

2005 NIFSAB SCHOLARSHIP CLASSES



**Northern Illinois
Fire Sprinkler
Advisory Board**

www.firesprinklerassoc.org

These classes are brought to you free of charge, compliments of the Officers of the Northern Illinois Chapter of NFSA, through the Industry Promotion Committee.

FOR: Fire Officials and Building Officials

WHERE: Lewis University Oak Brook Campus

2122 York Road, Suite 170 • Oak Brook, IL 60523-0406

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| <p>Plan Review and Inspection</p> <p><i>Day 1</i> May 16, 2005 8:00am-5:00pm</p> <p><i>Day 2</i> May 17, 2005 8:00am-5:00pm</p> | <p><i>Instructor: John Corso, National Training Manager, NFSA</i></p> <p>This two-day seminar provides attendees with vital information on determining compliance with fire sprinkler system design and installation rules in NFPA 13.</p> <p><i>This is an intermediate to advanced class.</i></p> <p>Overview: Assists the participants with understanding the responsibility of proper design and installation of all types of fire sprinkler systems.</p> <p>Goal: To increase the knowledge of the participant with the NFPA Standards as they relate to fire sprinkler systems and their components.</p> |
| <p>Hydraulics for Fire Protection</p> <p>May 18, 2005 8:00am-5:00pm</p> | <p><i>Instructor: John Corso, National Training Manager, NFSA</i></p> <p>This one-day program is designed to concentrate on one portion only of the design phase of water based fire protection systems, the hydraulics. This seminar discusses theory and application of hydraulic calculations to prove the design of the system will meet the water supply available as described in NFPA 13.</p> <p><i>This is an intermediate level class.</i></p> <p>Overview: Provides the attendees with the knowledge of the theory of hydraulics and how it is applied when designing water based fire protection systems.</p> <p>Goal: Increase the level of knowledge of the attendee in applying and/or reviewing calculations for water based fire protection systems.</p> |
| <p>Standpipe Systems for Fire Protection</p> <p>May 19, 2005 8:00am-12:00pm (morning session)</p> | <p><i>Instructor: John Corso, National Training Manager, NFSA</i></p> <p>This one-half day program provides the participant with the requirements for design, layout, installation and acceptance testing of standpipe systems using NFPA 14 Standard for the Installation of Standpipe and Hose Systems. The program also covers the basic requirements for when the International Building Code and NFPA 5000 require standpipe systems. The program details the five types and three classes of standpipe systems.</p> |
| <p>Testing & Maintenance Backflow Testing Requirements</p> <p>May 19, 2005 1:00-5:00pm (afternoon session)</p> | <p><i>Instructor: Tom Lia and Dan Turner</i></p> <p>This one-half day program provides the participant with the basic requirements of NFPA 25, pertaining to backflow testing, 2" main drain and inspector testing and annual fire pump testing requirements.</p> <p><i>This is a basic to intermediate level class.</i></p> <p>Overview: Participants will understand the criteria required in design, installation and acceptance testing of standpipe systems.</p> <p>Goal: To increase the knowledge of the participant with the NFPA Standard and Model Building Codes as they relate to standpipe systems and their components. Basic NFPA 25 is also covered.</p> |

HOW: Please submit a letter outlining your existing fire sprinkler regulations. Also, advise what your goals are for the future and/or what you need to support your existing fire sprinkler ordinances. This letter should be copied to your Fire Chief and/or Building Department Director on department letterhead.

RETURN TO: Tom Lia
NIFSAB
62 Orland Square Drive, Suite 203
Orland Park, IL 60462

