



June 2010



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Remember if you have code or technical questions, the Expert of the Day is there for NFSA members.

eod@nfsa.org

Help us help you, pass this on in-house

***"So many fail because they don't get started -- they don't go. They don't overcome inertia. They don't begin."
- W. Clement Stone***

NFPA President Urges Governors, Lawmakers to Veto Anti-Sprinkler Bills

In recent letters to the governors of Florida and Georgia, and to members of the New Hampshire Senate, National Fire Protection Association (NFPA) President Jim Shannon is calling for the rejection of bills that would prohibit the inclusion of home fire sprinkler requirements.

"In 2006, three major NFPA codes were revised to include the requirement for home fire sprinklers in new construction of one- and two-family dwellings," he wrote. "In 2008, the International Code Council voted to add a similar provision to the 2009 edition of International Residential Code. This occurred through a well-established process involving both public and private entities and cannot be influenced by any single special interest group. These codes identify the minimum standards of safety to protect people in their homes."

Mr. Shannon wrote that these anti-sprinkler bills ignore the success of a proven safety technology. "Any proposal that removes this requirement from the code reduces the established minimum standards of safety in one- and two-family homes and equates to substandard housing," he said.

Encourage your elected officials to reject anti-sprinkler legislation, and reach out to safety advocates in your state to make them aware of this threat. Visit our www.nfpa.org for more information and resources.

Saying that fire service leaders are in a unique position to advocate for home fire sprinklers, the president of the International Fire Chiefs Association (IAFC) is urging IAFC members to support the Fire Sprinkler Initiative's efforts to require sprinklers in all new one- and two-family homes. "Nationwide, once every three hours someone is fatally injured in a home fire," says Chief Jeffrey Johnson of the Tualatin Valley (OR) Fire & Rescue. He adds that sprinklers also help protect firefighters. "Sixty-two percent of fireground firefighter deaths occur in residences and the vast majority of the residential firefighter deaths happen in one- and two-family homes," he says.

Firefighters around the country are working to educate lawmakers, homebuilders, and consumers about the life-saving potential of home fire sprinklers. This week, dozens of South Carolina firefighters attended a state senate hearing to oppose a bill that would remove sprinkler requirements from the state building code. And as

California moves toward implementing sprinkler requirements for new construction next January, the Roseville (CA) Fire Department has devoted a section of its Web site to educating homebuilders about sprinklers.

The Phoenix Society , a nonprofit organization that empowers people affected by burn injuries, held an advocacy training at the American Burn Association meeting in March. Survivors, burn care professionals, and firefighters attended the session, sponsored by Tyco International, which was led by burn survivor and media expert Brad Phillips. Participants learned about attracting media attention, being a good spokesperson, and how advocating for home fire sprinklers can save lives, prevent injuries, and protect property.

Nonprofit Home Fire Sprinkler Coalition Receives Grant

A new federal grant awarded to the nonprofit Home Fire Sprinkler Coalition (HFSC) will help the educational organization work with the fire service to increase awareness of home fire sprinkler facts at the local level. The grant also supports HFSC outreach and interaction with the homebuilding industry in order to underscore the life-saving benefits of building new houses with installed fire sprinkler protection.

The funding was awarded through a 2009 Fire Prevention and Safety Grant from the Grant Programs Directorate of the Federal Emergency Management Agency (FEMA).

“HFSC is eager to put this generous grant to work, continuing our comprehensive support of grassroots fire sprinkler education,” says HFSC Chair Gary Keith. “This new funding will allow us to encourage, inform and equip more local fire department educators so they can help their communities learn about home fire sprinkler systems.”

As a centerpiece of the grant-funded program, HFSC will undertake a national effort to advance the use of side-by-side fire sprinkler and flashover demonstrations as part of local fire department outreach. HFSC will host demonstrations and educational events in partnership with 12 fire departments and provide stipends to 100 additional departments that can implement the events on their own.

HFSC featured these dramatic live fire burns in its grant program because they are proven to be highly effective at attracting local crowds. Their “up close and personal” experience gives civilians a genuine appreciation for the speed and danger of a home fire and an understanding of how a home fire sprinkler system’s fast response controls heat and smoke, saving lives and preventing injuries.

