Spray polyurethane foam (SPF) insulation is used as thermal insulation for residential and commercial buildings. It has many advantages over other forms of insulation; however, concerns have been raised related to chemical emissions during and after application. The American Chemistry Council's (ACC's) Center for the Polyurethanes Industry (CPI) has gathered previously unpublished industrial hygiene air sampling studies submitted by member companies that were completed during an eight year period from 2007 to 2014. These studies address emissions from medium density closed cell and low density open cell formulations. This paper summarizes the results of personal and area air samples collected during application and post application of SPF to interior building surfaces in both laboratory and field environments. Chemicals of interest included: Volatile Organic Compounds (VOCs), methylene diphenyl disocyanate (MDI), flame retardants, amine catalysts, blowing agents, and aldehydes. Overall, the results indicate that SPF applicators and workers in close proximity to the application are potentially exposed to MDI in excess of recommended and governmental occupational exposure limits and should use personal protective equipment (PPE) consisting of air supplied respirators and full body protective clothing to reduce exposure. Catalyst emissions can be reduced by using reactive catalysts in SPF formulations, and mechanical ventilation is important in controlling emissions during and after application.

Read more: Journal of Occupational and Environmental Hygiene
Accepted author version posted online: 13 Jun 2017 (Available with an AIHA membership)
Sunlight Surprise Raises Cadmium Pollution Risk

Even though cadmium is considered a probable human carcinogen by the U.S. Environmental Protection Agency, it is still used to give some plastics and ceramics red, orange, or yellow hues. That’s because organic pigments are unstable at the high temperatures used to make these products, and pigments like cadmium red are thought to be relatively inert in the environment on account of their reportedly low solubility in water.

Read more:  

NIOSH Study Finds Widespread Use of Patient Nasal Scavenging Masks to Control Nitrous Oxide during Dental Procedures but Adherence to Other Recommended Practices Was Lacking

A new article from the National Institute for Occupational Safety and Health (NIOSH) found that scavenging systems, equipment used to prevent nitrous oxide gas from escaping into the dental operatory, are widely used but
adherence to other recommended precautionary practices was lacking during dental procedures. This article was published in the June issue of the Journal of Occupational and Environmental Hygiene and is available online. Results are derived from the 2011 NIOSH Health and Safety Practices Survey of Healthcare Workers, the largest federally-sponsored survey of healthcare workers in the U.S., which addresses safety and health practices relative to hazardous chemicals. This web-based survey is one of the first to examine adherence to precautionary practices among dental practitioners who administered nitrous oxide to adult and pediatric patients.

Read more: https://www.cdc.gov/niosh/updates/upd-06-13-17.html

Fentanyl: Preventing Occupational Exposure to Emergency Responders

Fentanyl and its analogs pose a potential hazard to law enforcement, public health workers, and first responders who could unknowingly come into contact with these drugs in their different forms. Police working dogs are also at risk of exposure. Possible exposure routes vary based on the source of the fentanyl. While dermal absorption of fentanyl commonly occurs through prescribed use of the drug, inhalation of powder is the most likely exposure route for illicitly-manufactured fentanyl. Inhalation exposure can quickly result in respiratory depression. Law enforcement personnel may come into contact with these drugs on the street during the course of law enforcement activities.

Read more: https://www.cdc.gov/niosh/topics/fentanyl/risk.html
Developing a Water Management Program to Reduce *Legionella* Growth and Spread in Buildings

Many buildings need a water management program to reduce the risk for *Legionella* growing and spreading within their water system and devices. This toolkit is designed to help people understand which buildings and devices need a *Legionella* water management program to reduce the risk for Legionnaires’ disease, what makes a good program, and how to develop it.

