President's Message - February 2017

Five Myths of Safety

As part of developing and teaching risk assessment, there are a number of myths that we, as safety professionals, have somehow taught our leadership teams within our organizations. In hopes of dispelling these myths, let me explain below.

Myth # 1: Loss Data tells us about Frequency and Severity.
Heindrich, with his accident triangle, has taught us since 1931 that the frequency of near misses will determine the frequency of accidents. This has lead us to the belief that if we reduce minor incidents, by examining and learning from them, we can prevent more severe accidents. As we have learned over the years, most recently from Deep Water Horizon, is that there is another type of severity, one not predicted by frequency analysis. This is called FSI, or Fatal and Serious Incident. So, what is the myth? That all minor incidents can have catastrophic events. And, that
reducing serious incidents requires a different strategy than reducing higher frequency incidents.

**Myth # 2: Unsafe Acts are the Principle Cause of Incidents.**
While it is true that human error accounts for a clear majority of underlying incident causes, human error is never a root cause. Human errors have precursors, as we are taught by INPO (Institute for Nuclear Power Operators). These error precursors predict that humans WILL make mistakes, so we should design the tools equipment and workstations to minimize the effect. The Myth is to think we can train people into NEVER making mistakes. Awareness is needed, but does little as the final motivator of behaviors. Awareness is not Training. Training is developing behaviors as a second nature. This is not accomplished in any one-time, one-hour course. Accountability and recognition motivate behaviors.

**Myth # 3: Compliance Assures Incident Prevention.**
As you can see, each of these have a kernel of truth. Compliance standards DO come from previous incidents, and are designed to prevent. Unfortunately, most compliance standards are based on the minimal acceptable controls. In addition, most of our compliance standards were developed in the 1950’s and 60’s, the adopted by OSHA in the early 70’s. Since then, how may new tools, equipment, work tasks have changed in the last 45+ years? We know OSHA has a difficult time adding to the existing book of regulations. So, why do we think that compliance alone has standards for most work people do today?

**Myth # 4: Low Level Controls Reduce the Severity of Harm.**
We all know about the hierarchy of controls. PPE is at the bottom, and is the least effective. Admin controls like training, and job rotation do nothing to eliminate the hazard or hazardous energies that cause harm. Yet, I think we have convinced some management that using PPE is 100% effective? Let’s examine the energy. If I drop a hammer from 10 feet in height, it has a certain energy at 6 feet, when it can hit someone’s head. A good hard hat can prevent this injury, right? Well, what happens when someone drops a hammer? They yell “watch out”. So, what do we naturally do? Look up to see what is happening. The hammer hits us right
in the face. The problem is, the energy, a hammer falling 4 feet, has not been abated. Just the likelihood that the most severe incident will occur all the time. The myth is, sometimes the most severe accident still happens, when we have not reduced the energy that causes harm.

Myth # 5: Low Injury Rates Equal Low Risk.
Every year, highly respected organizations have catastrophic events. NASA and the space shuttle, BP and Deep Water Horizon, etc. Each time, the organizations ask themselves, “we have such a low rate, how could this happen?” Often, the focus is on Zero Accidents, instead of minimizing risks and the energy that causes fatal and serious injuries. The OSH Act says “provide a safe and healthful workplace”. Zero incidents are a by-product, but the actions needed are risk reductions, especially the control of high energy exposures.

So, does your organization know where their top five highest energy exposures are? Do they know if there are multiple high level controls in place for these highest energy events? Do they know the conformance rate of these controls based on inspection and observation? Do they manage, hold people accountable and recognize prevention performance to these metrics? Or just Zero incidents.

We have the power to change the culture of our organizations. Measure the right people on the right things. Add Risk Assessment to your tool box.

Paul Esposito, CSP, CIH
President: Chesapeake Chapter, ASSE
STAR Consultants, Inc.

paul.esposito@starconsultants.net

Registration is now open!
2017 Chesapeake ASSE and AIHA Educational
Seminar
Thursday, April 6, 2017

http://chesapeake.asse.org/events/2017-
chesapeake-asse-and-aiha-educational-
seminar/

2016-2017 Chesapeake Chapter ASSE Programs

Our monthly chapter meetings are valuable opportunities for professional development, networking and catching up with friends and colleagues. Take a look below to see what we’ve got in store for you!