This program will help HFSC inform more fire departments about its free Built for Life Fire Department Program (BFLFD), which has more than 1,500 members to date. U.S. fire departments that agree to make home fire sprinkler education a focus of their public safety outreach, or increase existing efforts, will receive recognition and priority access to HFSC’s new educational tools and materials. Last year, HFSC introduced its comprehensive Fire and Sprinkler Burn Demonstration Kit to BFLFDs. The free Kit guides departments through every step of a live educational burn, with print and video instruction. It is available on HFSC’s Web site.

“We can’t overstate the importance of the local fire service role in home fire sprinkler education,” Keith adds. “Fire departments are the very core of local fire safety, and their public educators are the first point of contact for everyone from consumers to homebuilders to local officials and the media. HFSC works hard to put our noncommercial, turnkey educational materials in their hands.”

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Details about the national program to support local implementation of side-by-side burns will be announced through HFSC's fire service blog "Focus". Visit HomeFireSprinkler.org to learn more and to sign up for the Built for Life Fire Department Program.

HFSC was formed in 1996 to inform the public about the life-saving value of sprinkler protection in one- and two-family homes. HFSC is a purely educational 501(c)(3) charitable organization and the leading resource for independent, noncommercial information about residential fire sprinklers. For more information about HFSC and residential fire sprinkler systems, log on to www.homefiresprinkler.org.

Fire Sprinklers Can Reduce Greenhouse Gases from Building Fires By 98% Study From FM Global and Home Fire Sprinkler Coalition Finds

New groundbreaking research released from commercial property insurer FM Global and the nonprofit Home Fire Sprinkler Coalition finds fire sprinklers help protect the environment, in addition to preventing property loss and saving lives.

Greenhouse gases released by burning buildings can be reduced by 98 percent when automatic fire sprinklers are installed, according to a groundbreaking joint research project released today from FM Global, one of the world's largest commercial property insurers, and the nonprofit Home Fire Sprinkler Coalition (HFSC). The research findings also reveal that a single fire in an unsprinklered building can negate the typical environmental benefits of "green" construction.

Scientists at the FM Global Research Campus in Rhode Island, USA complete large scale fire tests that have proven automatic fire sprinklers reduce the amount of air and water pollution released into the environment from building fires and reduce the amount of water usage needed to fight a fire. The first-of-its-kind research was conducted as a partnership between commercial property insurer FM Global and the Home Fire Sprinkler Coalition.

The study, conducted at FM Global's Research Campus in West Glocester, R.I., USA, sought to identify, analyze and evaluate the environmental impact of fires, as well as determine the effectiveness of preventive measures in minimizing their effect on the environment--issues of increasing global significance. The 1,600 acre, US\$125 million Research Campus is one of the largest and most innovative fire and natural hazards research and testing centers in the world.

Researchers constructed two identical living rooms to represent a setting any homeowner or business owner could relate to. One of the two rooms was protected with a sprinkler and a fire was ignited in each room. As a result, scientists additionally have discovered that automatic fire sprinklers:

Reduce fire damage by up to 97 percent;

Reduce water usage to fight a home fire by upwards of 90 percent;

Reduce the amount of water pollution released into the environment.

"For most of its 175 years in business, FM Global has conducted scientific fire research to develop solutions that help commercial organizations protect their property and operations," said Dr. Louis Gritzko, vice president and manager of research at FM Global. "Fire sprinklers perform the same way, no matter the kind of building, and now we see conclusively that they not only prevent the devastating impact of fires but also

negate significant environmental risks. This is especially important as more businesses seek to design and build energy-efficient, environmentally sustainable facilities."

According to Gary Keith, HFSC chair, when sprinklers activate, they control the heat, flames and smoke released by a fire, effectively mitigating the products of combustion. "The fire safety community's efforts to increase awareness of all aspects of fire sprinkler technology will benefit from this new environmental data. Consumers, builders, the fire service, code officials and water purveyors now have a new and important way to view sprinkler protection," Keith said.

The complete scientific research findings are available in a downloadable technical report "The Environmental Impact of Automatic Fire Sprinklers" at www.fmglobal.com/researchreports.

Building Safety month Campaign

I invite you to share your commitment to building safety by signing the on-line petition supporting Building Safety Month. It takes less than 2 minutes to add your name to the people saying they believe in public safety and the health and welfare of our communities. There's no registration, your e-mail address isn't captured for marketing, and no personal information, other than your name, is collected.