*Read more: [https://www.cdc.gov/legionella/maintenance/wmp-toolkit.html](https://www.cdc.gov/legionella/maintenance/wmp-toolkit.html)*

Assessing Hydrogen Peroxide Vapor Exposure from Hospital Sterilizers

This study examined the hydrogen peroxide concentrations measured near four models of hydrogen peroxide sterilizers, from two manufacturers, monitored in seven hospitals across the US and Canada over several years. The results showed that the majority of sterilizers do not emit hazardous levels of hydrogen peroxide and none of them exceeded the OSHA PEL of 1 ppm (8 hour time weighted average (TWA)), however several of the sterilizers exceeded 3 ppm, the short term exposure limit in a couple of states, Washington and Hawaii. One hospital found brief concentrations of 25 to 40 ppm hydrogen peroxide from four hydrogen peroxide sterilizers each time they opened the sterilizer at the end of its cycle. Though not exceeding the OSHA PEL, these exposures are of concern since this concentration is roughly half the NIOSH IDLH of 75 ppm, and operators in a busy hospital environment may receive these exposures multiple times a day.

*Read more: Journal of Occupational and Environmental Hygiene Accepted author version posted online: 21 Jun 2017 (Available with an AIHA membership)*
Scrutiny Intensifies Over Safety Concerns at US Nuclear Weapons Lab

The safety record at the US laboratory that created the atomic bomb is facing intensifying criticism as work ramps up to produce a key component for the nation’s nuclear weapons cache.

A series published this week by the Center for Public Integrity cites numerous internal reports and other documents outlining federal regulators’ concerns about safety lapses at Los Alamos National Laboratory over the years, including spilled plutonium and workers positioning plutonium rods in a way that could have been disastrous.

Read more:

Performance Evaluation of Mobile Downflow Booths for Reducing Airborne Particles in the Workplace

Compared to other common control measures, the downflow booth is a costly engineering control used to contain airborne dust or particles. The downflow booth provides unidirectional filtered airflow from the ceiling, entraining released particles away from the workers’ breathing zone, and delivers contained airflow to a lower level exhaust for removing particulates by filtering media. In this study, we designed and built a mobile downflow booth that is capable of quick assembly and easy size change to provide greater flexibility and particle control for various manufacturing processes or tasks. An experimental study was conducted to thoroughly evaluate the control performance of downflow booths used for removing airborne particles generated by the transfer of powdered lactose between two containers. Statistical analysis compared particle reduction ratios obtained from various test conditions including booth size (short, regular, or extended), supply air...
velocity (0.41 and 0.51 m/s or 80 and 100 feet per minute, fpm), powder transfer location (near or far from the booth exhaust), and inclusion or exclusion of curtains at the booth entrance. Our study results show that only short-depth downflow booths failed to protect the worker performing powder transfer far from the booth exhausts. Statistical analysis shows that better control performance can be obtained with supply air velocity of 0.51 m/s (100 fpm) than with 0.41 m/s (80 fpm) and that use of curtains for downflow booths did not improve their control performance.

Read more: Journal of Occupational and Environmental Hygiene Accepted author version posted online: 23 Jun 2017 (Available with an AIHA membership)

**PPE**

**“Inconsistent Enforcement of New OSHA Fall Rule Feared”**

#FallProtection

Employers fear inconsistent enforcement of an OSHA rule allowing some work to be done without ordinarily required fall protection because key terms are not defined.

The Occupational Safety and Health Administration’s updated fall protection rule, which went into effect Jan. 17, allows certain activities to be done without fall protection systems as long as the work is “temporary and infrequent.” However, the agency has not yet provided guidance on what that means and how it will be enforced, leaving employers uncertain about what is expected of them.

Environmental Exposures to Lead, Mercury, and Cadmium and Hearing Loss in Adults and Adolescents: KNHANES 2010–2012

Hearing loss is a commonly experienced chronic disorder throughout the world. Although hearing loss is common even in young adults and school-age children, it is highly prevalent in older adults (Agrawal et al. 2008; Shargorodsky et al. 2010). Hearing loss can affect communication and can therefore lead to a reduced quality of life and to a loss in economic activity (Agrawal et al. 2008). In adolescents, even slight hearing loss can lead to poor development of communication skills and psychological function and can thus lower educational achievement (Anderson 1992; Northern and Down 2002).

