



AMERICAN INDUSTRIAL HYGIENE ASSOCIATION



Pittsburgh Local Section Newsletter May/June 2016

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Upcoming AIHA Pittsburgh Events:



Thurs. June 30, 2016 -11:15 AM - 3:30 PM

Sunoco Logistics Presentation and Facility Tour - Delmont, PA

"Natural Gas Liquids - Bringing the Marcellus to the World"

Presented by: Pittsburgh AIHA President-Elect Dennis P. Kelly, Senior Specialist – Health and Safety - Sunoco Logistics Partners LP. Note that we have reached the 30 person limit on the facility tour portion of this event. If you would like to attend the lunch and presentation, please register online <http://www.pittsburghaiha.org/june-30-2016---sunoco-tour.html>. Cost is \$20 Members/Students, \$25 Non-members.



Thurs. July 14, 2016 - 11:30 AM - 2:00 PM

AIHA Pittsburgh - Summer Business Meeting

The Executive Committee will hold their annual Summer Business Meeting at Aracri's Greentree Inn - Pittsburgh, PA. All members are invited and encouraged to attend - member input is always welcome at this planning meeting. Topics to discuss include a review of the 2015-2016 Program and planning for remaining 2016 through 2017 Program. Treasurer's and Secretary's Reports are also presented. The full agenda will be available on our website. Please register online before July 12, 2016

<http://www.pittsburghaiha.org/july-14---summer-business-meeting.html>.



Save The Date: Wed. Oct. 12, 2016

Industrial Scientific Facility Tour

Industrial Scientific recently moved their headquarters to a brand new 200,000+ square ft. facility located in Robinson Twp. The Pittsburgh AIHA has been invited to tour this award-winning, state-of-the-art facility, which houses the company's core services from customer service to manufacturing. The event details are still being finalized, but most likely a 1/2-day (8:30 AM - 11:30 AM) event that includes continental breakfast, presentation, tour. Stay tuned for more information in the coming weeks.

Member News

Welcome to new Pittsburgh AIHA Student Member Ashlyn Landgraf, a Senior in the B.S. Safety, Health, and Environmental Applied Sciences program at Indiana University of Pennsylvania. Ashlyn will graduate in August 2016 upon the completion of her internship at FedEx Ground (PGH). Ashlyn noted that upon entering the safety field, industrial hygiene caught her attention. With a previous B.S. in Nuclear Medicine Technology, contributing to the health and well-being of other individuals has always been a top priority in her career goals. Ashlyn's previous experiences in the health field, combined with her new education in safety, will allow her to make the most of her education while pursuing her career goals.

Welcome to new Pittsburgh AIHA Member Russ Grooms, Sr. Safety Coordinator - Midstream Construction for EQT Corporation. Russ has a Master's degree in Business Administration, a BS in Environmental Engineering, and AS in Controls and Instrumentation. He has over 25 years of experience in the construction, maintenance, and operations of oil refineries and petrochemical plants (shutdowns and turnarounds). Russ has provided top level services in the metal powder industry, nuclear industry, and natural gas construction/operations. He is a API 1169 Certified Pipeline Inspector and is looking forward to obtaining his CIH credentials.

(Member News - Continued from page 1)

Congratulations to 2016 Pittsburgh AIHA Local Section Scholarship recipient Dana Marie Piper, a student at Indiana University of Pennsylvania and Pgh. Local Section student member. Dana was grateful for this award and recently submitted the following thank you note to the AIHF and Pittsburgh AIHA:



AIHF Board of Trustees and Donors,

I am honored to be a recipient of the American Industrial Hygiene Foundation Scholarship and thank you for your generous support. This will further assist my education at Indiana University of Pennsylvania and to lead to my pursuit in the industrial hygiene profession. As chosen by the Pittsburgh Local Section, I strive to encourage others interested in the field and to help promote industrial hygiene in the western Pennsylvania area. I will work to advance the profession by eliminating and solving health and safety problems. As always, my goal is to ultimately protect worker health and safety.

Sincerely, Dana M. Piper

Congratulations to Stan Liang, CIH, CSP who recently accepted a position at Golder Associates as Senior Project Industrial Hygienist. Stan has been a member of the Pittsburgh AIHA for 18 years and recently served as Director. Stan

National AIHA Presents - Body of Knowledge (BoK) Resources

(Source: National AIHA Website - aiha.org)

AIHA® and its appointed members and volunteers worked collaboratively to develop the technical framework, known as the Body of Knowledge (BoK), which outlines the knowledge and skills a competent person should possess and be able to demonstrate in a specific topic or specialty. Currently, AIHA's BoK consists of the titles shown below, with more in development.