You can also view prior Chapter Webinars on the website: http://chesapeake.asse.org/files/
CALL FOR PAPERS / PRESENTATIONS!

Earn 0.25 Certification points.

The Chesapeake ASSE Local Chapter is looking for papers/presentations approximately 40-50 minutes in length. We are producing a webinar series every month, and have done three year-to-date. Chapter Participants can also earn CEUs.

If you have an interesting topic, and would like to share, please forward your interest to Paul Esposito, President, Chesapeake Chapter, at 410-218-8451 and paul.esposito@starconsultants.net

BSCP recertification points: Conferences
Presentation at a professional, safety-related conference: Session length of 15-60 minutes: 0.25 points

February Chapter Meeting
U.S. Chemical Safety & Hazard Investigation Board (CSB)

Join us for an informative overview of the Chemical Safety Board, including the investigation process.
Manny Ehrlich, U.S. Chemical Safety and Hazard Investigation Board Member, will be presenting.

Tuesday, February 21, 2017 | 2:00 PM

Howard County Library, Miller Branch - Avalon Meeting Room
9421 Frederick Road, Ellicott City, MD 21042
Cost: $20.00 per person*

E-mail chesapeakeasse@gmail.com to register.

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Please register by **February 16, 2017**.

Check the chapter website for more details & contact information chesapeake.asse.org.

*Please note if you register and don’t attend you will be billed for the meeting.

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**ASSE Chesapeake Chapter**

**2016-2017 Programs Calendar**

*Topics and locations are tentative and are subject to change.*

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<tr>
<th>Month</th>
<th><strong>Topic</strong></th>
<th><strong>Location</strong></th>
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<tbody>
<tr>
<td>September</td>
<td>Tour: Asphalt Plant</td>
<td>Maryland Paving - Rosedale</td>
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<tr>
<td>October</td>
<td>Lockout / Tagout</td>
<td>W.R. Grace Corporate HQ - Columbia</td>
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<td>November</td>
<td>Earth Moving Equipment</td>
<td>Gray &amp; Son - Timonium</td>
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<td>December</td>
<td>The Heart of the Matter</td>
<td>Kelsey's Irish Pub - Ellicott City</td>
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<tr>
<td>January</td>
<td>MOSH Update</td>
<td>Liberatore's Ristorante - Timonium</td>
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<td>February</td>
<td>Chemical Safety Board</td>
<td>Miller Library - Ellicott City</td>
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<td>March</td>
<td>Connecting with Your Audience</td>
<td>TBD</td>
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<tr>
<td>April</td>
<td>Chapter PDC</td>
<td>Johns Hopkins APL</td>
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May
Tour: National Institute for Standards & Technology or National Fire Academy
NIST / NFA

June
Chapter Planning Meeting
Boordy Vineyards

Did you know MOSH offers FREE classes on a variety of safety topics?
Check out the website for more information:
https://www.dllr.state.md.us/MOSHCalendar/web/content/Home.aspx

Chesapeake ASSE Safety Professional Of The Year

We are seeking nominations for the ASSE Chesapeake Chapter SPY award. The SPY award is an honor acknowledging the dedication and outstanding contributions of a member of our Chapter.

Who will you nominate for this recognition?

To be eligible nominees must:

- Be a Professional Member or Member in good standing of the Society and the Chesapeake Chapter.
- Not have received this award within the past five (5) years.
- Be engaged in full-time employment in the profession of protecting people, property and the environment.

For more information, see the Chapter website: http://chesapeake.asse.org/encounters-news/chesapeake-asse-safety-professional-of-the-year/

So, you want to be PRESIDENT! Why not...