A growing body of evidence from in vitro and animal studies has demonstrated ototoxic effects of lead, cadmium, and mercury; possible underlying mechanisms of their ototoxic effects include oxidative stress through depletion of glutathione and protein-bound sulfhydryl groups and related reductions in blood flow and lipid peroxidation in the cochlea, leading to latency in auditory nerve conduction and to an elevation of auditory thresholds (Park 2015; Prasher 2009).

Read more: https://ehp.niehs.nih.gov/ehp565/

Summer Activities Could Cause Exposure to Hazardous Noise Levels

The birds are chirping. The sun is shining. Your lawn is green and lush, which means it’s time for a cut. The roar of the lawnmower brings about the first sign of summer fun, but it also is one of the many instances during the season that a person is exposed to hazardous noise.

Citing new research, Ball State University audiologists are warning people to use hearing protection during activities that may expose them to hazardous noise this
summer such as mowing the lawn, concerts and fireworks.

Read more:


Preventive Medicine

Researchers Use Light to Manipulate Mosquitoes

Scientists at the University of Notre Dame have found that exposure to just 10 minutes of light at night suppresses biting and manipulates flight behavior in the Anopheles gambiae mosquito, the major vector for transmission of malaria in Africa, according to new research published in the journal Parasites and Vectors. Critical behaviors exhibited by the species, such as feeding, egg laying and flying, are time-of-day specific, including a greater propensity for nighttime biting. A recent report from the World Health Organization stated an estimated 212 million people worldwide are infected with the disease, resulting in 429,000 deaths – mostly children.

Read more:


Legionnaires' Cases among Newborns Raise Questions about Water Births

Cases of Legionnaires' disease have been documented at hotels, gyms and even health care facilities, but a recent report from the Centers for Disease Control and Prevention finds that even newborns are being infected -- after water births.
In two cases in Arizona last year, babies born in home tubs contracted the disease. Legionnaires' disease is a bacterial form of pneumonia. Symptoms can include fever, chills, cough and headaches. Named after an outbreak at a 1976 convention of the American Legion, it is spread through contaminated water but not person to person.

Read more:  

Michigan Officials Charged In Flint Legionnaires' Outbreak

Several Michigan state officials, including some who reported to Gov. Rick Snyder, have been charged with involuntary manslaughter in connection with a Legionnaires' outbreak that killed 12 people during the Flint water crisis, the Michigan attorney general's office said Wednesday.

Charges were announced for five state and city officials, including Nick Lyon, the current director of the Michigan Department of Health and Human Services. Former Flint emergency manager Darnell Earley, who had previously been charged, also now faces involuntary manslaughter, along with three other lower-ranking officials, according to the attorney general's office.

Read more:  

Coughs and Sneezes Could Spread Up to 4 Meters; Bacteria Remain Alive in the Air for 45 Minutes

A new study indicates that the bacteria in airborne diseases such as colds and flu could spread up to 4 meters and stay alive in the air for 45 minutes. With this finding, the researchers could find the new
treatment for infections and treatment of people with cystic fibrosis.
The research was led by scientists from the Queensland University of Technology and The University of Queensland (UQ).
Professor Lidia Morawska, the lead author of the study and the Director of the International Laboratory for Air Quality and Health, said that the research examines the longevity of airborne *Pseudomonas aeruginosa* bacteria, which are a multi-drug-resistant germ linked with hospital-acquired infections when they are discharged by human coughs and sneezes.


### Baby Teeth Link Autism and Heavy Metals Exposure

Baby teeth from children with autism contain more toxic lead and less of the essential nutrients zinc and manganese, compared to teeth from children without autism, according to an innovative study funded by the National Institute of Environmental Health Sciences, NIEHS, part of the National Institutes of Health.
The researchers studied twins to control genetic influences and focus on possible environmental contributors to the disease.


### Latest Figures Show Professions with Highest Risk of Suicide

Figures from the Office for National Statistics (ONS) have for the first time revealed which professions have the highest risk of suicide.

Suicides are less common among women than men, the ONS concluded. For women, occupations with a high risk of suicide
included nurses (23% above the national average), primary school teachers (42% above average), and those working in culture, media and sport (69% above average).

For men, low-skilled labourers in construction had a risk that was three times higher than the average for England. Men working in skilled construction jobs also had an increased risk.