[Download free copies of these resources:](#)

- **IAQ/IEQ Practitioners** -This first-of-its-kind resource provides indoor air quality practitioners and employers with a compendium of knowledge and practicum as recommended by a joint panel of AIHA and IAQA experts.
- **Respiratory Protection Program Administration and Fit Testing** - This invaluable resource provides Respiratory Protection Program Administrators (RPPAs) and respiratory fit testers a framework for developing training programs and skill assessments.
- **Business Value Presentation** - This invaluable resource provides a framework for properly develop education programs and skill assessment tools to aid in promoting interventions, as well as demonstrate effective business cases to reduce or eliminate adverse exposures.
- **Field Use of Direct-Reading Instruments for Detection of Gases and Vapors** - This comprehensive summary is necessary for competent field use of DRIs in the detection and monitoring of gases and vapors.
- **Understanding How ARECC Works within Occupational Exposure Assessment** - This BoK establishes the core knowledge elements of the industrial hygiene process in harmony with the convention of Anticipate, Recognize, Evaluate, Control, and Confirm (ARECC).

Visit the webpage at: <https://www.aiha.org/publications-and-resources/BoKs/Pages/body-of-knowledge.aspx>



National AIHA Topics of Interest (Source: National AIHA Website - aiha.org)



Whether you are looking for information on a specific topic such as Biological Monitoring, or various hazards / industries like Ergonomics and Manufacturing, check out the [AIHA's "Topics of Interest" webpage](#) listing the most relevant content on a variety of topics, hazards or industries of interest. Links are provided to topic pages that include an extensive listing with links to related industry news, AIHA news and press releases, articles, and AIHce abstracts. This is a valuable resource for any IH/Safety professional!

In addition, there are links to the AIHA's comprehensive resource centers for [Formaldehyde](#) and [Mold](#). These pages include a wealth of information, such as fact sheets, guidance documents, standards, reference documents, etc.

Leadership Development - Be a Better Leader! Online Learning Modules to Improve Your Skills

(Source: National AIHA Website - aiha.org)

Leaders help both themselves and others do the right things, often at the right time in the right place. They create an inspiring vision of the future, motivate people to engage that vision, manages its delivery, and builds their team to effectively achieve that vision in full.

Great leaders rely on their leadership skills to bring it all together. Leadership is how a leader maps out where a team or organizations needs to go in order to "win" or achieve their goals. In its rawest form, leadership is dynamic, inspiring, and exciting.

We can all be better leaders through deepening our understanding of leadership. At AIHA, service is at the core of effective leadership - be it your AIHA Local Section, a volunteer committee, the national board, even in your workplace.

The following modules (<https://www.aiha.org/get-involved/leadership-development/Pages/Leadership-Development.aspx>) have been prepared for both current and aspiring AIHA leaders. They will define leadership in the context of the Association, introduce you to various leadership positions, and help you self-assess your own leadership skills and style.

Module 1 VOLUNTEERING -
On the Path to Leadership

Module 2 TAKING THE LEADERSHIP REINS -
Being a Volunteer Group Leader

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- » Quality Control
- » Materials R&D



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New Resource For OEHS Professionals the SynergistNOW Blog

(Source: National AIHA Website - aiha.org)

The newest member of the *Synergist* family was created for experienced IH/OHs, researchers, academics, and AIHA leaders to bring you the ideas and insights most relevant to OEHS professionals.

What is it about? You'll get the human perspective of the OEHS profession, from behind-the-scenes views to education opportunities to discussions and viewpoints on controversial topics.

Who can subscribe to the blog? Anyone with an interest in the OEHS field is welcome to subscribe! You do not have to be an AIHA member, so go ahead and pass it on to your colleagues. But even members must subscribe! Visit the blog to subscribe.

How often will new content be published? You'll receive a new post each week. With easy e-mail sign-up or RSS feed subscription, YOU'RE in control of how you receive content.

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If You Think Washington is Unresponsive Now, Just Wait Until January!

(Source: [SynergistNOW](#) - Washington Insider, By Aaron Trippler)

We are witnessing an election year like no other. And if you think this is something, wait until we get closer to November, or January, when a new administration comes to Washington. But until then, we still have some issues to deal with in occupational safety and health.

