



Tuesday e-Tech Alert
November 28, 2006
Number 70

Use Care with In-Rack Sprinkler Diagrams in NFPA 30B on Aerosols

NFPA 30B – *Code for the Manufacture and Storage of Aerosol Products*, is one of three standards deferred to directly by NFPA 13. It contains the protection criteria for storage of aerosols, including requirements for in-rack sprinklers.

An NFSA member recently pointed out some apparent contradictions within the figures showing in-rack sprinkler placement in double-row racks in Figure 6.3.2.7(b)(2). NFSA passed this concern along to NFPA, noting that:

1. In Figure 6.3.2.7(c)(2) the elevation view shows face sprinklers in every transverse flue, but the corresponding plan view shows face sprinklers only in every other transverse flue.
2. In Figure 6.3.2.7(b)(3) for multiple row racks, no face sprinklers are shown at all in the elevation view, whereas the plan view shows them in every other transverse flue.
3. Figure 6.3.2.7(c)(2) appears to have the same contradiction with regard to sprinklers in transverse flues as Figure 6.3.2.7(b)(2), with the additional problem that sprinklers are missing from the bottom of the plan view.

When NFSA brought this to the attention of NFPA Committee Staff Liaison Greg Harrington, we received the following response:

“1. In Fig. 6.3.2.7(b), (2) Double Row Racks, the elevation view shows face sprinklers in every transverse flue – I believe this is correct. In the plan view shown immediately above, face sprinklers are shown in every other transverse flue because this represents a **typical tier**. In this specific case, the plan view represents the first and third levels of in-rack sprinklers. So, face sprinklers are to be provided in every transverse flue, however, they are to be staggered vertically. This figure is correct as shown in the 2002 edition.

“2. Per ROP 30B-13, Fig. 6.3.2.7(b), (3) Multiple Row Racks, elevation view, will be corrected by superimposing circles over each triangle, so it looks identical to the elevation view for (2) Double Row Racks.

“3. Same as Item 1, with the plan view to be corrected as noted in ROP 30B-13.”

Users of NFPA 30B should be careful that some transverse flue sprinklers are not inadvertently omitted.

Upcoming NFSA Technical Tuesday Online Seminar - December 12th

Topic: Problem Areas/Frequently Asked Questions

Instructor: Kenneth E. Isman, P.E., NFSA Vice President of Engineering

Date: December 12, 2006

In addition to the problems covered in recent “Technical Tuesday” online 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 questions that come in from anyone participating in the seminar. Participants are encouraged to ask questions about 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.

Information and registration for this seminar is available at www.nfsa.org or by calling Dawn Fitzmaurice at 845-878-4200 ext. 133, email: dawn@nfsa.org.

AHJ Business Thursday Online Seminar Rescheduled for December 14th

Due to a scheduling conflict, the “Confusing Aspects of Storage Protection” online has been rescheduled from December 7th to December 14th, one week later.

Topic: AHJ Relationships

Instructors: Jeffrey Hugo and David Bowman, NFSA Regional Managers

Date: December 14, 2006

Project delays are often caused by plans review and inspection delays. Inspections often result in demands that cost money and delay projects even though the demand may not be based on a code requirement. Your relationship with code enforcement personnel can make the difference between a profitable project and a lingering nightmare. This presentation brings a building official and a fire marshal to the podium to explain the role of the AHJ, what to expect in plans review, inspection practices, and conflict resolution. Also discussed is the issue of code enforcement boards: when to use them and when not to use them.

Information and registration for this seminar is available at www.nfsa.org or by calling Dawn Fitzmaurice at 845-878-4200 ext. 133, email: dawn@nfsa.org.