Both male and female care workers have a risk of suicide that was almost twice the national average, said ONS.


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**Environmental Health**

**Deadly Heat Waves Could Endanger 74% of Mankind by 2100, Study Says**

A new online tool explores the number of days per year in places worldwide when heat is likely to exceed a deadly threshold if nothing is done about climate change.

Deadly heat waves—already a risk for 30 percent of the world’s population—will spread around the globe, posing a danger for 74 percent of people on Earth by the end of this century if nothing is done to address climate change, according to a new study.

Nearly as alarming, the researchers project that even if greenhouse gases are aggressively reduced, at least 48 percent of the population will still face deadly heat waves by 2100 because of the amount of long-lived heat-trapping gases that already have accumulated in the atmosphere.

Trump Administration to Propose Repealing Rule Giving EPA Broad Authority over Water Pollution

President Trump’s administration will revoke a rule that gives the Environmental Protection Agency broad authority over regulating the pollution of wetlands and tributaries that run into the nation’s largest rivers, EPA Administrator Scott Pruitt said Tuesday.

Testifying before Congress, Pruitt — who earlier said he would recuse himself from working on active litigation related to the rule — said that the agency would “provide clarity” by “withdrawing” the rule and reverting standards to those adopted in 2008.


Air Pollution & Dust Cuts Solar Cell Energy Output by Over 25% in Some Parts of the World, Study Finds

A new study has now quantified the solar cell energy output loss occurring around the world as a result of air pollution and dust — bringing one of the most serious limitations of solar photovoltaic reliance in the more polluted parts of the world to the forefront, and giving us a better view of what exactly is going on.

Going by the new study, solar cell output in some parts of the world is cut by over 25% as a result of airborne particles (particulate air pollution) and dust.

The regions that are the most affected according to the study are also some of
those that have installed the most solar photovoltaic (PV) capacity in recent years: India, China, and parts of the Middle East.


Air Pollution Limits in U.S. Inadequate to Prevent Deaths

With the Trump Administration threatening to loosen air pollution controls, a new study is showing that even existing rules are causing tens of thousands of extra deaths in the United States each year. Researchers used 12 years of data - health records from nearly 61 million Medicare beneficiaries, combined with a massive databank of pollution readings - to link specific air quality levels to death rates. They found that for every increase of just 10 micrograms in small-particle pollution known as PM2.5, the death rate went up 7.3 percent. That's the equivalent of 120,000 fatalities among people age 65 and older, lead author Qian Di of the Harvard T.H. Chan School of Public Health in Boston told Reuters Health in a telephone interview.


Musculoskeletal Screening in the Workplace

Screening employees for musculoskeletal problems can help detect issues and educate employees about how to reduce the impact. A case study shows there are bottom-line benefits for employers too. Musculoskeletal (MSK) screening packages are designed to proactively screen
employees and identify predisposing factors that could contribute to musculoskeletal disorders and general health conditions. This approach aims to engage the workforce into taking responsibility for their own health, and helps to reduce the potential impact on employee wellbeing and work ability.

Read more: http://www.personneltoday.com/hr/musculoskeletal-screening-workplace/

Safety

NIOSH and OSHA Introduce Improved Heat Safety App for Outdoor Workers

An updated app for smart phones and other mobile devices can help workers stay safe when working outdoors in hot weather. The free app was redesigned by CDC’s National Institute for Occupational Safety and Health (NIOSH), along with the U.S. Department of Labor’s Occupational Safety and Health Administration (OSHA). The OSHA-NIOSH Heat Safety Tool mobile app, for iOS and Android devices, determines heat index values – a measure for how hot it feels – based on temperature and humidity. Workers exposed to hot and humid conditions, including construction workers, landascapers, farmers, and others, are encouraged to use the app to check weather conditions if they will be outdoors for short or long periods during the summer heat.