All kinds of people have served as the President of the Chesapeake Safety Engineers. It's a big job, and getting bigger. But why not consider the top job? Or, maybe come in as Secretary, Treasurer, or even 2nd Vice President so
you can begin the path to the top job. We need good leadership to keep our organization strong and moving forward. And there are training opportunities available for persons interested in taking on a leadership position. All of the Chesapeake Safety Engineer Officer descriptions are on the web page: 
http://chesapeake.asse.org/download/471/, so please take a look and get involved. Hopefully you are not a www.idon't_wanta_doanything@couchpotato.com. Get involved, give back, and play it forward for our profession.

If you have any questions about the nomination process, or to express interest in running for a leadership position, contact me @ 410.530.3322 or CraigDonLow@Yahoo.com.

Craig D. Lowry
Past President & Nomination Chair

Government Affairs Report

For current information on Federal and Maryland State regulations and safety initiatives, see the Government Affairs Report on the Chesapeake Chapter website.

Unified Agenda

Occupational Safety and Health
Mine Safety and Health

Federal Agencies

DOT PHMSA Issues Safety Advisory on Use of DOT-39 Cylinders for Liquefied Flammable Compressed Gas

DOT PHMSA Issues Interim Final Rule Revising the Pipeline Safety Regulations to Address Safety Issues Related to Underground Natural Gas Storage Facilities

DOT FMCSA Announces Controlled Substances Random Testing Rate for Calendar Year 2017

DOT FMCSA Establishes National Training Standards for New Truck and Bus Drivers

EPA January Designated as National Radon Action Month
OSHA Worker health and safety should be an integral part of sustainability efforts
OSHA Clarification of Employer's Continuing Obligation To Make and Maintain an Accurate Record of Each Recordable Injury and Illness
OSHA Comment Request; Welding, Cutting, and Brazing Standard Suspense 18 Jan 2017
OSHA Final Rule Procedures for Handling Retaliation Complaints Under Section 31307 of the Moving Ahead for Progress in the 21st Century Act (MAP-21)
OSHA Request for Information Prevention of Workplace Violence in Healthcare and Social Assistance Suspense 6 April 2017

OSHA Region 3
News Releases
Mid Atlantic OTI Education Center (Consortium) Current List of Authorized OTI Education Centers

Maryland General Assembly
Nothing to report at this time.

MOSH
Training and Education
Publications
Seminar Calendar

Other Safety and Health Sources
NFPA Lithium ion batteries hazard and use assessment
NSC Campbell Institute: Safety is Under Represented in Workplace Sustainability Efforts

Employment Opportunities

See the Chapter website for more information and more job opportunities: http://chesapeake.asse.org/current-openings/
Summary: The industrial hygienist will provide a wide variety of technical industrial hygiene (IH) services which are concerned primarily with problem identification, evaluation, and control.

Duties (Listed in order of importance):

1. Develop and coordinate major components of an Industrial Hygiene Program including, but not limited to chemical hygiene, respiratory protection, lab safety, indoor environmental quality, radiation protection, biosafety, and surveillance of exposures to hazardous materials.
2. Conduct laboratory inspections to assess existing and potential health hazards, and to determine compliance with policies, procedures, and applicable regulations. Develop, recommend, and implement IH controls, procedures, equipment usage and corrective solutions for various health hazards.
3. Prepare reports, presentations, briefings, corrective action plans etc., as needed to be delivered to all levels of staff.
4. Evaluate construction projects to ensure the inclusion of appropriate EHS program elements.
5. Investigate complaints and reports of unsafe working conditions and provide recommended abatement actions.
6. Provide technical input to IH related training programs.
7. Provide back-up support for other EHS programmatic needs and other duties as assigned.

For more information, please see the Chapter website: http://chesapeake.asse.org/current-openings/

To apply: Go to the following link http://www.jhuapl.edu/employment/

Safety, Health & Environment Specialists
EnSafe Inc.
Maryland

We are EnSafe Inc., an employee-owned, global professional services firm. We strive to provide cutting-edge, creative solutions for our clients. We are currently accepting applications for safety, health and environment compliance specialists to be located in Gaithersburg, Maryland. Primary job
responsibilities will include performing ergonomic assessments; however other responsibilities will include accident and incident investigations with follow up corrective action plans and risk assessments. We require a minimum of a BS in Industrial Hygiene, Occupational Safety and Health, Engineering, or a related field and 5 to 15 years of experience. Previous pharmaceutical experience is helpful.