Next NFSA Two-Week Technician Training Program – Denver Location

A number of registrants were turned away from the recent two-week technician training program in Philadelphia due to limits on class size, and we expect to close out registration for the upcoming class in Denver prior to the end of the year, so don't delay:

Dates – January 8-19, 2007

Location – South Metro Fire Rescue, 9125 E. Mineral Ave., Centennial, CO

Hotel – Drury Inn & Suites, 9445 East Dry Creek Road, Centennial, CO 80112

(Call 303-694-3400 by 12/14/06 for NFSA \$69 per night room rate)

For more information, contact Nicole Sprague at 845-878-4200 ext. 149 or email: Sprague@nfsa.org.

NFSA Announces Spring 2007 Technical Tuesdays on 2007 Standards

During the first half of 2007, NFSA will be devoting its "Technical Tuesday" online seminar series to an in-depth review of changes to the new 2007 editions of NFPA 13, 13D, 13R, 14 and 20. This is your chance to learn from the experts who represent the fire sprinkler industry on the technical committees that write the sprinkler rules. See the changes in the 2007 edition that can clarify older rules and make the installation of fire sprinkler systems more cost effective.

- | | |
|--------|---|
| Jan 16 | Changes to Definitions and System/Component Requirements
Russell P. Fleming, P.E. |
| Jan 30 | Changes to the Installation Rules
Cecil Bilbo, Jr. |
| Feb 13 | Changes to the Hanging Requirements
Victoria B. Valentine, P.E. |
| Mar 6 | Changes to Underground Piping and Water Supplies
Kevin J. Kelly, P.E. |
| Mar 20 | Changes to Design Approaches and Calculations
Cecil Bilbo, Jr. |
| Apr 3 | Changes to the Seismic Protection Rules
Victoria B. Valentine, P.E. |
| Apr 17 | Changes to Storage Protection Requirements
Russell P. Fleming, P.E. |
| May 8 | Changes to the Residential Sprinkler Standards
Kenneth E. Isman, P.E. |
| May 22 | Changes to the Standpipe Rules
Kevin J. Kelly, P.E. |
| Jun 12 | Changes to the Pump Requirements
Kenneth E. Isman, P.E. |

The level of all seminar topics is considered intermediate. Because these seminars are being offered as a complete program on NFPA 13, a 30% discount is available when signing up for all ten seminars in the series.

Information and registration for this seminar series is available at www.nfsa.org or by calling Dawn Fitzmaurice at 845-878-4200 ext. 133, email: dawn@nfsa.org.

NFSA Sets 2007 Schedule for 3-day Advanced Technician Training and NICET Inspector Certification Review Classes

The NFSA Engineering Department has set up the following classes for open registration:

May 22-24	ITM NICET Review	Anchorage, AK
-----------	------------------	---------------

June 19-21	ITM NICET Review	Wilmington, DE
July 24-26	Advanced Technician Training	Chicago, IL
August 14-16	ITM NICET Review	San Antonio, TX
September 5-7	Advanced Technician Training	St Louis, MO
November 6-8	ITM NICET Review	Providence, RI

For more information, contact Nicole Sprague at 845-878-4200 ext. 149 or email:
Sprague@nfsa.org.

NFSA Tuesday e-Tech Alert is c. 2006 National Fire Sprinkler Association, and is distributed to NFSA members on Tuesdays for which no NFSA Technical Tuesday Online Seminar is scheduled. Statements and conclusions are based on the best judgment of the NFSA Engineering staff, and are not the official position of the NFPA or its technical committees or those of other organizations except as noted. Opinions expressed herein are not intended, and should not be relied upon, to provide professional consultation or services. Please send comments to Russell P. Fleming, P.E. fleming@nfsa.org.

In the promotion of the fire sprinkler concept, the National Fire Sprinkler Association represents all fire sprinkler industry interests including fire sprinkler contractors, manufacturers and suppliers of fire sprinklers and related equipment and fire protection professionals. Established in 1905, the National Fire Sprinkler Association provides publications, nationally accredited seminars, representation in codes and standards-making, market development, labor relations and other services to its membership. Headquartered in Patterson, New York, the National Fire Sprinkler Association has regional operations offices throughout the country.