

# NFSA Live On-Line Fire Sprinkler Technical Seminars PRICING & REGISTRATION

Please select the seminars you wish to participate in:

- \_\_\_\_\_ Introduction to Standpipes - January 10, 2012
- \_\_\_\_\_ Class II Standpipe Systems - January 24, 2012
- \_\_\_\_\_ Class I and Class III Standpipe Systems - February 7, 2012
- \_\_\_\_\_ Pressure Control in Buildings with Standpipe Systems - Feb 21, 2012
- \_\_\_\_\_ Pumps and Standpipe Systems - March 06, 2012
- \_\_\_\_\_ NFPA 20 and NFPA 14 for High-Rise Buildings - March 20, 2012
- \_\_\_\_\_ Hanging, Bracing and Protection of Standpipe System Piping - Apr 03, 2012
- \_\_\_\_\_ Manual Standpipe Systems - April 17, 2012
- \_\_\_\_\_ Dry Standpipe Systems - May 08, 2012
- \_\_\_\_\_ Horizontal Standpipes and Lateral Piping - May 22, 2012
- \_\_\_\_\_ Acceptance Testing of Standpipes - June 05, 2012
- \_\_\_\_\_ Periodic Inspection, Testing and Maintenance of Standpipe Systems - June 19, 2012

\*\*\*\*Please note all seminars start at 10:30 a.m. EST.

## SPECIAL OFFER

Order 10 or more seminars and receive 30% off!

**\*Note:** All seminars must be ordered at the same time for discount.

**C.A.S.A. Member Price \$149.00 CDN (+13 % HST)**

**Non-Member Price \$299.00 CDN (+13 % HST)**

A late registration fee of \$25 will be added if order is received less than 3 days prior to the seminar.

\*A confirmation email and password will be sent once registration is received.

## INFORMATION

Name: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Email: \_\_\_\_\_  
Phone #: \_\_\_\_\_  
# of Seminars Attending: \_\_\_\_\_  
Total Cost: \_\_\_\_\_  
13 % HST: \_\_\_\_\_  
GRAND Total: \_\_\_\_\_  
Method of Payment: Cheque \_\_\_ VISA \_\_\_ Master Card \_\_\_ AMEX \_\_\_  
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\*A payment confirmation email will be sent to the email address listed above.

Please fill out this form and send back to the C.A.S.A. office Via fax at: 905 477 3611  
or email this form back with the subject heading "seminars" to: info@casa-firesprinkler.org



# NFSA Live On-Line Fire Sprinkler Technical Seminars

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

Standpipe systems are required in buildings that are four stories or more to fight fires in these larger structures. This seminar serves as an introduction to standpipe systems, NFPA 14, and this series of standpipe lessons. It covers the general types, classes, and components of these systems as well as typical layouts used for standpipe systems.

January 10, 2012 - Introduction to Standpipes  
Beginner  
Karl Wiegand, E.I.T.

NFPA 14 defines three different classes of standpipe systems. The Class II Standpipe System is the simplest of the three, being designed for trained personnel in the building that arrive before fire department apparatus. This seminar will discuss the purpose, design and calculation of Class II systems including how to determine where hose connections need to be located and pressure limitations on the water discharging

January 24, 2012 - Class II Standpipe Systems  
Beginner  
Kevin J. Kelly, P.E.

This seminar will cover the rules for installing Class I and Class III standpipe systems. These rules come from several sources and will explore topics such as outlet location, hydraulic calculations, and pressure rules. Several common scenarios involving Class I and Class III standpipes will be discussed. Examples of calculation procedures will also be demonstrated. Attending this seminar will increase the understanding of when and where these systems are installed, and how to calculate them.

February 7, 2012 - Class I and Class III Standpipe Systems  
Beginner  
Jeff Hugo, CBO

This seminar will begin with a review of the pressure requirements for standpipe systems, and will address the ways in which pressure is controlled for the use of standpipe systems by fire departments and, in some cases, the general public. The definitions of various terms like pressure reducing, pressure control, pressure restricting, direct acting and pilot operated will be provided, with the limitations of the corresponding devices clarified. The rules relating to configurations of zones, valves, pumps and drains will be explored, with examples provided of the arrangements allowed by the standards.

February 21, 2012 - Pressure Control in Buildings with Standpipe Systems  
Intermediate  
Russell P. Fleming, P.E.

This seminar will focus on selecting fire pumps to match the flow and pressure demand requirements of the standpipe system without over pressurizing portions of the system. This will include tall buildings with significant elevation head to overcome and buildings in seismic zones with two or more water supplies at different pressures. Where high pressure is a concern, the option of splitting the building into multiple vertical zones will be explored by using multiple pumps and by using a single pump with the master pressure reducing assembly permitted by NFPA 14.

March 6, 2012 - Pumps and Standpipe Systems  
Intermediate  
Kenneth E. Isman, P.E.

# NFSA Live On-Line Fire Sprinkler Technical Seminars

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

NFPA 20 and NFPA 14 each have different requirements for how to provide water supplies for standpipe systems in high-rise buildings. This seminar will show how the requirements of each of these standards can be put together to form a comprehensive standpipe system that meets both NFPA 20 and NFPA 14.

March 20, 2012 - NFPA 20 and NFPA 14 for High-Rise Buildings  
Advanced  
James D. Lake

Protecting the piping for any fire protection system, including standpipe systems, is important. One aspect of this is proper hanging and gravitational support of the piping system. Another aspect is protection from environmental conditions such as freezing or earthquakes. In addition, protection from mechanical damage and fire scenarios will be discussed.

April 03, 2012 - Hanging, Bracing and Protection of Standpipe System Piping  
Beginner/Intermediate  
Victoria B. Valentine, P.E.

This seminar will cover the rules of installing and designing manual standpipe systems. It will cover the definitions of manual dry and wet systems and where these systems can be used, as well as some of the critical components of the system. There will also be a discussion of simple calculations and examination of the water supply for these systems from local fire department equipment.

April 17, 2012 - Manual Standpipe Systems  
Beginner  
Jeff Hugo, CBO

There are three different types of dry standpipe systems: automatic-dry systems, semi-automatic-dry systems, and manual-dry systems. This seminar will define each of these systems, discuss how they work, when they should be selected, and cover the special design and hydraulic calculation requirements for each of the dry systems.

May 08, 2012 - Dry Standpipe Systems  
Beginner  
Kevin J. Kelly, P.E.

Horizontal standpipes are treated differently than lateral runs of pipe to standpipe outlets by NFPA 14. This seminar will cover the differences between these two situations for both layout considerations and hydraulic calculations. In addition, this presentation will cover the different protection rules for these different piping situations.

May 22, 2012 - Horizontal Standpipes and Lateral Piping  
Intermediate  
Kenneth E. Isman, P.E.

# NFSA Live On-Line Fire Sprinkler Technical Seminars

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

System acceptance tests are important for making sure that a newly installed system is working correctly and establishing a baseline of performance for all future system tests. This seminar will serve as a walk through for acceptance test requirements of NFPA 14.

June 05, 2012 - Acceptance Testing of Standpipes  
Intermediate  
Karl Wiegand, E.I.T.

Standpipes are often neglected in the periodic inspection, testing, and maintenance of fire sprinkler systems. However, this key component is crucial to the firefighting tactics in multi-story structures and can dramatically impede efforts if the standpipe system is not functioning properly. This seminar will review the requirements of NFPA 25, Chapter 6, that deal with the upkeep for standpipe systems to operate effectively.

June 19, 2012 - Periodic Inspection, Testing and Maintenance of Standpipe Systems  
Beginner  
Bernie Arends