DEADLINE: Submittals are due **April 30, 2005**

NOTIFICATION: Letters will be returned by May 1, 2005

2005 ON-LINE FIRE SPRINKLER TECHNICAL SEMINARS



Register on-line at www.nfsa.org or call: (845) 878-4200

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|------------------------------|---|
| <p>March 15, 2005</p> | <p>NFPA 13 Chapter 8A – Sprinkler Installation Requirements</p> <p>The first part of Chapter 8 deals mainly with requirements for installation of sprinklers. Following a discussion of protection area limitations, rules are discussed affecting the use of sprinklers of different types. The rules include aspects of position, location and spacing, including specific obstruction criteria.</p> <p><i>Level: Intermediate</i> <i>Instructor: Kenneth E. Isman, P.E.</i></p> |
| <p>March 22, 2005</p> | <p>NFPA 13 Chapter 8B – System Installation Requirements</p> <p>The second part of Chapter 8 deals with a variety of special situations that complicate sprinkler installation requirements. Concealed spaces are particular concerns that have generated a lengthy list of exceptions. Special rules are also applicable to shafts and stairways, exterior canopies, dwelling units, library stack rooms, and stages. Special rules cover issues of piping installation such as drainage, protection against freezing and corrosion, and system connections.</p> <p><i>Level: Intermediate</i> <i>Instructor: Russell P. Fleming, P.E.</i></p> |
| <p>April 5, 2005</p> | <p>NFPA 13 Chapter 9 – Hanging, Bracing and Restraint of System Piping</p> <p>The hanging and bracing requirements of NFPA 13 are arranged so that they can be referenced for use by other NFPA standards for water-based fire extinguishing systems. Separate sets of requirements address the hangers themselves, hanger installation and protection of piping against earthquakes.</p> <p><i>Level: Intermediate</i> <i>Instructor: Victoria B. Valentine, P.E.</i></p> |
| <p>April 19, 2005</p> | <p>NFPA 13 Chapter 10 – Underground Piping</p> <p>Chapter 10 of NFPA 13 on underground piping is shared with NFPA 24 – Installation of Private Service Mains and Their Appurtenances. It contains requirements for materials, fittings, joining methods, and aspects of protecting the piping against freezing and mechanical damage, as well as testing and acceptance criteria.</p> <p><i>Level: Intermediate</i> <i>Instructor: Kevin J. Kelly, P.E.</i></p> |
| <p>May 10, 2005</p> | <p>NFPA 13 Chapters 11, 13 and 17 – Design Approaches and Special Occupancies</p> <p>Chapter 11 contains the rules for the traditional occupancy hazard fire control approach found within NFPA 13 and applicable to non-storage situations. Chapter 13 contains rules relating to sprinkler protection taken from other specialty codes and standards, and which take precedence over the normal criteria of the standard. Chapter 17 on Marine Systems similarly represents special occupancy criteria.</p> <p><i>Level: Intermediate</i> <i>Instructor: Russell P. Fleming, P.E.</i></p> |
| <p>May 24, 2005</p> | <p>NFPA 13 Chapter 12 – Storage</p> <p>A separate Chapter 12 on storage was created within the 2002 edition of NFPA 13 to consolidate requirements in this area. As such, the chapter contains the rules for all types of commodities and all storage protection concepts, including spray sprinklers, large drop sprinklers and ESFR sprinklers. The chapter also contains some special design criteria added on the basis of specific fire testing.</p> <p><i>Level: Intermediate</i> <i>Instructor: Kenneth E. Isman, P.E.</i></p> |
| <p>June 21, 2005</p> | <p>NFPA 13 Chapters 14, 15, 16 and 18 – Plans, Calculations and Commissioning</p> <p>Sprinkler system plan approvals and acceptance depend on provision of all of the required information on working plans, compliance with all rules relating to hydraulic calculations, and proper system acceptance testing. The seminar also addresses the brief requirements within NFPA 13 for water supplies and system inspection, testing and maintenance, since both subject areas are mainly dealt with in other NFPA standards.</p> <p><i>Level: Intermediate</i> <i>Instructor: Cecil Bilbo, NFSA Consultant</i></p> |