Here's the link: <http://www.buildingsafetymonth.org/supporters.cfm>

Sprinkler Saves

Two Activations Save Madison Occupancies

Submitted by Madison Fire Marshal Ed Ruckreigel

At 12:48:53 on 04/19/10 firefighters were dispatched for cooking fire, confined to container. Firefighters arrived to find a sprinkler gong going off and water flowing. Building maintenance was first on scene and turned off sprinkler water, observing apartment filled with smoke, He opened up a window prior to the arrival of firefighters. Crews found a 1-gallon pot with cooking oil in the sink and a plastic part in trash can that had burnt and was put out by the sprinkler.

Maintenance stated he arrived first and put plastic from the stove into the trash can. During an interview with the tenant of the apartment, he stated that he was going to cook some fries in the oil, went into the bedroom and left pot un-attended at the electric stove on the front burner. Burner was on high heat.

When he came out he saw flames shooting up and panicked. He turned off the stove and put pot in the sink and ran water which exploded the pan and set off the fire alarm and sprinkler head. Alarm was called in by automatic alarm system after sprinkler was activated, He then evacuated his 4 person apartment with his girlfriend. No other roommates were home.

Sprinkler system was shut off and isolated to that floor Crews observed no fire, only smoke, water and heat damage to the kitchen/living room of the apartment.

Crew ventilated smoke from the first floor hallway and apartment. Property loss included soot on walls, and a melted ceiling light in the kitchen.

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Ed adds this to the second sprinkler activation:

Dan, Fire sprinklers save lives! Another save. Ed

At 16:51:19 on 04/03/10 firefighters were dispatched for building fire, report of smoke showing. Upon Engine 5's arrival, nothing showing. Crew investigated 2nd floor apartment where two sprinklers in kitchen and hallway area were flowing water. There was little smoke in the apartment. A sliding glass door had been opened in front, Firefighters noted an area on the counter below cabinets that was charred, along with the cabinets. On the counter was a toaster that had melted the plastic case off its housing. A paper towel roll had been ignited and a blender had also melted. The sprinkler had contained and extinguished the fire. The cord on the toaster was missing its plastic sheathing and it was found unplugged. The outlet on that counter showed signs of being scorched. The renter of this condo stated he had not used the toaster this afternoon, and that he had been in the kitchen and got some milk for his sons. He left the apartment for approximately 5 minutes. When he returned, it was fully charged with smoke and he could see his toaster on fire in the kitchen.

Crews shut down the sprinkler system and shut off power to the building A firefighter received a minor cut to his right hand. He was sent to ER for evaluation.

Oak Creek Reports Sprinkler Save

Oak Creek Fire & Rescue Assistant Chief Tom Rosandich gave this report about a save in a 24-unit apartment building on May:

We had another fire on Sunday that was controlled by one sprinkler head in Oak at 8920 S Wood Creek Drive. This was a cooking fire in a three story apartment. The fire was on the third floor of a three story apartment. The apartment is fully sprinklered. Damage was very slight(cooking pan and a scorched vent hood on the stove. Water damage was in the main damage to the unit, hallway, and apartment below(small). There fished lived which was located about five feet from the origin.

Fire Sprinklers Save Lives in Common Theme This Month

By Chris Dell, Staff Writer Enid News and Eagle

Fire sprinklers likely saved the life of a 57-year-old Enid man after a blaze ignited in his kitchen at Roosevelt Park Apartments Sunday evening.

Steven Apel had placed a pan of oil on his stove and turned his back to cut vegetables for dinner, but he returned to find flames leaping out of the pan. Apel brought the pan to the sink — but did not turn on the water — while he went to find a fan to blow the smoke away from the smoke detector. But by the time he came back with the fan, the fire was raging beyond control, with flames stretching to the ceiling and smoke billowing from the kitchen.

“I couldn’t hardly see three feet in front of me,” Apel said. “One minute everything’s fine, and the next minute smoke and flames are everywhere. It all happened so quick.” Apel struggled out of the kitchen, feeling down the wall to his bedroom, where he slipped out of consciousness on his bed from smoke inhalation.

But right about that time, fire sprinklers in the apartment activated and knocked down the flames. By the time emergency responders arrived at Apel's unit of the complex at 831 E. Oklahoma, "there was only smoke and steam and water," according to Fire Marshal Ken Helms.

Helms said it was the first time he can remember a fire sprinkler single-handedly extinguishing a fire in an Enid residential complex.

Apel was treated at a local hospital and released, suffering only minor burns on his arms. Helms said if it hadn't been for the sprinklers, Apel may have died from carbon monoxide inhalation or been consumed by the fire. Apel said he is fortunate to still be alive.

