President’s Message…

Our next Chapter meeting is set for March 7th at our usual venue, the Hanover Manor, East Hanover, NJ. Our guest speaker will be John Drucker who will present a New Jersey Code Update. John is our go to expert on updates to code changes and how it effects us here in New Jersey. Don't miss it! At our February meeting Robert Acosta and Jon Barrot from ARUP gave a very insightful briefing on Integrated Design and how all of the construction trades and engineering disciplines, in a project, need to coordinate and consider their respective installations so that all systems function as designed. Thanks to ARUP for a great presentation. As always our meetings are open to everyone. Bring a co-worker or industry peer or even an engineer new to the field. The Chapter overall has hundreds of years of experience. Let's share some of it with the up and comers and the new generations of members and potential members. That's what we are here for, to educate and inform.

See you all at the March Meeting.

Rich Reitberger
President
Chapter Meeting Minutes
February 1, 2016

President Rich Reitberger convened the meeting at 6:03 PM at the Hanover Manor in East Hanover, NJ with the customary salute to the flag and attendee introduction.

A motion was made by Joe Janiga to approve the January meeting minutes and the members voted to approve.

Glenn Buser presented the January Treasurer’s report to the group. Joe Janiga made motion to approve and was approved by the members.

Roger Kochis from Hochiki America Corporation applied for chapter supporter and was accepted as a chapter member.

Rich discussed how the Scholarship fund is being transitioned into a 501c3 Education and Scholarship Foundation. There are other areas where the foundation will be able to contribute in more ways than scholarships; such as funding educational objectives. Once the website is created and the Foundation is created there will be more information. Contributions to the Foundation will be considered charitable contributions and tax deductible. The Board of Directors includes Rich Reitberger as President, Tim Collins as Vice President and Mike Newman as Secretary.

The annual symposium will be held on May 4th at the Hanover Manor.

The 2016 James Goerl Golf Outing will be held on June 6th at the New York Country Club in New Hempstead, NY.

The annual meeting will be June 20th and will be an extended menu.

Dave Kurasz reported that all bills expired and will need to be sponsored and submitted. The Edgewater structure bill will be pushed back into the building code cycle. Unfortunately this has resulted in group homes getting built without fire protection. The 1 and 2 family and townhome bill will be resubmitted. The contrast of a parties have been a challenge in gaining traction.

Vicki selected the winners for the fire extinguisher and CO/Smoke detector raffle as provided by City Fire.

John Barrot, PE, Associate, Life Safety & Fire Protection at Arup, and Robert Accosta PE, Senior Fire Engineer at Arup, gave a very informative presentation titled “What is Integrated Design?”.

Integrated design is an approach to design which brings together design specialists usually considered separately. For example:
- Design of a building which considers architecture, structural engineering, fire protection, life safety and HVAC. The approach may also integrate building lifecycle management and a greater consideration of the end users of the building. The aim of integrated building design is often to produce sustainable architecture.
- Design of both a product (or family of products) and the assembly system that will produce it.

The integrated design approach incorporates methods and tools to encourage and enable the specialists in the different areas to work together to produce an integrated design. By coordinating and collaborating between the disciplines it is possible to develop a performance based design customized for the end users versus a prescriptive code based approach.

About the speakers;
John is the Fire and Life Safety business unit leader for Arup in the New York office. Arup’s fire engineering team provide building, fire accessibility code consulting, performance-based design including fire and egress modelling, structural fire engineering, fire alarm and fire protection systems design as well as facilitating approvals with local authorities.

Robert is a Sr. Fire Engineer at Arup, who has been responsible for managing small projects and delivering holistic solutions related to fire and life safety strategies, engineering design, and code consulting. His seasoned experience entails fire alarm and suppression system design, fire and egress modeling, smoke control design, fire and life safety code consulting, and developing life safety strategies for numerous unique structures.

Rich Reitberger called the meeting to a close at 7:45PM. Respectfully Submitted, Chris Vitale Secretary February 2, 2016

Tianjin blasts insured loss could creep towards $6bn: IUMI

by Artemis on February 3, 2016

The insurance and reinsurance industry loss from the Tianjin, China port explosions last summer could creep up to somewhere between $5 billion to as much as $6 billion, according to reports, threatening a growing loss exposure for some ILS funds.

Shortly after the Tianjin blasts occurred, the first insurance industry loss estimates suggested the toll could reach $1.5 billion or higher. Reinsurance broker Guy Carpenter then estimated an industry loss of around $3.3 billion, almost double the initial estimates, with exposures by that time expected to seep into the reinsurance market.