CITY SQUARE FOOTAGE LIST



Northern Illinois Fire Sprinkler Advisory Board

www.firesprinklerassoc.org

These square footages are the requirements as amended from the Building Official and Code Administration (BOCA) and the International Building Code (IBC), as adopted by the communities listed below. If your town is not listed, there are not any reductions in the fire sprinkler threshold area in your adopted code or not reported on the survey. To update your town or district, email or call NIFSAB for the survey form: sprinktoml@aol.com or toll free **866-2NIFSAB**. www.firesprinklerassoc.org

| NO. | CITY | SQUARE FEET |
|-----|---|---|
| 1 | Mount Prospect Fire Department | 0/13D8 Condo Conversion & Manufactured Home (1) |
| 2 | Wheeling Fire Department | 0/13D* Plus mfg homes (2) |
| 3 | Hickory Hills | 0/13D* Apartment to Condo (3) |
| 4 | Barrington Fire Protection District | 0/13D* (4) |
| 5 | Glen Ellyn Fire Protection District | 0/13D (5) |
| 6 | Lake Barrington | 0/13D* (6) |
| 7 | Long Grove (Municipality) | 0/13D* (7) |
| 8 | Long Grove Fire District | 0/13D* (8) |
| 9 | Park Ridge Fire Department 1999 BOCA (u/r: 3/4/04) | 0/13D* (9) |
| 10 | Greater Round Lake FPD 1996 BOCA, 2000 IBC (u/r: 2/24/04) | Round Lake Beach - 0/13D* (10) |
| 11 | La Grange Park Fire Department | 0/A, E, H, I, R1, R2; 2,000/13D (11) |
| 12 | Matteson Fire Department | 3,000/13D* (12) |
| 13 | North Maine Fire District (Des Plaines) | 0/13D (13) |
| 14 | Huntley Fire Protection District (u/r 8/2/04) | 0/13D as of 03/05 (14) |
| 15 | Indian Creek | 0/13D as of 08/04 (15) |
| 16 | Justice Fire Department | 0 Commercial/13D* (16) |
| 17 | Bridgeview Fire Department 2003 IBC; 2003 IFC (u/r: 10/14/04) | 0 |
| 18 | City of Lake Forest 2003 IBC, NFPA 1, 101 (u/r: 2/23/04) | 0 - Commercial & Multi Family |
| 19 | Elwood Fire District | 0 |
| 20 | Flossmoor Fire Department | 0 |
| 21 | Fox Lake Fire Dept. 1996 BOCA (u/r: 02/2004) | 0 |
| 22 | Glendale Heights Fire Department | 0; 1,500; R-3 > 3,000 |
| 23 | Highland Park Fire Department IBC 2000 (u/r: 3.16.04) | 0 Basement TGIs |
| 24 | Homer Fire District (Unincorporated Homer Glen) | 0 |
| 25 | Lake Zurich Fire Protection District | 0 |
| 26 | Lemont FPD 2000 IFC & NFPA 101 (u/r: 4/27/04) | A-1 & E = 0; A-2 = 1,000; A-4, B, F-1, & S-1 = 5,000; F-2 = 7,000 |
| 27 | Mundelein FD 2000 ICC Fire & Bldg. Code w/ Admend. (u/r: 2.23.04) | 0 Commercial |
| 28 | St. Charles Fire Department (u/r 8-9-04) | 0 Commercial |
| 29 | Sauk Village Fire Department | 0 |
| 30 | Village of Carol Stream | 0-A's; 0-E; 0-H; 0-M, S & F; 0-R |
| 31 | Village of Northfield | 0; BOCA - 1996 Fire Prev.; 1999 Bldg. |
| 32 | Village of Palatine 2000 IBC, IFC, LSC (u/r: 2/22/04) | 0 |
| 33 | Win Bur Sew FPD (Near Rockford) | 0 |
| 34 | Winfield Fire Department | 0 |
| 35 | Winnetka Fire Department | 0 |
| 36 | Zion Fire Rescue Department | 0 |
| 37 | Berwyn | 0 Commercial |
| 38 | West Chicago 2003 IBC | 0 |
| 39 | Hoffman Estates Fire Department 1999 BOCA (u/r: 2/23/04) | 1,000 for all use groups/13D (17) |
| 40 | Streamwood Fire Department | 1,000 Commercial/13D* (18) |
| 41 | Oak Brook Fire Department | 1000/High-Rise Retro |
| 42 | Countryside Fire Protection District (Vernon Hills/Long Grove) | 1,000 - basement TGI/Drywall or sprinkler/13D (19) |
| 43 | Hawthorne Woods | 1,000 - plus town-homes; A, B, F, M & S |
| 44 | Libertyville Fire Department | 1,000-new, existing-additions, remodel 25%+ |
| 45 | Lombard Fire Department | 1,000 |