Most stakeholders are following only three issues at OSHA. The first is the recently finalized silica rule. It looks like there will be several attempts to stop the rule; already, several lawsuits have been filed by both industry and labor. But the real threat to the rule will come from Congress. No, I don't think Congress has the votes to override the rule through the Congressional Review Act, but I believe there will be an attempt to place a rider on the OSHA budget that would ban OSHA from spending any money to enforce the rule—essentially killing it. The House GOP succeeded in placing a rider on last year's budget, but the ban was not included in the final appropriations bill. Look for another attempt this year, even though it will be very difficult for the Republicans to put this rider in place.

The second issue is beryllium. While there is considerable talk that OSHA will finalize this rule before the end of the Obama administration, don't bet on it. Time is running out. Many thought that mid-May was the deadline to finalize any agency rules before the election calendar comes into play. And since the Obama Administration included finalizing the beryllium rule in its FY17 budget proposal, I just don't see this happening this year.

Now, while there are several other pending issues at OSHA, I don't believe anything more will come from the agency this year. That means the third and final issue we are concerned with is the FY17 federal budget. So far, we are in the early stages of the budget calendar with the president's proposal the only one that has been forthcoming. The House and the Senate are both in the process of working on their proposals. The president's proposed budget for OSHA in FY17 is \$595 million, a nice increase over the existing spending of \$552.8 million. However, this proposal is essentially "dead on arrival" as there is no way Congress will provide OSHA with that kind of increase. What I see with the OSHA budget is perhaps a very slight increase of perhaps \$5 million over existing spending, but don't the farm on it. As a matter of fact, the OSHA budget of today is \$12 million less than the OSHA budget of 2012.

So what about Congress and the presidency? I would be a fool to try to guess what will happen with the presidential election, but I can provide my take on Congress. I believe the House will remain in control of the Republicans as the Democrats would have to pick up some 30 seats to take control. I just don't see that happening. Had you asked me six months ago I would have said the Senate would remain in control of the Republicans as the Democrats were unlikely to pick up the needed 5 seats to take control. Today, the Senate is in play! Much of what happens in the Senate will depend on the presidential election, so keep your eyes on this.

What does all of this mean? It will be another tough four years to accomplish things at OSHA as I believe we will once again see power split between the two parties. But not to worry: remember that sometimes it makes little difference what OSHA or Congress does or does not do as workers will still be protected because of the thousands of professionals in occupational safety and health. That's what makes it easier to go to sleep at night.





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Fit Testing

To conduct fit testing, we use the OHD Quantifit to measure exact leakage into the breathing zone of the respirator facepiece. The test is comprehensive and concise. Our operation is completely mobile and we can provide convenient and cost effective service at any location. These services are designed to assist customers with total compliance to the OSHA Respiratory Protection Standard.

How The Quantifit Works.

During a fit test, the respirator inlets are capped with test adapters, and the inhalation valves are removed from the mask. With the test subject holding his or her breath for no more than ten seconds, the Quantifit then establishes and maintains a slight vacuum, or controlled negative pressure, inside the mask. Since the respirator inlets are sealed, all sources of leakage into the mask are through the face-to-facepiece seal. The volume of air drawn out of the mask by the Quantifit during this short period of time is equal to the leak rate into the mask through the face-to-facepiece seal. It's that simple...



Fit Test Adapters

Are necessary to interface between the respirator and the fit tester. Adapters connect where the APR cartridges or SCBA air hose connects to the respirator. Premier Safety can provide you with the necessary adapters for some of the industry's top manufacturer's respirators including 3M, Dräger, Scott, MSA, North Safety, Survivair, and many more.

New Resource for OSH Professionals Helps Advance Worker Safety and Health Through Sustainability

(Source: [OSHA QuickTakes](#) Newsletter)



Best Practice Guide for Occupational Health and Safety in Sustainability Reports

Over the last several years, businesses have made sustainability a key part of their growth strategy. While most of the focus has been on environmental issues, attention is now turning to other aspects of sustainability, including occupational safety and health. This shift presents new opportunities for OSH professionals to advance the protection of workers. The Center for Safety and Health Sustainability has released a Best Practice Guide for Occupational Health and Safety in Sustainability Reports, which outlines a framework that can be used to incorporate occupational health and safety metrics into sustainability reporting practices. The guide was developed through a collaborative process that included some of the world's largest OSH professional organizations and represents standards of performance which are already accepted, understood, and operationalized by those managing safety and health at work. By using this guide to engage with business leaders OSH professionals can take a critical step in improving occupational safety and health performance and, ultimately, preventing worker injuries, illnesses and fatalities. For more information, read [CSHS's news release](#) found at <http://www.centershhs.org/press-releases/metrics-to-advance-standardized-reporting-06-03-2016.php>.