Roosevelt Park was the first multi-family residential complex built in Enid after the city passed new fire codes, which were adopted from the International Building Code of 2006. These required fire sprinklers to be placed in every unit of multi-family apartments. Roosevelt Park, which was completed in May 2009, is the only apartment complex in Enid that is up to the new code.

Helms said the new fire codes don't require existing apartments to be retrofitted with new sprinklers, because such a project would be costly. But all multi-family residences constructed in the future will have to meet the new requirements. "Because this individual occupant became somewhat incapacitated after the fire started ... he couldn't do anything by himself," said Helms. "Fortunately, the fire sprinklers kept the fire down until we could arrive."

Remarkably, Apel's unit suffered little damage compared to what would have happened if the fire had continued untamed. There are smoke stains on the wall above the sink and some scorch marks on the cabinets, as well as water damage to the carpets. However, the unit did not suffer any structural damage, according to Helms. Apel has renter's insurance, which has provided him with money to stay at local motels while his unit is being cleaned up. He said he hopes to move in again by the end of the week.

Sprinkler Saves – We need this info to help promote the industry

Contact me **A.S.A.P.** at **(262) 245-5255** or e-mail: dannfsa@aol.com if you have information regarding a Major Fire or Sprinkler Save. A major fire is defined as "one where there is extensive property loss, multiple death or injury to citizens or firefighters, or any other significant circumstances regarding fire sprinkler protection or lack thereof." Sprinkler Saves will help inform others that the systems do work and will provide life and property saving values.

MINNESOTA: www.nfsamn.org

YME School Board Wants Sprinkler Protection

GRANITE FALLS, MN — Yellow Medicine East school board members are hopeful of adding sprinkler systems to both the Bert Raney Elementary and YME High School buildings as part of a comprehensive health and safety project under way in the district. Superintendent Al Stoeckman said board members at the meeting Monday indicated they would like to see the sprinkler work, estimated to cost \$680,000, made part of the project.

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The inclusion of the fire safety and technology improvements are made possible by savings realized as a result of competitive bidding on work awarded to date, as well as the recent notification that the federal government was awarding up to \$10.7 million Qualified Zone Academy Bonds to help finance \$14 million in health and safety improvements to the YME school buildings. The availability of no- and low-interest funding through Qualified Zone Academy Bonds will reduce the overall financing cost to the district by an estimated \$8 million, according to an estimate provided the district.

School board members intend to act at their next meeting to order specifications for sprinkler systems, according to Stoeckman. However, he said board members are concerned about the possible impact of litigation resulting from a civil lawsuit filed against the district. Residents Scott Wintz and Patrick McCoy filed the lawsuit challenging the health and safety project.

They are asking the court to issue a temporary injunction until their complaint can be heard. Their complaint alleges that the board acted illegally by authorizing the health and safety work through the state of Minnesota's alternative facilities program. That program allows the district to issue taxpayer-backed bonds without a referendum.

The superintendent said board members fear an injunction would be very costly to the district. It has until Aug. 31 to take advantage of the Qualified Zone Academy Bonds financing help. They also believe that any delays in the project schedule would prevent the district from taking advantage of the current competitive construction market.

[comment](#)

Chris P. Willmar, MN 04/28/2010 12:38 PM

"To date, the YME district has awarded \$3,828,511 in work in the high school building and \$2,307,097 in the elementary building" No wonder our schools are going broke...how does a school get built without a sprinkler system in the first place!?? Wireless Internet so the kids can get online with their cell phones, PSPs, I-pads etc etc isn't that more of a distraction than a help?

Third Annual MN Fire Sprinkler Forum



With the new residential sprinkler demonstration exhibit behind them, the team of construction members (L-R) Jeff Schadegg, Fire Marshal, Inver Grove Heights Fire Dept., Sean Flaherty, Viking, Peg Bohn, NFSA-MN Chapter and Roy Kinsley, Apple Valley Fire Department

Annual BurnAid Scheduled for TPC-Twin Cities for 14th Annual Event

The 14th Annual Burn Aid Golf Classic has been scheduled for September 13, 2010 at the TPC Twin Cities Golf Club, the site of a PGA Senior Tour event. It was designed by Arnold Palmer and promises to be a challenge to the best golfers and fun for the rest. The steering committee is working hard to make the day memorable, challenging and fun. A slow economy threatens to challenge the events sponsorship & participation this year. Not unlike other events, the outing needs the continued support of all to help ensure the great good continues.