Our employees are outgoing, self-motivated, and thrive in a fast-paced consulting environment. Communication, written and verbal, is also critical to success. Overnight travel will be required.

We offer a competitive salary and benefits, an outstanding work environment, and the opportunity to work on some really cool projects. For consideration, submit your cover letter, salary expectations, and resume.

For more information, please see the Chapter website: [http://chesapeake.asse.org/current-openings/](http://chesapeake.asse.org/current-openings/)

**To apply:** Check us out on the web at [www.ensafe.com](http://www.ensafe.com)

EEO/AA

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**Sr. Risk Control Consultant Large Account Service Coordinator**

**Travelers**

This position can be located in Chantilly, VA, Richmond, VA, DC Metro or Baltimore, MD. Reporting to the Regional Field Director, this position will have the primary responsibility of managing and coordinating Risk Control services to large Middle Market commercial accounts in the VA/MD/DC territory. In that role the consultant will work to develop and execute upon Risk Control service plans that address customer needs. The position will also work closely with Underwriting Account Executives to select, acquire, and retain large Middle Market commercial accounts through risk assessment and selling risk services.

Undergraduate degree in environmental health and safety, engineering, construction management, basic sciences and related technical fields required. 8+ years of experience in risk control or safety related positions in industries such as construction, manufacturing, or military required. Large account management/service experience preferred. Knowledge of multi-line Property/Casualty insurance coverages and terminology. Valid driver’s
 license required.

Travelers recognize that talented people are attracted to companies that provide competitive pay, comprehensive benefits packages and outstanding advancement opportunities. For this reason we offer a comprehensive benefits package and various opportunities for advancement. Travelers is an equal opportunity employer. We actively promote a drug-free workplace.

For more information, please see the Chapter website:
http://chesapeake.asse.org/current-openings/

To apply: www.travelers.com/careers and search for Job ID: 9885BR

 __________________________________________________________

 Project Supervisor, Remediation Department

W. R. Grace

W. R. Grace is a leading global supplier of catalysts and other products and services to petroleum refiners; catalysts for the manufacture of plastics; silica-based engineered and specialty materials for a wide-range of industrial applications; specialty chemicals and additives. With annual sales of more than $1.5 billion, Grace has employees in nearly 40 countries.

We have an opportunity within our Remediation Department as a Project Supervisor, reporting to the Global Director Environment and Remediation. You will be responsible for developing and administering a centralized information management system that will be accessed by Remediation personnel, and management of one to three remediation sites. Such management will involve interaction with regulators, legal counsel, technical consultants, and the public to develop and implement cost effective, risk-based remediation plans for environmentally impaired sites. You may be a team member on periodic internal EHS compliance and management systems audits and support Grace’s operating businesses in fulfilling their regulatory reporting obligations. The geographical scope is primarily within the U.S., but may include work in other jurisdictions.
For more information, please see the Chapter website:
http://chesapeake.asse.org/current-openings/

To apply: Job Link: http://bit.ly/2jawFBV

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Welcome New Chesapeake Chapter Members

Chesapeake Chapter-New Membership Report -
January 2017

New Members

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Company Name</th>
<th>Date Joined</th>
<th>Member Class</th>
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</thead>
<tbody>
<tr>
<td>Vincent</td>
<td>Corden</td>
<td>Fay, An I + icon USA</td>
<td>1/1/17</td>
<td>Member</td>
</tr>
<tr>
<td>Kimberly</td>
<td>Horton</td>
<td>Hartford Mutual Insurance Co</td>
<td>1/1/17</td>
<td>Member</td>
</tr>
<tr>
<td>Clarence</td>
<td>Ibe</td>
<td></td>
<td>1/1/17</td>
<td>Student</td>
</tr>
<tr>
<td>Richard</td>
<td>Ocheltree</td>
<td>Whiting Turner Contracting Co</td>
<td>1/1/17</td>
<td>Member</td>
</tr>
<tr>
<td>Mark</td>
<td>Warner</td>
<td>Marine Technologies Inc.</td>
<td>1/1/17</td>
<td>Member</td>
</tr>
</tbody>
</table>

We look forward to meeting you all at the next Chapter Meeting; remember your first chapter meeting is free!