Read more: https://www.cdc.gov/media/releases/2017/p0606-niosh-osha-apps.html


Functional capacity evaluation can be a critical part of assessing fitness for work, but it is not always well understood. Nicola Suckley, occupational health national accounts director at Connect Health, offers an up-to-date guide to the approach.
The term functional capacity evaluation (FCE) is used widely to describe methods for reporting on fitness for work. It is often misused or misunderstood. The aim of this article is to demystify the term FCE and in so doing provide an insight into the range of functional assessments that can be carried out by an occupational health physiotherapist. This article will also signpost to resources that guide and provide standardisation to the reporting of fitness for work.

Read more: http://www.personneltoday.com/hr/functional-capacity-evaluation-assessing-fitness-work-guide/

ICU-Room Sink Removal May Cut Bacterial Colonization

Dutch investigators found that removing sinks from intensive care unit (ICU) rooms and using a "water-free" method of care reduced patient colonization with gram-negative bacilli (GNB), according to a Jun 10 report in Antimicrobial Resistance and Infection Control.

The GNB category includes many types of medically significant bacteria, such as Salmonella, Pseudomonas, Shigella, Yersinia, and the Enterobacteriaceae family. Multidrug resistance in GNB is a growing problem in hospitals.


NIOSH and OSAP Survey Finds Private Dental Practices Lacking OSHA Bloodborne Pathogens Exposure Control Plans

Findings from a web-based survey conducted by the National Institute for Occupational Safety and Health (NIOSH) and the Organization for Safety, Asepsis and Prevention (OSAP) showed that over a quarter of private dental practices who participated in the survey did not have a
written site-specific bloodborne pathogens exposure control plan (ECP). This study is published in the June issue of the Compendium of Continuing Education in Dentistry and is available online. The paper presents information on whether private dental practices were aware of OSHA’s requirement for an ECP, had a written ECP addressing all requisite elements, and could identify barriers to implementation of an ECP. The OSHA bloodborne pathogen (BBP) standard covers all dental healthcare settings where dental healthcare personnel could be exposed to blood or certain body fluids during the performance of their job, and describes precautionary practices to protect healthcare workers from pathogens such as hepatitis B virus (HBV), hepatitis C virus (HBV) and human immunodeficiency virus (HIV). These pathogens can be transmitted from patient to dental healthcare provider or patient to patient via contact with blood or certain body fluids.

Read more: https://www.cdc.gov/niosh/updates/upd-06-07-17.html

**Raising Awareness of Safe Practices during National Safety Month**

Every June the National Safety Councils and thousands of organizations across the country work to raise awareness of what it takes to keep each other safe.

National Safety Month focuses on reducing leading causes of injury and death at work, on the road and in homes and communities. Although the military profession is high risk by virtue of its mission to protect democracy, Soldiers, family members, Department of the Army civilians and retirees are not immune to accidents that reduce mission readiness, lower morale and cost the Army in worker’s compensation costs and degrades productivity. It’s time to focus on safety, not as a priority but as an integral part of the organizational culture. According to Injury Facts 2017, about 146,571 people died from unintentional injury-related deaths in 2015. That’s 146,571 times someone’s ordinary day turned tragic.

Most American Workers Unprepared for Workplace Cardiac Emergencies

The American Heart Association is launching a new campaign that calls for training U.S. workers to respond appropriately to workplace cardiac emergencies and also for public access to AEDs, automated external defibrillators. The association announced it June 19 and released results from new surveys that indicate most American workers aren't prepared to handle these emergencies because they lack training in CPR and first aid.

Read more:
https://ohsonline.com/articles/2017/06/19/most-americans-upprepared.aspx

Emergency Preparedness & Response

HHS Unveils Updated Pandemic Flu Plan

The US Department of Health and Human Services (HHS) yesterday released a major update to its pandemic influenza plan, designed to guide preparedness activities over the next decade. The plan reflects lessons learned during the 2009 H1N1 pandemic, acknowledges preparedness gaps, and sets a broader vision that incorporates new technology and changes to healthcare delivery. In 2005, HHS released its first pandemic influenza plan, which went through interim updates in 2006 and 2009.

Read more:
http://www.cidrap.umn.edu/news-
Up to Four Major Atlantic Hurricanes Forecast for 2017

The Atlantic Ocean and Caribbean Sea could experience another above-normal hurricane season this year, according to forecasters at NOAA’s Climate Prediction Center in College Park.