| NO. | CITY | SQUARE FEET |
|-----|--|--|
| 46 | Morton Grove Fire Department 1993 BOCA Fire, 1999 BOCA Building (u/r: 2/25/04) | 1,000 |
| 47 | Schaumburg Fire Department | 1,000 & High-Rise Retrofit |
| 48 | Stone Park Fire Department | 1,000 |
| 49 | Westchester Fire Department | 1,000 |
| 50 | Rosemont Fire Department | 1500; 2003 IBC/Apt. to Condo Retro. |
| 51 | Algonquin Fire Department | 1,500 Type IV, V; 3,000 Type II, III; 6,000 Type I; 0 ~ A, E, H |
| 52 | Bloomington Fire Department | 1,500/2,000 |
| 53 | Carol Stream FPD | 1,500 |
| 54 | Glenside FPD 2000 Intl. Bldg. & Fire Code (u/r: 2/24/04) | 1,500 |
| 55 | Island Lake | 1,500 |
| 56 | Warrenville Fire Department | 1,500 |
| 57 | Wauconda Fire District 1999 BOCA (u/r: 2/23/04) | District - 0; Wauconda - 1,500; Hawthorn Woods - 1,000; N. Barrington - 1,000; Lake Barrington (Residential & Commercial) - 0 |
| 58 | Elmhurst Fire Department | 1,000; 2,500 |
| 59 | Clarendon Hills Fire Department | 2,000/13D* (20) |
| 60 | Bedford Park Fire Department | 2,000 |
| 61 | Darien-Woodridge Fire Prot. Dist. | 2,000 |
| 62 | Little Rock Fox FPD | 2,000 Commercial; IBC, IFC & NFPA 101 |
| 63 | Pleasantview Fire Protection District | 2,000 |
| 64 | Addison Fire District IBC 2000 (u/r: 02/2004) | (A-1, I, R-1, R-4) 0; (A-2, A-3, A-4, B, E, F, M, R-2, S and Mixed Use Groups) 2,500; (R) NFPA 13R |
| 65 | Hinsdale Fire Dept. 2000 Intl. Bldg. (u/r: 2/25/04) | 2,500; 5,000 |
| 66 | Crestwood Fire Department | 2,500 |
| 67 | Batavia Fire Department | 2,500; 7,500 |
| 68 | Naperville Fire Department IBC 2000 - w/amendments (u/r: 2/22/04) | (A-1, A-3, A-4, B, F-1, F-2, M, S-1 and S-2) 7,500/5,000 T-5; (A-2) 2,500; (A-5) Per Bldg. Cde; (E and U) 5,000/2,500 T-5; (H, I, R-1, and R-2) Required; (R-3) Required unless firewall every 2 units; (R-4) Required > 8 residents |
| 69 | Western Springs Fire Department | 2,500 |
| 70 | Berkeley Fire Department 1996 BOCA, FPC and Bldg Code (u/r: 3/4/04) | A, E, H, P, R, S - 0/13D* M, B, I - 3,000 (21) |
| 71 | Carpentersville 1996 BOCA, 2000 NFPA LFC & Reference NFPA Codes - (u/r: 3/21/04) | 3,000 Commercial; 0 Assembly |
| 72 | Tinley Park Fire Department | 3000 (and change of ownership) |
| 73 | Villa Park Fire Dept. 1999 BOCA (u/r: 2/24/04) | 3,000 |
| 74 | Chicago Ridge Fire Department | 3500; Apt. to Condo Conversion |
| 75 | Oak Lawn Fire Department | 3500, 5,000 Multi-Family |
| 76 | Oak Park Fire Department (u/r: 7/7/04) | A-5=1,000; A-2=3,000; A-1, A-3, A-4=7,500; F=9,000; B, E, M, S=12,000 |
| 77 | West Dundee Fire Dept. 2000 Intl. Codes (u/r: 2/4/04) | 4,000/13D* - all 1-2 family new construction (22) |
| 78 | Rolling Meadows Fire Department | 4,000 - multi family retro |
| 79 | Skokie Fire Department 2003 IBC (u/r: 10/14/04) | 5,000/13D* Apartment to condo conversions (23) |
| 80 | Glenview Fire Department | 5,000; A-2,500; (13D condos/townhomes) |
| 81 | Arlington Heights Fire Dept. 1996 BOCA (u/r: 3/4/04) | 5,000 - A use (Apt to Condo Retro) |

