

Registration Information

Technical Tuesdays

Check which sessions you wish to participate in:

- CPVC Piping Compatibility and Use July 11, 2006
- Where Codes Override Installation Standards August 1, 2006
- Sprinkler Obstructions August 22, 2006
- Concealed Spaces September 12, 2006
- Commissioning of Systems September 26, 2006
- Draft Stops and Closely-Spaced Sprinklers October 10, 2006
- Confusing Aspects of Storage Protection October 24, 2006
- Emerging Issues for Residential Sprinkler Systems .. November 7, 2006
- Protective Coatings for Piping November 21, 2006
- Other Problem Areas/Frequently Asked Questions .. December 12, 2006

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Seminars will take
place on the Internet
on Tuesdays:

10:30AM Eastern/
9:30AM Central/
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2:30PM Greenwich

Focus on Preventing Contractor Problems

For the On Line Seminar Series in the second half of 2006, the NFSA has decided to focus on ten areas that lead to installation problems with sprinkler systems. Some of these ten areas are traditional problems of understanding the installation rules, while some relate to problem areas surfacing with regard to new technologies. Over the course of 10 programs, each area will be explored with the view that problems can be prevented through the use of proper procedures. The programs will be:

DATE	TOPIC	INSTRUCTOR
July 11	CPVC Piping Compatibility and Use	Russell P. Fleming, P.E.
Aug 1	Where Codes Override Installation Standards	Kevin J. Kelly, P.E.
Aug 22	Sprinkler Obstructions	Victoria B. Valentine, P.E.
Sept 12	Concealed Spaces	Cecil Bilbo, Jr.
Sept 26	Commissioning of Systems	Victoria B. Valentine, P.E.
Oct 10	Draft Stops and Closely-Spaced Sprinklers	Russell P. Fleming, P.E.
Oct 24	Confusing Aspects of Storage Protection	Kenneth E. Isman, P.E.
Nov 7	Emerging Issues for Residential Sprinkler Systems	Kevin J. Kelly, P.E.
Nov 21	Protective Coatings for Piping	Cecil Bilbo, Jr.
Dec 12	Other Problem Areas/Frequently Asked Questions	Kenneth E. Isman, P.E.

THE FOLLOWING ARE THE DESCRIPTIONS FOR EACH CLASS:

July 11, 2006

CPVC Piping Compatibility and Use

– Russell P. Fleming, P.E., Executive Vice President – *Intermediate*

Although introduced as a special listed product, the CPVC piping system has become the industry standard for residential and similar applications. Some specific rules relating to CPVC pipe and fittings are now found within the NFPA standards. Special precautions must be taken with regard to hanging, testing, and other aspects of use. There are also newer concerns of compatibility with other products found in sprinkler systems that require attention to prevent system failures. The focus of this seminar will be on identifying and avoiding these compatibility problems.

August 1, 2006

Where Codes Override Installation Standards

– Kevin J. Kelly, P.E., Manager of Codes – *Intermediate*

This seminar will discuss sections in the model codes which override the requirements of the installation standards. It will also discuss requirements which are not specifically covered in the installation standards. The International Building Code, NFPA 5000 Building Construction and Safety Code and NFPA 101 Life Safety Code all have requirements for fire protection systems which are in addition to NFPA 13, 13R or 14. Some of the specific topics will include: sprinkler zones, sprinklers on balconies, sprinklers in chutes, atriums, closets, standpipes, concealed spaces, the storage of fuel for generators, and requirements for high rise buildings.

August 22, 2006

Sprinkler Obstructions

– Victoria B. Valentine, P.E., Manager of Product Standards – *Basic/Intermediate*
Many guidelines detail the proper location for fire sprinkler installation with relation to common obstructions. This program will review those common obstructions including frequent problem areas, as the ceiling is shared space with other common features such as lights. In addition, different types of sprinklers will be covered with their specific rules. Also, recent research will be discussed.