Last year produced five storms that touched land, including Matthew, one of the deadliest Atlantic hurricanes on record. Matthew caused $10 billion in damage and killed 34 people in the United States and 551 in the Caribbean.

For the upcoming Atlantic hurricane season, which runs from June 1 through November 30, forecasters predict a 45 percent chance of an above-normal season, a 35 percent chance of a near-normal season, and only a 20 percent chance of a below-normal season.

Read more: http://ens-newswire.com/2017/06/10/up-to-four-major-atlantic-hurricanes-forecast-for-2017/

Air Force Cadet Creates Bulletproof Breakthrough

Air Force cadet Hayley Weir had an idea that turned out to be a game changer. "It was just the concept of going out there and stopping a bullet with something that we had made in a chemistry lab."

The 21-year-old Weir approached Air Force Academy Assistant Professor Ryan Burke with the idea. He was skeptical.
"I said, 'I'm not really sure this is going to work, the body armor industry is a billion-plus-dollar industry,'" he noted. Weir's idea was to combine anti-ballistic fabric with what's known as a shear thickening fluid to create a less heavy material to use in body armor. She demonstrated the principle to Burke by combining water and cornstarch in a container and asking the professor to jam his finger into the paste-like goo.


### Air Force: As Many As 135 Patients May Have Been Exposed to HIV, Hepatitis at Al Udeid Clinic

Improperly cleaned medical equipment at the clinic at Al Udeid Air Base in Qatar may have exposed as many as 135 patients to blood-borne diseases such as HIV and Hepatitis B and C over an eight-year period.

The Air Force Surgeon General said Monday that Air Force Medical Service found that endoscopes used for upper and lower gastrointestinal procedures "were cleaned in a manner inconsistent with sterilization guidelines" between April 2008 and April 2016. During that period, 135 patients had procedures using those medical tools.

In a follow-up email in response to an Air Force Times question, the surgeon general's office said that blood-borne diseases that patients may have been exposed to could include HIV and the two kinds of hepatitis.

**ISO Publishes Procedure for Detecting Reactive Oxygen Species Generated by Metal Oxide Nanomaterials**


The introduction states that the use of metal or metal oxide-based nanomaterials has dramatically increased in biomedical and industrial applications. The scientific basis for the cytotoxicity and genotoxicity of most manufactured nanomaterials are not fully understood, however. The study of the hazardous effects of metal oxide nanomaterials is still in its initial stages. The ability to generate ROS is one main source of toxicity of metal oxide nanomaterials.

Read more: [http://www.nanotechnow.com/columns/?article=1189](http://www.nanotechnow.com/columns/?article=1189)

**ECHA Committee Concludes Titanium Dioxide Should Be Classified as Suspected of Causing Cancer When Inhaled**

The European Chemicals Agency (ECHA) announced that the Committee for Risk Assessment (RAC) "concluded that the available scientific evidence meets the criteria in the [Classification, Labeling and Packaging (CLP)] Regulation to classify titanium dioxide as a substance suspected of causing cancer through the inhalation route."
TiO2 should be considered as being potentially carcinogenic to humans when inhaled and thus be classified Carc. Cat 1B-H350i. This classification applied for both fine particles and nanomaterials of TiO2 without being able of any distinction in terms of morphology, crystal phase, and surface treatment.

Read more: [http://www.nanotech-now.com/columns/?article=1193](http://www.nanotech-now.com/columns/?article=1193)

**ASSE House of Delegates Endorses New Name**

The renaming of the American Society of Safety Engineers took a major step forward on June 19 when the ASSE House of Delegates voted in favor of the new name: the American Society of Safety Professionals. The name now heads to a membership vote lasting 45 days, with ASSE members worldwide casting their votes on electronic ballots that will be tallied in early August.


**Updated CDC Travel Health Book Now Online**

CDC’s 2018 Yellow Book, the definitive guide for healthy international travel, is now available for free online and for order in hard copy. The 2018 edition features significant revisions, updates to important travel health recommendations, new sections, and a fresh design that makes the guide easier to read.