Indiana University of Pennsylvania

SAFETY SCIENCES ANNUAL CAREER FAIR

Safety Sciences will host its annual Safety Sciences Career Fair on **Thursday, October 13, 2016**, at the Kovalchick Convention and Athletic Complex. The fair will run from 1:00–4:00 p.m. Companies may schedule interviews Thursday evening from 5:00–9:00 p.m. and from 8:00 a.m.–4:30 p.m. on Friday, October 14. All interviews will take place at the KCAC.

Career Fair: Thursday, October 13, 1:00–4:00 p.m.

Interviews: Thursday, October 13, 5:00-9:00 or
Friday, October 14, 8:00 a.m.–4:30 p.m.

All sophomore, junior, and senior Safety Sciences students who are looking for co-ops, internships, or full-time employment are urged to attend.

Registration fee: \$325 for two recruiters, \$50 for each additional recruiter

(Note: Fee is for the Safety Sciences Career Fair only; we are not part of the IUP Career Expo.)

For More Information - Visit the Website at:

<http://www.iup.edu/safetysciences/events/career-fair/>

COLLEGE OF HEALTH AND HUMAN SERVICES

Safety Sciences Department
Johnson Hall, Room 117
1010 Oakland Avenue
Indiana, PA 15705
Phone: 724-357-3017
Fax: 724-357-3992

Office Hours
Monday through Friday
8:00 a.m. – 12:00 p.m.
1:00 p.m. – 4:30 p.m.

Recent Job Opportunities:

[Corporate Health, Safety and Environmental \(HSE\) Manager - American Bridge Company - Coraopolis, PA](#)

The Health, Safety, and Environmental (HSE) Manager will be responsible to create and sustain a productive work culture and safe work environment in order to avoid and minimize HSE related problems. These problems include but are not limited to human injury, environmental degradation and unsafe working conditions/practices. This is done through health, safety and environmental training, programs, and processes with a visible and uncompromised commitment to the protection of the environment as well as the productivity of the Company's employees.

[EHS Manager - US Stores - PPG Industries - Cranberry](#)

Implements and maintain Environmental Health and Safety (EHS) processes to meet compliance with federal, state, corporate, and local standards within our US Stores operations. Drive continuous performance improvement to protect people, assets, the environment and the business. The incumbent must establish an understanding of customer needs and a methodology to improve the company's processes to meet the EHS needs. This will require developing robust business relationships with key customers and key stakeholders both inside and out of the company. (EHS Responsibility for the entire United States stores network across four zones with approximately 700 stores).

[Division Safety Coordinator - Gordon Food Service - Imperial, PA](#)

The Safety Coordinator manages, delivers, monitors, and audits all established safety and accident prevention programs to ensure effective training and compliance standards are in place.

New OSHA Injury and Illness Recordkeeping and Reporting Requirements

(Source: OSHA.gov/recordkeeping)

On May 12, 2016, OSHA issued a final rule to revise its Recording and Reporting Occupational Injuries and Illnesses regulation (29 CFR 1904) as outlined below. There is a extensive information on OSHA's website related to the new requirements including a Recordkeeping Webpage, a [Fact Sheet](#), training modules and presentations, [and all the necessary Forms](#).



Why is OSHA issuing this rule? This simple change in OSHA’s rulemaking requirements will improve safety for workers across the country. One important reason stems from our understanding of human behavior and motivation. Behavioral economics tells us that making injury information publicly available will “nudge” employers to focus on safety. And, as we have seen in many examples, more attention to safety will save the lives and limbs of many workers, and will ultimately help the employer’s bottom line as well. Finally, this regulation will improve the accuracy of this data by ensuring that workers will not fear retaliation for reporting injuries or illnesses.

