acceptable tank material, tank heating, pipe connections and fitting as well as acceptance test requirements and inspection testing and maintenance of water tanks.

April 18, 2017
Tanks per NFPA 22
Roland Asp, CET

The 1973 America Burning report encouraged the U.S. building codes to allow more increased active fire protection systems to reduce passive fire protection systems. This becomes the birth of the tradeoff, or when lives and properties are saved, it is better referred to as the "trade up". Since then, the NFSA and many allies have been involved in the model code arena to promote the attributes of fire sprinkler systems. This program will highlight some of the long serving trade ups in the model codes, the financial benefits of trade ups for building designers and building owners, and tools to convince customers and communities that fire sprinkler systems and trade ups save lives, property and money which benefit everyone that uses current codes.

May 16, 2017
Trade Ups in the IBC
Jeffery M Hugo, CBO

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As part of the 2018 NFPA code cycle, two documents are changing in ways that will impact the way you do business. First, NFPA 3, Recommended Practice for Commissioning of Fire Protection and Life Safety Systems will become a standard. Both NFPA 3 and NFPA 4, Standard for Integrated Fire Protection and Life Safety System Testing are being incorporated through reference into the International Building Code, NPFA 101, Life Safety Code and NFPA 5000, the Building Construction and Safety Code. The important changes impacting how sprinkler systems are commissioned will be discussed as NFPA 3 becomes a standard. What will you need to do that you aren't doing now? How will this impact cost and time? The important changes impacting integrated testing will be discussed as NFPA 4 becomes more widely used. Will every sprinkler system supervised by a fire alarm system require integrated testing plans and written procedures? These important topics will be discussed.

June 20, 2017
The Impact of NFPA 3 and NFPA 4 on Sprinkler Systems
Mark Hopkins, PE

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