Read more: [https://www.cdc.gov/media/releases/2017/p0612.html](https://www.cdc.gov/media/releases/2017/p0612.html)
OSHA Rescinds ‘Walkaround Rule’

The policy began in 2013 with a letter of interpretation from OSHA Deputy Assistant Secretary Richard Fairfax to the United Steelworkers. A coalition of industry groups criticized the move, claiming it would “undermine the safety focus of these inspections” and give unions the chance to gain a foothold inside certain organizations.

Read more: http://www.safetyandhealthmagazine.com/articles/15659-osha-rescinds-walkaround-rule

New HHE Video Series Shows What Happens on a Site Visit

Ever wonder what happens when the Health Hazard Evaluation team visits a workplace? Watch 3 new HHE videos to get a glimpse into our activities. Each video shows a different type of testing or sampling conducted in a workplace and reactions from the employer and employees.

Read more: https://www.cdc.gov/niosh/hhe/whats_new.html (Scroll down)
June DOEHRs-IH **SUPER STARS**

Congratulations to the nine Army IH Program Offices that have identified more that 95% of their facilities requiring industrial hygiene review in DOEHRs-IH. We applaud the efforts of Crane Army Ammunition Activity, Aberdeen Proving Ground, Fort Eustis, Yuma Proving Ground, Fort Irwin, Fort Leavenworth, Fort Wainwright, Sierra Army Depot, and Joint Base Lewis-McChord.
Training

2017

IH LEADERS WEBINARS

April 26th 0900 ET
Go Army Ed Funding For The IH
Dial-In Access Code 29314#

June 21st 0900 ET
Army Career Tracker For the IH
Dial-In Access Code 57601#

Aug 23rd 0900 ET
The IH Career Program CP12
Dial-In Access Code 11665#

Oct 25th 1100 ET
SMART Objectives for the IH
Dial in Access Code 26506#
Take a quiz - get a score – bridge the gap!

**Competency Verification Quizzes**: PHC Blackboard now has a way for you to determine your knowledge, skills, and ability gap.

- Short quizzes developed by volunteer community (your peers, regional IHs, and PHC subject matter experts)
- No lectures, no certificates, etc. – just privately scored quizzes
- Identify competency gaps to focus your self-development efforts
- Correct answer feedback is provided

This month’s featured self-development material on Blackboard:

- **Biohazards**
- Competency Verification: Biohazard
- **Sampling**
- Competency Verification: Sampling
- **Toxicology**
- Competency Verification: Toxicology
- **Work Environments and Industrial Processes**
- Competency Verification: Work Environments and Industrial Processes

Try the quizzes.
Enjoy your private score.
Also - a great question bank for CIH Preppers!

Upcoming Training

Certificates just for listening!

What’s new with Army IH Training?

Catch up on the 2016-2017 episodes of

Manage Your IH Monster

Registration & Recordings Currently Available
https://aiph-dohs.ellc.learn.army.mil

- Lab Interfaces
- Taming That SHOP Monster
- Cancer in the Military
- Taming The SEG Monster
- Don’t Be Afraid of the Big Bad Budget
- De-Mystifying The Metrics
- All About ANOVA
- Business Objects At Its Best
- Magical Medical Surveillance
- Leveraging Locations
- Reinvigorating Radiation

Face to Face Training Opportunities:

The 2017 Blueprint Reading and Design Review Course & 40hr Industrial Ventilation Course are FULL!

2018 Sign up rosters NOW OPEN!

- 2018 Industrial Ventilation 40hr Course APR 30-MAY 4 APG, MD
- 2018 Blueprint Reading & Design Review Course APR 16-30 APG, MD

Self-enroll at https://aiph-dohs.ellc.learn.army.mil
Certificates just for listening!

Catch up on the 2016-2017 episodes of

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- 2018 Blueprint Reading & Design Review Course APR 16-
  30 APG, MD

Self-enroll at https://aiiph-dohs.ellc.learn.army.mil
Other FREE Training Opportunities:

Interested in receiving certificates for FREE webinars?