The annual fundraiser gives participants fantastic golf and good times but also left all knowing they helped a great cause, the Regions Hospital Burn Unit in St. Paul. Monies from the outing will benefit many children and families for those who for unwanted seconds suffer the pain of burns. The event has raised more than \$625,000 in its first thirteen years.



Gil Brzezinski
(Operations/Sales)
holds a Twenty year NFSA
membership plaques at the
St. Francis, WI office of
Supplier & Manufacturer
Starfire , Inc.

WISCONSIN: www.nfsawi.org

BCGI – A Great Event Doing Even Greater Things

Early Bird Notices have been sent out announcing the 22nd *Annual Burn Center Golf Invitational*. Expect invites in early June. Scheduled for August 30th, the invitational will be played on the beautiful and challenging Brute and Highland Courses of the Grand Geneva Resort & Spa in Lake Geneva, WI. The Midwest Sprinkler Industries sponsor the outing while the Wisconsin Alliance for Fire Safety (WAFS) is the presenter. The evening offers a gracious European style dinner with live and silent auctions to highlight the festivities. The twenty-one-year total for the event has surpassed \$1,804,000. A check for nearly \$50,000 was presented to the Columbia St. Mary's (CSM) Foundation dedicated for the burn unit in the new hospital that will be dedicated in September. Additional profits from the outing support WAFS Camp for Burn Injured Youths, the nationally recognized Newspapers in Education Fire Safety Program and the 2012 World Burn Congress We're looking golfers, dinner attendees and for

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sponsors. For information contact me at: (914) 414-3336 or Co-Chair Kay Luedke, Freedom Fire Protection (262) 253-9300.

ARC Holds Introductory Session

The Alliance for Regulatory Control held its initial session May 17, 2010 in Madison. Members of the sprinkler industry were in attendance in anticipation of joining the organization. The following is a recap of the morning meeting.

Bob DuPont, of Regulatory Guidance and Design, LLC opened the session. Attendees introduced themselves and provided a brief description of the organization they were primarily representing.

Mr. DuPont presented an overview of the Alliance idea and his interest in improving regulatory coordination. Issues needing attention were identified and prioritized at each of the six tables. The “Table Team” priorities were further prioritized by the entire assembly. The top four issues of concern were:

1. Stop the lapsing of funds, from the Safety and Buildings Division, to other state agencies.
2. Improve enforcement of codes, inspections, licensing and registrations.
3. Repeal, repair, or correct State Statute Chapter 101. (Tied for second place.)
4. Improve consistency and coordination with other agencies that deal with building regulations.

Other issues of particular interest were:

1. Having regulators focus on regulating – doing what agencies can uniquely do.
2. Too much regulatory emphasis being placed on the “front end” of licensing and not enough regulatory emphasis on the “back end” where enforcement activities seem light.

DuPont reviewed the ARC commitments and a list of law change ideas, asking for comments. Comments were:

1. More weight should be given to the input from Advisory Code Councils of the Division.
2. Policies regarding energy efficiency and water conservation should be developed with more input from technical experts utilizing the advisory code councils more fully.
3. The industry should be given a regulatory calendar for significant policy and procedural changes.
4. Code changes should be made on a regular basis.
5. Should a legislative audit be requested relative to the Safety and Buildings Division?
6. Should the Alliance be a venue for discussing a uniform Commercial Building Code?

DuPont reviewed the Operational Protocols for the Alliance, asking for comments. Comments were:

1. Perhaps the Council of Advisors should have fewer categories and more seats per category.
2. One year terms were preferred over two year terms, with no additional term limits.

DuPont reviewed the Timetable of Alliance activities for 2010, and mentioned that certificates of commendation for approximately 2500 municipal departments are planned for issuance in September, 2011. DuPont also reviewed the list of services from Regulatory Guidance and Design, LLC as listed in the ARC Enrollment Packet.

[NFSA Online Interactive Seminars Schedule - ***Get Wisconsin CEU's](#)

The 2010 On-line Technical Seminars have been scheduled for the remainder of the year. All seminars are conducted by NFSA staff or consultants on Tuesdays and will start promptly at 10:30 A.M. Eastern Time and run approximately 1.5-hours. Seminar topics are designed to different levels of understanding, Basic (B), Intermediate (I) and Advanced (A) levels. There are several seminars that cross two levels.