*Single Family Homes 13D

u/r: = Update Received

CITY SQUARE FOOTAGE LIST *(continued)*



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| NO. | CITY | SQUARE FEET |
|-----|--|--|
| 82 | Bartlett - 2000 IBC | 5,000 4 hr. wall or Sprinklers & 2hr. wall |
| 83 | Belvidere Fire Department | 5,000 |
| 84 | Bensenville Fire Department | 5,000 |
| | Deerfield-Bannockburn Fire District | 5,000 |
| 85 | Elk Grove Fire Department | 5,000 |
| 86 | Elmwood Park Fire Dept. 2003 International (u/r: 3/4/04) | 5,000 |
| 88 | Gardner Volunteer Fire Department (u/r: 5/23/04) | 5,000 |
| 89 | Homewood Fire Department | 5,000 |
| 90 | Itasca Fire Protection District | 5,000 |
| 91 | Mokena Fire District | 5,000 |
| 92 | North Aurora FPD 2000 IBC (u/r: 2/2/04) | 5,000 |
| 93 | Northbrook Fire Department | 5,000 |
| 94 | Norwood Park Fire Department 1996 BOCA (u/r: 2/25/04) | 5,000 |
| 95 | Oakbrook Terrace Fire Department | 5,000 |
| 96 | Richton Park Fire Department | 5,000 |
| 97 | River Forest Fire Department | 5,000 |
| 98 | Riverdale Fire Department | 5,000 |
| 99 | Romeoville Fire Dept. 2003 IBC and Fire (u/r: 2/20/04) | 5,000 |
| 100 | Sugar Grove Fire Department | 5,000 |
| 101 | Waukegan Fire Dept. 1996 BOCA w/ Admend. (u/r: 2/24/04) | 5,000 |
| 102 | Westmont Fire Department 1996 BOCA (u/r: 2/24/04) | 5,000 (13D/R Duplex and Townhome) |
| 103 | DuPage County IBC/IFC 2003 (u/r: 10/28/04) | 5,000 Type I-IV; 2,000 Type V |
| 104 | Bolingbrook Fire Department | 7,000 |
| 105 | Oak Forest | 7,000 |
| 106 | Broadview Fire Department | 7,000 |
| 107 | Elgin Fire Department | 7,000 |
| 108 | Lisle-Woodridge FPD | 7,000 |
| 109 | Melrose Park Fire Department | 7,000 |
| 110 | Northwest Homer Fire Protection Dist. | Business/Merchantile/ Factory sq. ft./Assembly 3,000 sq. ft.; Multi-Family - 2 story 10,000 sq. ft. |
| 111 | East Dundee Fire District | 7,500; BOCA 1999 |
| 112 | Hampshire Fire Department | 7,500 |
| 113 | Niles Fire Dept. 1999 BOCA Bldg. Code (u/r: 2/24/04) | 7,500 |
| 114 | Woodstock Fire Department | 7,500 - Int. Fire Code 2000 |
| 115 | Orland Fire Protection District (Includes Orland Park and Orland Hills) | 8,000 (74 seats for restaurants) |
| 116 | University Park Fire Department | 8,000 |
| 117 | Des Plaines Fire Department | 10,000 |
| 118 | New Lenox Fire Protection District | 0; 5,000; 10,000 |
| 119 | Roselle Fire Dept. 1996 BOCA, Life Safety Code 101-1985 (u/r: 2/23/04) | 10,000 - Commercial & Industrial |
| 120 | Round Lake FPD 1996 BOCA, 2000 IBC (u/r: 2/24/04) | Round Lake - 10,000 |
| 121 | Downers Grove (6,000 - 15,000 sqft) | 1996 BOCA National Building Codes |