AIHA CIH Prep Recordings  email: mrupert@sevengerhse.com to receive certificates:
- Episode 4: Professional Ethics for Industrial Hygiene -  http://cc.callinfo.com/play?id=ahd500
- Episode 3: Principles in Epidemiology & Biostatistics –  http://cc.callinfo.com/play?id=96h1WS

AIHA HPECC Recordings: get certificates just for watching
- Direct Reading Instruments for the Practicing IH  http://cc.callinfo.com/play?id=5V7jxv
- Expedient Engineering Controls for Epidemics and Terrorism Events  http://cc.callinfo.com/play?id=Befyth
- You’ve got something on your face (and hands)  http://cc.callinfo.com/play?id=38yqJ
- Lessons learned in selecting an all-hazards suite of direct reading instruments  http://cc.callinfo.com/play?id=4yvrvz
- Computational Fluid Dynamics, Can It Truly Benefit the Industrial Hygienist or is It Just Colorful Fluid Dynamics?  http://cc.callinfo.com/play?id=d1n6xp

Don’t want to miss any more opportunities like these? Join HPECC on Facebook today:  https://www.facebook.com/groups/AIHA.HPECC/
Blueprint Reading & Design Review Course

- Not your traditional classroom experience!
- Supports the Engineering Control and Ventilation Core Competency
- Network with Subject Matter Experts and other Army IHs
- Hands on learning with actual blueprints
- Learn calculations, life safety codes, and participate in hands on practicums with blueprints
- 40hrs: all testing online – face to face training at APG, MD.
- Registration online OPEN NOW!
- Self-enroll at https://giph-dohs.elc.learn.army.mil
Recommended Training for 0690s

40HR Industrial Ventilation Course

- Not your traditional classroom experience!
- Learn Engineering Control and Ventilation Core Competency
- Network with Subject Matter Experts and other Army IHs
- Hands on learning with IH equipment in real workplaces
- Learn IH Ventilation calculations and participate in hands on practicums
- 40hrs all testing online – face to face training at APG, MD.
- Registration online OPEN NOW!
- Self-enroll at https://aiph-dohs.etc.learn.army.mil
Online Recertification Training

- HAZWOPER Refresher (8hr)
- 2017 PHC 8 Hour HAZWOPER Refresher

CERTIFICATE OF COMPLETION

Army Public Health Center

Awards to: Steven Munseil

2016 PHC 8 Hour HAZWOPER Refresher Course

APHC

April 13, 2016
Face to Face Training Opportunities: [APG, MD bldg. 6008 28 seats]

2017 Army DOEHS-IH Initial COURSE DATES:
DON’T WAIT TO SIGN UP!
- Aug 14-18
- Oct 16-20

DOEHS-IH Super Stars:
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WHY ABP?
- IRIS Metric works correctly
- Ventilation Systems require this structure
- Consistency across the enterprise
- Less administrative work for the IH

Shop/Building Naming consistent with ABP
One Building-One Shop
Client Folder- Building Folder-Shop
How to Enroll in Webinars:

- Visit https://aiph-dohs.ellc.learn.army.mil
- Select search entire Catalog for “Webinar”
- Highlight with mouse
- Select drop down arrow that says enroll
- Submit enrollment
- Visit the link in “My Courses” & follow directions to verify email address

Enrolled Students:
- Receive a reminder
- Receive a certificate
- Download slides
- Access recordings

July 12th 0900 ET
Chase Away IH Managerial Nightmares
Dial-In Access Code 47140#

Sept 12th 0900 ET
Data Integrity: When IH Data Goes to Court
Dial in Access Code 33655#

Nov 8th 0900 ET
Speedy Ventilation Data Entry
Dial in Access Code 79292#
Professional Development and Career Programs

For Army Industrial Hygienists and Industrial Hygiene Technicians, Professional Development is through the Army Safety and Occupational Health (SOH) Career Program, known as Career Program 12 (CP-12).

Career Programs were established to ensure there is an adequate base of qualified and trained professional, technical, and administrative personnel to meet the Army’s current and future needs.

Planned training and development are essential elements to building a successful career.

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