Order all 10 seminars from July through Dec 2010 now and receive 30% off regular price

June 22, 2010 - Soffits, Eaves and Overhangs Intermediate

Russell P. Fleming, P.E., Executive Vice President

Rules for sprinkler protection of soffits, eaves and overhangs address the need for protection within these construction features as well as the need for protection below. The rules for NFPA 13 are different from those for NFPA 13R and 13D. The NFPA 13 rules, frequently misinterpreted, have been modified further in recent editions of the sprinkler standards

The topics for the **2010 "BUSINESS THURSDAY"** Seminars have been specifically selected to help the fire sprinkler contractor deal with current problem areas in the business environment. The instructors bring varied backgrounds relevant to the subjects they will be teaching. **Watch for schedule next month!**

From the desktop of an office or the comforts of a home, one can watch the 1½-hour live-interactive seminar and receive credit. When registering for the seminar, the registrant needs to inform the NFSA that they are in need to receive Wisconsin CEU's. Those needing CEU's for their 2010 license need to have their 12-hours of CEU's completed and submitted prior to March 30, 2010. We can help! **NFSA is offering to all AHJ's the member rate for these live on-line seminars. Order all 10 and save 30%. For more information on this offer and information on these seminars please contact Mike at mrepko@nfsa.org or 845-878-4207.**

June 17, 2010 - Gathering Stakeholders and Building Bridges- Planning for the IRC adoption Bruce Lecair - West Regional Manager

Tips on the importance of starting the IRC adoption process early, reaching out to potential opponents, building a strategic plan, setting common goals and objectives, identifying key stakeholders, identifying and resolving stakeholder issues, the importance of educating and listening, utilizing the STEEP (social, technological, economic, ecological and political) model for developing the final recommendations report, and getting the final product out to the stakeholders.

You can attend a NFSA Seminar without traveling to a classroom. For more information and to view a demonstration, visit our Website at www.nfsa.org, or call Mike at (845) 878-4207. Check these on-line programs:

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NFSA North/South Central Regional In-Class Seminars Your regional manager is looking to schedule 2010 programming in a facility near you. Please contact at dannfsa@aol.com or call (262) 245-5255. Check the NFSA web site to register and to link to our other regions for seminars that may fit your educational needs.

The West Allis Fire Department is co-sponsoring 1-Day Sprinkler Protection for General Storage (June 2), 1-Day Sprinkler Protection for Rack Storage (June 3) and ½ -Day Commissioning & Acceptance Testing of Sprinkler Systems (June 4).

The Town of Menasha Fire Department is co-sponsoring: 1-Day NFPA 13, 13R 13 D Update 2007 8/24/10, 1-Day Sprinkler Protection for General Storage ,8/25/10, 1/2 –Day Water Foam Systems 8/26/10and ½-Day Commissioning & Acceptance Testing of Sprinkler Systems 8/26/10, at their 1326 Cold Spring Road station. Get Wisconsin CEU's for attending if you are willing to travel.

Contact Mike Repko, NFSA @ (845) 878-4200 ext. 120 for information or registration for any NFSA training program. Check the NFSA web site, www.nfsa.org, to register and to link to our other regions for seminars that may fit your educational needs.

NFSA Honor Role

Thanks for your industry support!

Absolute Fire Protection

Hermantown, MN

(6/05/03) 7 years

Olsen Fire Protection, Inc.

Minneapolis, MN

(6/1/85) 25 years

Blue Cross Blue Shield of Wisconsin

Milwaukee, Wisconsin

(6/15/04) 6 year

Olympic Fire Protection

Owatonna, MN

(6/01/86) 24 years

NFSA Code of Ethics Preamble

The members of the National Fire Sprinkler Association recognize that their work has a direct, as well as indirect, impact on the quality of life for all humanity. Accordingly, the services provided by NFSA members require honesty, impartiality, fairness and equity, and must be dedicated to the preservation of life and property and the further enhancement of the public safety, health and welfare. In practice of their profession, members

of the National Fire Sprinkler Association must maintain and constantly improve their competence and perform under a standard of professional behavior, which requires adherence to the highest principles of ethical conduct with balanced regard for the interests of the public, clients, employees, colleagues and the greater fire protection community they serve. Members of the National Fire sprinkler Association are expected to act in accordance with the provisions of this code of ethics and all applicable laws, and actively encourage others to do the same.