

Flashpoint

Phila - Delaware Valley SFPE



February Meeting Information

Date: Tuesday February 9, 2016

Place: Jacobs Engineering Group Three Tower Bridge Suite 3000 Conshohocken, PA

See Page 6 for directions

5:30 PM: Fellowship Time

6:00 PM: Dinner

Dinner Program:

Our February Meeting technical presentation topic will be:

“Managing Corrosion Risk in Sprinkler Systems.”

It will be presented by Jeff Kochel-ek. Jeff is Vice President of re-

search and Development of Engineered Corrosion Systems out of St. Louis, Mo.

Don't forget to make your reservation by Friday January 8th; and bring an associate from your company!

Cost: \$25.00 for dinner & program

Reservations: By 12 noon, Friday, February 5, 2016

Reserve with:

Lou Annas by E-mail:

lannas@bearindustries.com

or Fax: (302) 368-9217

**VOLUME 21
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Special points of interest:

- *I you haven't paid your dues, please forward it to John Spitz.*
- *Scholarship application are being accepted until March 1, 2016. For more information go to our website.*

DVEW Reservations Now Open

Event reservations for the Delaware Valley Engineers Week events is now available. More information about each of the events, the award recipients to be recognized, and how to register are available on [our website](#). [Click here to go directly to online reservations.](#)

Friday, February 19, 2016: [Awards Luncheon](#), DoubleTree Philadelphia, Broad and Locust Streets, Philadelphia, PA

Tuesday, February 23, 2016: [Young Engineers Social](#), Buffalo Billiards, 118 Chestnut Street, Philadelphia

Thursday, February 25, 2016: [Celebration of Engineering Reception](#), The Innovation Studio, Drexel University, 3101 Market Street, Philadelphia, PA



FLASHPOINT

"The purpose of FLASHPOINT is to provide a forum for the transfer of information between members of the Philadelphia-Delaware Valley Chapter of the Society of Fire Protection Engineers (SFPE) and to give the Chapter visibility."

Newsletter/Publicity Committee:

Jay Stough
Information for publication can be submitted to: **Jay Stough**
Email: jays@tilleyfire.com

This Newsletter is published 9 or 10 times/year (September through June) and received as part of membership of the Chapter. Membership Dues are \$30.00 collected annually in the Fall of the Year. For an Application of Membership contact: **Lou Annas**
lannas@bearindustries.com

Visit our web site at:
www.sfpephiladelphia.org

Articles written are the views of the Author and not necessarily those of the Philadelphia-Delaware Valley Chapter of SFPE. ❖

President's Spark by Bob Moser PE

Last month we had a great presentation by Jerry Forstater on fire protection requirements for electrical equipment such as switchgear. This is another part of fire protection that presents significant challenges for a designer. Jerry shared his experience with us as well as some tools that we could use. We had a great attendance at the session and are now back to the big Jacobs main conference room which has a new and improved A/V system. I hope everyone stayed warm and safe during all the snow that hit the area. I look forward to getting together with everyone Feb 9th at our next presentation.

Bob

Boston's Hotel Vendome Deadly Fire

The Hotel Vendome was the height of Gilded-Age opulence in Boston, but on June 17, 1972, it was the scene of a fire and partial building collapse that killed nine firefighters and injured eight—one of the worst losses ever suffered by the Boston Fire Department.

The "[Looking Back](#)" article in the new [January/February issue of NFPA Journal](#) takes a detailed look at this tragedy, including what led to the fire, and the subsequent building collapse that killed the firefighters.

"The collapse trapped 17 firefighters in a pile of debris nearly two stories high," Mary Elizabeth Woodruff, manager of library in information resources at NFPA, writes in the article. "In the first hour, four firefighters were rescued, and eventually four more were freed from the rubble. Firefighters worked through the night to recover the bodies of the nine remaining men who died in the collapse." [Read more](#) about the Hotel Vendome fire in the new [NFPA Journal](#) and at nfpa.org/journal.

Future City Delayed but not buried in snow!

The snow may have delayed the competition, but it did not dampen the spirits. After a week delay, the Lionville Middle School won the competition. As of this time, the other award winners have not been named. For more information, go to www.futurecityphilly.org.



Research Leads to Important Changes to NFPA 13 by Ken Isman PE, FSFPE

The 2016 edition of NFPA 13 has been published and it contains hundreds of changes from the 2013 edition. Many of these changes are small, intended to clarify existing text or refine language so that everyone understands the intent. But a significant number of changes in this cycle utilized research results to shed light on completely new subjects and expand the reach of NFPA 13 into areas where the standard was silent in the past. In most cases, the research responsible for these changes was sponsored by the Fire Protection Research Foundation (FPRF) specifically to provide needed answers to questions that would enable the committee to reach an informed consensus.

This article is not a comprehensive list of all of the changes that have occurred in NFPA 13 (other organizations make such lists available). Instead, this article focuses on those changes that have made a significant impact, blazing new ground in NFPA 13 through research and analysis efforts. [Read more...](#)

Risk Based Fire Protection Strategy in Crude Oil Storage Facilities

Crude oil tank fires pose a difficult operational and budgetary decision, as it relates to fire protection and emergency response for tank storage facility owners and operators due to the probability of escalation, and Boilover. Although the probability of a full surface tank fire event is very low (approximately 9×10^{-5} year), the catastrophic nature of a Boilover can result in the total loss of a facility, fatalities, business interruption, and environmental impact.



Although a number of recent successes have been noted by the emergency response community in the extinguishment of large-scale tank fires (270' diameter gasoline tank), the industry has experienced many more incidents where tremendous losses in both product and personnel were the result of these types of tank fires. Examples include Buncefield, Jaipur, Singapore, Puerto Rico; and most recently Santos (Brazil).