September 12, 2006

Concealed Spaces

– Cecil Bilbo, Jr., Director of Technical Services – *Basic/Intermediate*

Determining if concealed spaces require sprinklers is often an area of confusion. NFPA 13 has defined many specific concealed spaces that do not require sprinkler protection. However, there are often field situations that leave the determination up to the layout technician. This seminar will cover the existing rules that require and allow omission of sprinklers and the common areas that can cause problems in the field. Also, spacing sprinklers when they are required in the concealed spaces will be discussed.

September 26, 2006

Commissioning and Acceptance of Systems

– Victoria B. Valentine, P.E., Manager of Product Standards – *Basic/Intermediate*
Every system has to go through the acceptance process to begin its service. Commissioning fire sprinkler systems involves many hydrostatic and flow tests. These will be discussed along with the owner's certificate. Common situations that arise during the acceptance process will also be included.

October 10, 2006

Draft Stops and Closely-Spaced Sprinklers

– Russell P. Fleming, P.E., Executive Vice President – *Intermediate*

NFPA 13 has long included rules for draft stops and closely-spaced sprinklers around escalator and similar floor openings, but the intended application of that criteria has been the subject of debate during the preparation of the 2007 edition of NFPA 13. Under what conditions is this special protection needed around floor openings and when is it unnecessary? This seminar will examine the history of this sprinkler configuration, including fire test programs and technical committee decisions that shaped the protection scheme and its recognition within building codes. It will also discuss the changes to the 2007 edition of NFPA 13, and will briefly discuss related protection schemes for water curtains used in theater stage applications and atrium window protection.

October 24, 2006

Confusing Aspects of Storage Protection

– Kenneth E. Isman, P.E., Assistant Vice President of Engineering – *Intermediate*

Requirements for protecting storage with fire sprinklers can be extremely confusing to the user of NFPA 13. This presentation will show how the organization of NFPA 13 can clarify the protection requirements for storage and then continue by pointing out the areas where users frequently get tripped up.

November 7, 2006

Emerging Issues for Residential Sprinkler Systems

– Kevin J. Kelly, P.E., Manager of Codes – *Intermediate*

NFPA 1 Uniform Fire Code, NFPA 101 Life Safety Code and NFPA 5000 Building Construction and Safety Code all require sprinkler protection in

new one- and two-family dwellings. Also the International Residential Code has this requirement in the appendix which can be adopted by a local jurisdiction. This seminar will cover emerging technical requirements and issues which will become increasingly important as the residential market increases. Specific topics will include: backflow, water meters, water supplies and multipurpose systems.

November 21, 2006

Protective Coatings for Piping

– Cecil Bilbo, Jr., Director of Technical Services – *Basic/Intermediate*

Pipe must be protected from harmful environments. One way to protect the pipe is to use a coating. Coatings could be as simple as painting the pipe or using a pipe that is specially listed with a coating already applied to it. In addition, various options are available with regard to galvanizing pipe. Whatever method is followed it is important to remember that the pipe must be able to endure the environment that it is installed. This seminar will review available options for coating pipe and the installation requirements that accompany it. Also, common problems that arise with protective coatings will be discussed.

December 12, 2006

Other Problem Areas/Frequently Asked Questions

– Kenneth E. Isman, P.E., Assistant Vice President of Engineering – *Intermediate*

In addition to the problems covered in the 9 previous seminars, there are a number of other areas where users of the NFPA standards frequently get tripped up. This program will begin with a discussion of the items that frequently get asked of the NFSA Engineer of the Day and then the second half of the seminar will be devoted to answering any question that comes in from someone participating in the seminar. Participants are encouraged to ask any question they want on NFPA 13, NFPA 13R, NFPA 13D or NFPA 20. Questions can be submitted during the seminar or in advance by e-mailing them to isman@nfsa.org.

COST:

NFSA Members: **\$125** Per Seminar Per Computer
Non-Members: **\$250** Per Seminar Per Computer

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NFSA Members: **\$875** Per Computer
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**Confirmation of participation
will be automatically e-mailed.**

CANCELLATION POLICY:

- Full refund upon cancellation 5 days prior to seminar date
- 50% refund upon cancellation 3 days prior to seminar date
- \$25 late fee for any registrations made after 3PM the Monday prior to seminar