Then it became clear that a number of the ILS fund managers that allocate capital to specialty lines, such as marine reinsurance, were potentially exposed, with at least one ILS fund reserving a side pocket due to potential Tianjin exposures.

Those potential ILS fund exposures look set to grow and become more likely to cause some form of loss, as the total insurance bill from Tianjin looks set to head north of $5 billion.

Speaking at the International Union of Marine Insurance (IUMI) winter conference yesterday, a representative of the organization said that around 70,000 cars are now expected to have been in the port area at the time of the blasts and that the losses from the explosions are now expected to be much higher than previously thought.

According to the Insider, IUMI executive Patrizia Kern-Ferretti said that the insured loss, including clean-up costs, damage to cars and other products stored at the site, is expected to result in a cost to the insurance industry of between $5 billion and $6 billion.

With half or more of these claims expected to fall within the marine insurance and reinsurance lines, the Tianjin blasts could be the largest single marine insurance loss in the market’s history.
Hoverboard — part toy, part transportation. These self-balancing scooters have quickly become the latest fad. However, many hoverboards have been linked to fires. NFPA urges you to be fire safe when using these devices.

IF YOU PURCHASE A HOVERBOARD

- Choose a device with the seal of an independent testing laboratory.
- Read and follow all manufacturer directions. If you do not understand the directions, ask for help.
- An adult should be responsible for charging the hoverboard.
- Do not leave a charging hoverboard unattended.
- Never leave the hoverboard plugged in overnight.
- Only use the charging cord that came with the hoverboard.
- Stop using your hoverboard if it overheats.
- Extreme hot or cold temperature can hurt the battery.

NEW TO MARKET
Hoverboards are fairly new to the mass market. Be on the lookout for updates from manufacturers and safety groups.

Signs of a Problem
Some hoverboard fires have involved the Lithium-Ion battery or charger. Signs you could have a problem:
- Leaking fluids
- Excessive heat
- Odor
- Sparking
- Smoke

If you notice any of these signs, stop using the device right away. Call 9-1-1. If safe to do so, move the hoverboard outside away from anything that can burn.

Travel Notes
- Many airlines have banned hoverboards. If you plan to fly with a hoverboard, be sure to check with your air carrier.
- When riding in a car, keep the hoverboard where you can see it in case it shows signs of a problem.

Name of Organization Goes Here
Contact Information Goes Here
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CSB’s analysis of the emergency response, found in Section 7, concludes that the West Volunteer Fire Department did not conduct pre-incident planning or response training at WFC, was likely unaware of the potential for FGAN detonation, did not take recommended incident response actions at the fire scene, and did not have appropriate training in hazardous materials response.

CSB found several shortcomings in federal and state regulations and standards that could reduce the risk of another incident of this type. These include the Occupational Safety and Health Administration’s Explosives and Blasting Agents and Process Safety Management standards, the Environmental Protection Agency’s Risk Management Program and Emergency Planning and Community Right-to-Know Act, and training provided or certified by the Texas Commission on Fire Protection and the State Fire-fighters’ and Fire Marshals’ Association of Texas. CSB’s complete analysis is presented in Section 8.

The location of the WFC relative to the surrounding community exacerbated the offsite consequences, leading CSB to assess whether other FGAN storage facilities could pose significant offsite risks. CSB’s analysis shows that the risk to the public from a catastrophic incident exists at least within the state of Texas, if not more broadly. For example, 19 other Texas facilities storing more than 10,000 pounds of FGAN are located within 0.5 miles of a school, hospital, or nursing home, raising concerns that an incident with offsite consequences of this magnitude could happen again. Section 9 explores the connection between land use planning and offsite consequences.

1.2 Federal and State Response
In response to this incident, President Barack Obama issued Executive Order (EO) 13650, “Improving Chemical Facility Safety and Security” to coordinate federal actions to reduce the risks of another incident of this type. Details and updates on the status of the EO are included in Section 8.1

Early investigation activities focused on law enforcement efforts to determine if there was a criminal element to the incident. Responding governmental agencies included the U.S. Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) National Response Team, Texas State Fire Marshal’s Office (SFMO), U.S. Occupational Safety and Health Administration (OSHA), Texas Commission on Environmental Equality, U.S. Federal Emergency Management Agency (FEMA), and U.S. Environmental Protection Agency (EPA). In addition, multiple state and local law enforcement and emergency response organizations responded to the scene.