For the rest of this article, [click here](#).

From International Fire Protection Magazine.

Spring Training is coming!
Who was the last Phillie to win Rookie of the Year?
See page 5 for the answer.

Scholarship applications are on our website, www.sfpephiladelphia.org. They are due no later than March 1st



6 Game Day Strategies for a fire safe Super Bowl Sunday

Did you know that Super Bowl Sunday ranked #6 behind Thanksgiving, Christmas and Memorial Day in 2013 as having the largest numbers of estimated reported home fires on a holiday? According to NFPA's 2015 [Home Fires Involving Cooking Equipment](#) report, an annual average of 590 home cooking fires occurred on Super Bowl Sunday in 2013. That's a 25% increase over the average number of fires on a typical day!

The [U.S. Department of Agriculture](#) (USDA) tells us that Super Bowl Sunday is also the second biggest day of the year for food consumption! So if you're planning to whip up some tasty snacks for this year's game, make sure you add kitchen fire safety "plays" to your line up.

What's the best way to do that? The [U.S. Fire Administration](#) (USFA) offers a handful of great tips below that are easy to follow:

1. Kitchen Huddle

Prepare your cooking area. Use back burners or turn pot handles toward the back of the stove. Move things that can burn away from the stove. Keep a timer handy and use it when you're roasting or baking.

2. Penalty Flag

Frying poses the greatest risk of fire. Keep an eye on what you fry. Start with a small amount of oil and heat it slowly. If you see smoke or if the grease starts to boil in your pan, turn the burner off. Even a small amount of oil on a hot burner can start a fire.

3. Defense

Stay awake and alert while you're cooking. Stand by your pan. If you leave the kitchen, turn the burner off. Keep a large pan lid or baking sheet nearby in case you need to smother a pan fire.

4. Illegal Contact

Prevent burns when you're cooking. Wear short sleeves, or roll them up. Don't lean over the burner. Use potholders and oven mitts to handle hot or steaming cookware.

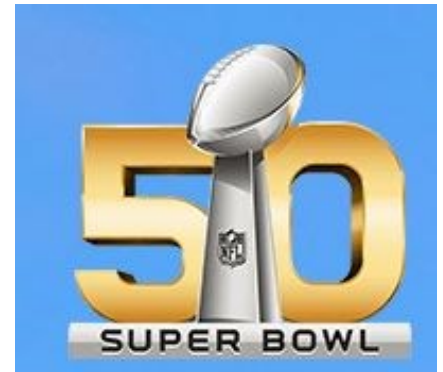
5. Defensive Linemen

Children need constant adult supervision. If you have young children in the home, keep them three feet from anything that can get hot, including the stove. Put hot objects and liquids beyond a child's reach so they can't touch or pull them down. Never hold a child when you cook.


6. Touchdown!

Keep safety in mind when serving on game day, too. If you burn candles, position them out of reach of children and away from anything that can burn. Consider using flameless candles that are lit by battery power instead. Food warmers and slow cookers get hot. Place them toward the back of the serving table so they won't get knocked off. Provide hot pads to prevent burns. Light the chafing dish fuel can after it is placed under the warmer. Make sure nothing comes in contact with the flame. If young children are in your home, supervise them and keep matches and lighters locked away.

For more fire safety information, visit [USFA's webpage](#). Additional resources can also be found on [NFPA's Cooking Fire Safety web pages](#).



February 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3 ASCET SJ chapter Mtg	4	5	6
7	8	9 SFPE Mtg 6 PM	10	11	12	13
14 	15	16 ASCET Berks chapter	17 ASCET Delaware chapter	18	19	20
21	22	23 ASCET Phila chapter	24	25	26	27
28	29					

Monthly Events

- February 3: NJ ASCET Meeting @ the Collins House in Collingswood, NJ
- February 9: SFPE meeting @ Jacobs Engineering 6PM
- February 14: Valentine’s Day
- February 16: Berks County ASCET Chapter Meeting @ Valentino’s in Kutztown 6PM
- February 17: Delaware ASCET Chapter Meeting @ Charcoal Pit on Kirkwood Highway in Wilmington
- February 23: Phila. ASCET Chapter Meeting @ Pub 2900 at 2900 Street Road Bensalem, PA

Baseball trivia
Answer:
 Ryan Howard in 2005.



Phila-Delaware Valley
SFPE

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Mission Statement

The Philadelphia/Delaware Valley Chapter purpose is to advance the art and science of fire protection engineering and its allied fields, for the reduction of life and property losses from fire, to maintain high ethical standards on engineering among its members and to foster fire protection education.

Recognition of fire protection engineering as a discrete engineering discipline is a prime goal. Engineering disciplines exist because there is a special body of knowledge based on the fundamentals of mathematics, physics, chemistry, engineering science and economics.

The chapter strives to facilitate sharing of sound engineering experiences and knowledge between its members and the fire protection community in general with an active program of education and scholarship activities.



Webinar: Key Changes to the 2016 Edition of NFPA 72

February 29, 2016 11:00 AM - 12:00 PM Eastern Time

Presented by Raymond Grill, P.E., FSFPE, LEED AP, Principal, Arup

Fire alarm technology continues to develop and the newest edition of NFPA 72 has incorporated requirements for current technology to maintain the reliability of fire alarm systems. This presentation will review the key changes of the 2016 Edition of NFPA 72 and the rationale behind those changes.

Learning objectives:

- Become familiar with the new requirements and changes in the 2016 Edition of NFPA 72.
- Understand the rationale behind key changes to the code and how they impact current design.
- Be able to navigate the 2016 Edition of NFPA 72.
- Understand the key changes to survivability requirements and how they can be applied.

Check the SFPE website for registration