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 Kochelk. Jeff is Vice President of research 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

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

Inside this issue:
President’s Message  2
Future City Update  2
Research for NFPA 13  3
Protection of Crude oil Storage  3
Game Day Safety  4
Calendar  5
Inside Story  6

Special points of interest:

- If 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.
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

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

#### 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.
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