1.2.1 Joint SFMO/ATF Investigation
Immediately following the incident, ATF deployed to West at the invitation of SFMO and assumed control of the WFC site to conduct a joint investigation of the immediate cause and origin of the fire and explosion and determine whether the initiating fire was intentionally set.
Another Contingent Business Interruption / Supply Chain Large Loss Example - Toyota

By Alan Tovey, Industry Editor
9:29AM GMT 03 Feb 2016

Toyota is stopping production at its Japanese factories after an explosion at a steel plant last month.
The world’s largest car maker said it was halting work at 16 vehicle assembly lines for six days from February 8, with production expected to restart on February 15.
Japan is responsible for about 40pc of all vehicles produced by Toyota. Work at plants outside the country will not be affected.

The halt has been called after an accident at Aichi Steel’s plant in Nagoya, on Japan’s eastern coast, where a steel furnace exploded.
Toyota relies on the plant to produce specialty steels used for engine, chassis and transmission parts.
Shutting down production is expected to reduce Toyota’s annual output by about 70,000 vehicles. Although this is unlikely to put much of a dent in the company’s annual production total of more than 10m vehicles, it does highlight how sensitive the car company’s supply chain is.
Dampener: Toyota's production is expected to be reduced by about 70,000 vehicles  Photo: AP

Like most of its rivals, the Toyota relies on “just in time” supply, meaning that it keeps only a very limited stock of parts on hand to reduce warehousing costs. Any disruption to supplies can have a serious effect on work.
Aichi Steel is running its other production lines at full capacity to try to compensate for the production shortfall and other steel makers are stepping in in an attempt to plug the gap..
Toyota is currently the world’s largest car maker, a title it has held continuously since 2012, after an interruption in 2011 when the Japanese tsunami disrupted its supply chain and it ceded its crown to General Motors.
However, this latest disaster illustrates how fragile Toyota’s lead could be. Volkswagen Group is close behind and although the “dieselgate” scandal has put a brake on the German company’s ambitions to become the world’s biggest car maker, Toyota’s misfortune could provide an opportunity to overtake its Japanese rival.
**Employment Opportunities**

**ARUP is looking for a Senior Fire Consultant/Engineer - Tri State Region - offices in Edison and NYC**

At Arup, our innovative spirit compels us to express our ingenuity in unique ways —developing many of the world’s most innovative and sustainable buildings, transport and civil engineering projects. Arup is a global engineering and consulting firm of 11,000 creative minds.

Our integrated approach to engineering and design brings together the best professionals to meet our clients’ needs.

We are currently seeking a Senior Fire Consultant/Engineer to play a very active role in the continued development of Arup’s fire engineering practice in the Americas and will work closely with many of the world’s leading architects and building owners developing innovative, performance based design solutions for a wide range of building, industrial and transport projects.

**Your responsibilities will involve:**

- Provide fire safety consulting engineering services to a variety of potential clients, including but not limited to architects, developers, owners, government and insurers.
- Consulting on building codes and standards including IBC, NFPA codes and tri-state jurisdictions (NYC, NYS, NJ).
- Develop fire strategies for projects across all markets
- Fire alarm design and construction administration support including reviewing shop drawings, submittals, RFIs and conducting field reports for large rail projects.
- Responsible for project management of multiple projects to ensure successful delivery on time and budget.
- Developing client relationships and pursuing new business opportunities.
- Contributing to our research and development activities.

Qualified professionals will have a Bachelors or Master's degree in Fire Engineering or related field. PE license in fire protection engineering desired. Candidate must possess good communication skills essential for team-based working, excellent planning and organization skills required for our fast-paced environment, and must be highly motivated, proactive and willing to take on new challenges.

Share your passion and experience in a global culture that believes your potential to achieve is endless. This is your opportunity to shine.

Arup is proud to be an equal opportunity employer.

APPLY at: https://arupjobs.taleo.net/careersection/jobdetail.ftl?job=NEW000037&lang=en

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**Lockton Northeast Series – Property Risk Control Consultant**

**Location:** Hartford (Farmington)/New York City/Philadelphia (Blue Bell)

**About Lockton:**

More than 5,300 professionals at Lockton provide 41,000 clients around the world with risk management, insurance, and employee benefits consulting services that improve their businesses. From its founding in 1966 in Kansas City, Missouri, Lockton has attracted entrepreneurial professionals who have driven its growth to become the largest privately held, independent insurance broker in the world and 10th largest overall. Independent researcher Greenwich Associates has awarded Lockton its Service Excellence Award for risk management for large companies. For five consecutive years, Business Insurance magazine has recognized Lockton as a "Best Place to Work in Insurance." To see the latest insights from Lockton's experts, check Lockton Market Update.