| NO. | CITY | SQUARE FEET |
|---|--|--|
| NO CODE UPGRADES LISTED FOR SPRINKLERS | | |
| 122 | Evanston Fire Department | 1996 BOCA, 1994 NFPA Life Safety Code 101; Require hospitals, nursing homes, dormitories, fraternities, sororities and non-owner-occupied rooming houses to install sprinkler systems within four years. |
| 123 | Bourbonnais Fire Protection District | 2003 Intl. Code; 2003 BOCA |
| 124 | Morris Fire Protection & Ambulance Dist. | 2003 IBC; NFPA 101 2000 |
| 125 | Rochelle | 2003 IBC; 2003 IFC |
| 126 | Countryside, IL (adpoted 2003) | BOCA/IBC |
| 127 | Yorkville | 2000 Intl Code (Townhomes) |
| 128 | Calumet City | All buildings must be noncombustible or sprinklered unless it already meets the threshold for sprinklers. |
| 129 | Evergreen Park Fire Department | 2000 BOCA |
| 130 | Fairview Fire Department | 2000 International Building & Fire code |
| 131 | Rockford Fire Department | 2000 International Building & Fire code |
| 132 | Willmette Fire Department | 2000 International Fire, '93 Building Codes & NFPA 101 Life Safety Code/2000 |
| 133 | Aurora | 2000 IFC |
| 134 | Decatur Fire Department | 1999 BOCA Natl. Building Code |
| 135 | Moline Fire Department | 1999 Uniform Building Code |
| 136 | North Palos Fire Protection District | 1999 BOCA & Life Safety 1997 |
| 137 | Palos Fire District | 1999 BOCA Natl. Building Code |
| 138 | Rock Falls Fire Department | 1999 BOCA Bldg. & Fire |
| 139 | Village of Frankfort | 1999 BOCA Intl. Building Code |
| 140 | Cicero Fire Department | 1996 BOCA Natl. Building Codes |
| 141 | Prospect Heights Fire Department | 1996 BOCA Natl. Building Codes |
| 142 | Brookfield Fire Department | 1996 BOCA Natl. Building Codes |
| 143 | Buffalo Grove Fire Department | 1996 BOCA Natl. Building Codes |
| 144 | Dekalb Fire Department | 1996 BOCA Natl. Building Codes |
| 145 | Franklin Park Fire Department | 1996 BOCA Natl. Building Codes |
| 146 | Freeport Fire Department | 1996 BOCA Natl. Building Codes |
| 147 | Glencoe Public Safety | 1996 BOCA Natl. Building Codes |
| 148 | Gurnee Fire Department | 1996 BOCA Natl. Building Codes |
| 149 | Hainesville Fire Department | 1996 BOCA Natl. Building Codes |
| 150 | La Grange Fire Department | 1996 BOCA Natl. Building Codes |
| 151 | McHenry Fire Department | 1996 BOCA Natl. Building Codes |
| 152 | Richmond Township Fire Protection Dist. | 1996 BOCA Natl. Building Codes |
| 153 | Round Lake Heights | 1996 BOCA Natl. Building Codes |
| 154 | Round Lake Park | 1996 BOCA Natl. Building Codes |
| 155 | Village of Lindenhurst | 1996 BOCA Natl. Building Codes |
| 156 | Chicago Heights Fire Department | 1993 BOCA & 1992 NFPA |
| 157 | Lincolnwood Fire Department | 1990 BOCA & NFC's Most Current |
| 158 | Homer Glen | Will County Code |
| 159 | Elk Grove Township Fire Department | Cook County Code |

**38 political entities
with zero square feet;
23 towns with 13D!**