Total Number of Members: 384

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Presenters for the 2016-2017 Chapter Year

Chesapeake ASSE is seeking presenters for Chapter Meetings during the 2016-2017 chapter year. The Chesapeake Chapter is looking for technically oriented and practical presentations that fulfill the needs of our health and safety members. Lecture, panel discussions and demonstration sessions are requested to enhance members learning opportunities.

The ASSE Chesapeake Chapter invites those interested in presenting at one of our Chapter meetings to contact: chesapeakeasse@gmail.com

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SOCIAL MEDIA REMINDER

Don't forget to also check the Chesapeake Chapter social media sites for more information. Sign up on LinkedIn.
Chesapeake Chapter ASSE Goal: The purpose of this Chapter is to promote the advancement of the safety profession and safety professionals and development of its members in the geographical area served.

The Executive Committee meets on the first Friday of each month @ 2pm to further these goals. Contact anyone below for more details, and if you would like to participate!

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**President:** Paul Esposito, CSP, CIH, paul.esposito@starconsultants.net, 410-218-8451
*Leads the meetings, and creates our messages.*

**Vice President:** Robb Altenburg, frank.r.altenburg.civ@mail.mil, 410-278-3162
*Communications and Committee Activities.*

**2nd Vice President:** Leslie York-Hubbard, Lsyork99@yahoo.com
*Membership development.*

**Treasurer:** Robert L. Lawson, Rllawson2@verizon.net
*Keeps us solvent.*

**Secretary:** Mike Wolf, MWOLF01@harris.com
*Meeting minutes.*

**Delegates:**
Bill Sapero, bsapero@kimballcc.com
Jerome Yoon, Jerome.Yoon@redcross.org
*Delegates represent us to ASSE National.*

**Past President:** Craig Lowry, CSP, craigdonlow@yahoo.com
*Keeps us on track.*
Specific committees and their chairs are listed below. Please offer your support if you are interested!

**Nominations & Elections**: Craig Lowry, CSP, craigdonlow@yahoo.com

**Programs Chair**: Patrick Wheltle, Pat0814@comcast.net  
*Develops speaker and locations for monthly meetings.*

**Government Affairs Chair**: Rose Overturf, rose.m.overturf.civ@mail.mil  
*Keeps us up to date on legislative issues. Now posted on the website!*  

**Scholarship & Awards Chair**: Barbara Jo Ruble, QEP, CPEA, bruble@stcnv.com  
*Coordinates the solicitation of nominations, selection of recipients, and awards presentations.*

**WISE Liaison**: Jeanne Sherwood, jpsherwood@welladvantage.com  
*Women in Safety Engineering (WISE) is a common interest group which has been established to foster the advancement of women in the SH&E profession.*

**Membership Chair**: Mary Smith, masmith@ceiwc.com  
*Welcomes new members, solicit ideas for member participation.*

**Newsletter Chair**: Laura Wickersham, newsletter@chesapeake.asse.org  
*Does a great job of keeping us informed.*

**Communications**: Jerome Yoon, Jerome.Yoon@redcross.org  
*Coordinates web updates. We welcome participants with web and social media skills!*

**Professional Organization Liaison**: Jim Lewis, jlewis@mde.state.md.us

**PDC Co-Chairs**:  
Jim Lewis, jlewis@mde.state.md.us  
Mary Doyle, mdoyle@jhsph.edu  
Robert L. Lawson, Rllawson2@verizon.net  
Joseph Opauski, Joseph.Opauski@ngc.com

**PDC Vendors**: Mike Ginther, CSP, Mike.Ginther@jhuapl.edu, 443-778-6454  
*PDC is set for April 6, 2017. Speakers, vendors, events, etc!*
You are receiving this email because you are a member of the ASSE Chesapeake Chapter.

Our mailing address is:
ASSE
PO Box 8104
Elkridge, MD 21075