Lockton is known throughout the insurance industry as an entrepreneurial, progressive and successful insurance broker. As a result of continued individual and group accomplishments, Lockton has a record of steady and substantial growth. Unlike publically held companies that have to report to public shareholders on a quarterly basis, Lockton operates on a long term goal basis over years, not quarters. If you are a committed professional with a passion for delivering unparalleled service, Lockton is interested in hearing from you.
Job Description:

Responsibilities: Lockton is searching for an experienced property risk control consultant to work in a fast-paced team environment to support the insurance placement process, participate in the acquisition of new business and advocate for the client with insurers and support their risk management/property loss prevention processes and programs.

Qualifications:

- 5+ years of insurance carrier, broker or risk management property risk control experience.
- Bachelor’s Degree in Engineering or Applied Science or equivalent
- PE license or CFPS certification a plus
- Strong oral and written communications skills
- Proficiency in knowledge and application of National Fire Protection Association (NFPA) Standards and FM Global Data Sheets
- Strong interpersonal skills to communicate effectively with clients
- Expertise in development and analysis of property insurance industry loss estimates including MFL’s, PML’s and LE’s.
- Strong advocacy skills in working with FM Global insured clients
- Self-motivated individual with successful ability to work in a team environment
- Microsoft Office and internet proficiency

Interest candidates should contact David A. Larson, SVP - Risk Services Practice Leader, Lockton Companies, 1185 Ave of the Americas, New York, NY 10036; E-mail: dlarson@lockton.com; Office: (646) 572-7367.

Lockton Companies, LLC is an equal opportunity employer. As a privately held company, we offer a competitive compensation and benefits package reflecting our commitment to attracting and retaining great individuals. This includes health and dental coverage, which begins on your first day of work, 401(k) with match and immediate vesting, a competitive vacation plan and unrivaled career advancement opportunities.
MEETING NOTICE

Date:        Monday, March 7, 2016

Place:      Hanover Manor  
            16 Eagle Rock Avenue  
            East Hanover, NJ 07936

Price:        $30.00

Time:        Gathering starts at 5 PM, meeting starts at 6 PM

Topic:        NJ Code Update

Speaker:      John Drucker

PLEASE COMPLETE AND RETURN WITH YOUR CHECK PAYABLE TO “SFPE NJ CHAPTER” TO:

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OR PAY AT THE DOOR

NAME: ____________________________

COMPANY: _________________________ TELEPHONE: ________________
# Meeting Dates/Programs 2015-2016

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>April 4</td>
<td>“Managing corrosion in water-based sprinkler systems—the causes, the myths, and to how to assess” - Jeff Kochelek, CEO of Engineered Corrosion Solutions</td>
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<tr>
<td>May 4</td>
<td>Seminar</td>
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<td>June 6</td>
<td>James Goerl Golf Outing will be held at the New York Country Club in New Hempstead, NY</td>
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<tr>
<td>June 20</td>
<td>Annual Meeting—Use of Large Capacity Lithium Batteries in NYC Buildings</td>
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The NY/NJ Chapters Scholarship Golf Outing Committee sends their special thanks to our long time sponsor Russ Fleming and the National Fire Sprinkler Association  
We appreciate your continued support!!
HELPFUL LINKS

ADAAG http://www.access-board.gov/adaag/about/index.htm
AFAA National http://www.afaa.org/
AFSA http://www.firesprinkler.org/
ANSI http://web.an si.org/
ASHRAE http://www.ashrae.org/
Campus-Firewatch http://www.campus-firewatch.com/
Coffee Break Training http://www.usfa.dhs.gov/nfa/coffee-break/
CPSC http://www.cpsc.gov/
CSAA http://www.csaaul.org/
Municipal Codes (E Codes) http://www.generalcode.com/Webcode2.html
FM Global http://www.fmglobal.com/
FSDANY http://www.fsdany.org/regs.htm
FSI http://www.firesprinklerinitiative.org/
FSSA http://www.fssa.net/
Fire Tech Productions—Nicet Training (FTP) http://www.ft retch.com/
Home Fire Spklr Coalition http://www.homefiresprinkler.org/
AFAA-NJ http://www.afaanj.org/
National of Fire Equipment Distributors (NAFED) - http://www.nafed.org/index.cfm

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