What does the rule require? The new rule, which takes effect Jan. 1, 2017, requires certain employers to electronically submit injury and illness data that they are already required to record on their onsite OSHA Injury and Illness forms. Analysis of this data will enable OSHA to use its enforcement and compliance assistance resources more efficiently. Some of the data will also be posted to the OSHA website. OSHA believes that public disclosure will encourage employers to improve workplace safety and provide valuable information to workers, job seekers, customers, researchers and the general public. The amount of data submitted will vary depending on the size of company and type of industry.

Anti-retaliation protections - The rule also prohibits employers from discouraging workers from reporting an injury or illness. The final rule requires employers to inform employees of their right to report work-related injuries and illnesses free from retaliation; clarifies the existing implicit requirement that an employer’s procedure for reporting work-related injuries and illnesses must be reasonable and not deter or discourage employees from reporting; and incorporates the existing statutory prohibition on retaliating against employees for reporting work-related injuries or illnesses. These provisions become effective August 10, 2016.

Compliance schedule - The new reporting requirements will be phased in over two years:

Establishments with 250 or more employees in industries covered by the recordkeeping regulation must submit information from their 2016 Form 300A by July 1, 2017. These same employers will be required to submit information from all 2017 forms (300A, 300, and 301) by July 1, 2018. Beginning in 2019 and every year thereafter, the information must be submitted by March 2.

Establishments with 20-249 employees in certain high-risk industries must submit information from their 2016 Form 300A by July 1, 2017, and their 2017 Form 300A by July 1, 2018. Beginning in 2019 and every year thereafter, the information must be submitted by March 2.

OSHA State Plan states must adopt requirements that are substantially identical to the requirements in this final rule within 6 months after publication of this final rule.



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Other Resources and Interesting Stuff

Thanks to Cindy Baldwin, CIH and the [Iowa-Illinois Local Section AIHA](#) for compiling this list of resources and sharing this with the Pittsburgh AIHA -- Information provided below was presented in their latest newsletter ([June 2016](#)).



Indoor Air Quality

⇒ Your Office Air Is Killing You, Newsweek 6/2/16. Article is about inexpensive sensors that can be used to identify IAQ issues. <http://www.newsweek.com/2016/06/10/indoor-air-pollution-revolution-465531.html>

Nanotechnology

⇒ Supporting Responsible Development of Nanotechnology - Recent reports highlight the continued Federal commitment to understanding and managing the environmental, health, and safety aspects of nanotechnology. <https://www.whitehouse.gov/blog/2016/04/11/supporting-responsible-development-nanotechnology>

NIOSH

⇒ PPE-INFO Database - PPE-Info is a comprehensive tool that connects standard developers, manufacturers, purchasers, and end users to relevant personal protective equipment standards and regulations. <http://www.cdc.gov/niosh/docs/2016-134/>

- The PPE-Info database serves as a compendium of Federal regulations and consensus standards for Personal Protective Equipment (PPE).
- The PPE-Info database is comprised of regulations and standards for respiratory and non-respiratory occupational PPE.
- Standards information was attained from the U.S. Government, American National Standards Institute, accredited standards development organizations, and the International Organization for Standardization (ISO) when applicable nationally.

⇒ Latest Edition of NIOSH Manual of Analytical Methods (NMAM) Now Available - <http://www.cdc.gov/niosh/nmam/>

Noise

⇒ Hearing Impairment Among Noise-Exposed Workers — United States, 2003–2012 http://www.cdc.gov/mmwr/volumes/65/wr/mm6515a2.htm?s_cid=mm6515a2_x

Other Interesting Stuff

⇒ Report of Partial findings from the National Toxicology Program Carcinogenesis Studies of Cell Phone Radiofrequency Radiation in Hsd: Sprague Dawley® SD rats (Whole Body Exposure). The US National Toxicology Program (NTP) has carried out extensive rodent toxicology and carcinogenesis studies of radiofrequency radiation (RFR) at frequencies and modulations used in the US telecommunications industry. This report presents partial findings from these studies. <http://biorxiv.org/content/early/2016/05/26/055699>

Related news articles -

- <http://www.cnet.com/news/9-things-you-should-know-about-that-recent-cell-phonecancer-link-study/>
- <http://www.scientificamerican.com/article/major-cell-phone-radiation-study-reignites-cancer-questions/>
- <http://arstechnica.com/science/2016/05/study-that-found-cell-phones-cause-cancer-in-rats-is-riddled-with-redflags/>
- <http://www.wsj.com/articles/cellphone-cancer-link-found-in-government-study-1464324146>