Nearly 400 Military Bases Must Be Tested for Drinking-Water Contamination

Contamination from former or current military installations has ignited a nationwide review of water on or around bases that used a firefighting foam containing toxic chemicals.

The military is now testing nearly 400 bases and has confirmed water contamination at or near more than three dozen, according to an analysis of data by the Philadelphia Inquirer and Daily News. The new numbers offer the best look to date at the potential scope of the problem.

But despite more than $150 million spent on the effort so far, the process has been slow and seemingly disjointed. The Air Force, for example, has completed sampling at nearly all of its targeted bases; the Navy, barely 10 percent. The Army has not begun. The branches and the Pentagon say they are coordinating, but have varying responses on how many bases must be tested, and limited information about remediation timelines and cost.

Read more: https://www.stripes.com/news/us/nearly-400-military-bases-must-be-tested-for-drinking-water-contamination-1.465223#.WP-Igdy1uUL
Occupational Exposure to Pesticides and the Incidence of Lung Cancer in the Agricultural Health Study

Lung cancer is the leading cause of cancer-related death in the United States (American Cancer Society 2017) and in the world (Torre et al. 2015). Lung cancer mortality and incidence is lower among farmers in the United States than among the general population (Blair et al. 1993; Blair and Freeman 2009) potentially because of the low prevalence of smoking among U.S. farmers (Alavanja et al. 2004; Blair et al. 1992). Nonetheless, increased lung cancer mortality among licensed pesticide applicators has been reported (Barthel 1981; Becher et al. 1996; Blair et al. 1983; MacMahon et al. 1988; Pesatori et al. 1994), raising the possibility that exposure to certain pesticides may increase the risk of lung cancer among farmers. Only a few epidemiologic studies have assessed exposure to specific pesticides (Austin et al. 1989; MacMahon et al. 1988; Pesatori et al. 1994). MacMahon et al. (1988) reported a slight increase in the lung cancer standardized mortality ratio (SMR) [SMR = 135; 90% confidence interval (CI): 114, 158] among pesticide applicators and termite control operators exposed to chlordane and heptachlor. Blair et al. (1983) also observed an excess of lung cancer among termite and other structural pest–control applicators.

Read more: https://ehp.niehs.nih.gov/EHP456/
Chemical Disinfectants and Sanitizers Linked to Thyroid Cancer

Workers exposed to chemicals like deodorizers, sanitizers, disinfectants and sterilizers on the job may be more likely than other people to develop thyroid cancer, a recent study suggests.

Occupational exposure to these chemicals, known as biocides, was associated with a 65 percent higher risk of thyroid cancer, the study found. For people whose jobs might have led to the most cumulative exposure to biocides over time, the odds of thyroid cancer was more than doubled.

The study also looked at pesticides, and didn’t find an increased risk of thyroid cancer linked to these agricultural chemicals.


A Blend of Old and New: Biomonitoring Methods to Study the Exposome

The exposome, a concept introduced in 2005, reflects the totality of chemical and nonchemical exposures that an individual accumulates over a lifetime, beginning during prenatal development.1 Whereas traditional biomonitoring targets specific analytes to measure in a sample, exposomic approaches include quantifying hundreds or thousands of analytes simultaneously in what is known as untargeted analysis, and measuring an even greater number of metabolites in so-called high-resolution metabolomics. A new commentary in EHP discusses why both traditional and exposomic approaches are critical to
Reassessing the Link between Airborne Arsenic Exposure among Anaconda Copper Smelter Workers and Multiple Causes of Death Using the Parametric g-Formula

Background: Prior studies have indicated associations between ingestion of inorganic arsenic and ischemic heart disease, nonmalignant respiratory disease, and lung, skin, bladder, and kidney cancers. In contrast, inhaled arsenic has been consistently associated only with lung cancer. Evidence for health effects of inhaled arsenic derives mainly from occupational studies that are subject to unique biases that may attenuate or obscure such associations.

Objectives: We estimated the excess mortality from respiratory cancers, heart disease, and other causes resulting from occupational arsenic exposure while controlling for confounding using the parametric g-formula.

Methods: Using a cohort of 8,014 male copper smelter workers who were hired between 1938 and 1955 and followed through 1990, we estimated the impacts of hypothetical workplace interventions on arsenic exposure on the risk of mortality from all causes, heart disease, and lung cancer using the parametric g-formula.

Read more: https://ehp.niehs.nih.gov/EHP438/

DARPA Demonstrates On-Site Chemical Warfare Agent Neutralization

DARPA has demonstrated a field-deployable system for on-site neutralization of bulk stores of chemical warfare agents -- a novel, waterless soil-scrubbing technology that safely neutralized toxic chemicals simulating sarin, soman, and mustard.
agents, the department's public affairs unit reported April 14. Created under the agency's Agnostic Compact Demilitarization of Chemical Agents (ACDC) program, it says the technology demonstrated greater than 99.9999 percent removal of the simulated chemicals without creating hazardous waste byproducts.


Radiation Dose Reconstruction Program

Since World War II, many workers took part in nuclear weapons-related activities for the Department of Energy (DOE), its contractors and subcontractors, and Atomic Weapons Employers. Many jobs at these sites involved work with radiation and radioactive materials. The Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA), which is administered by the U.S. Department of Labor (DOL), enables current and former workers in the Nation’s nuclear weapons program, or their survivors, to file claims for compensation if they believe they have an illness due to workplace exposures to hazardous substances or radiation. The National Institute for Occupational Safety and Health (NIOSH) provides scientific support for claims involving workers with cancer due to radiation exposure. NIOSH is part of the Centers for Disease Control and Prevention in the U.S. Department of Health and Human Services (HHS).

Read more: https://www.cdc.gov/niosh/docs/2017-142/pdfs/2017-142.pdf
IARC: Welding Fumes, UV Radiation from Welding Are Carcinogenic

The International Agency for Research on Cancer (IARC) has classified welding fumes and UV radiation from welding as Group 1 carcinogens, the agency’s designation for agents that carry sufficient evidence of carcinogenicity in humans. When IARC previously assessed the carcinogenicity of welding fumes in 1989, the agency classified them in Group 2B as “possibly carcinogenic to humans.” At the time, IARC based its classification on “limited evidence in human beings” and “inadequate evidence” in experimental animals. According to the agency, its new classification for welding fumes is based on “substantial new evidence” from observational and experimental studies. UV radiation from welding was previously classified as a Group 1 carcinogen in an IARC monograph published in 2012.


Ventilation

What are the Different Types of Industrial Ventilation?

Industrial ventilation can be found in many workplaces, particularly those with myriad airborne contaminants. It is usually considered one of the major methods used to reduce employee exposure to either toxins in the air or to flammable vapors, and it works by replacing contaminated air with a cleaner atmosphere. There are two main types of industrial ventilation systems, and they include dilution and local exhaust ventilation.
Dilution ventilation can include a few methods, from allowing in fresh air by opening doors and windows to using large fans. The point of such industrial ventilation systems is to direct the air away from the employees so they do not have to breathe contaminated air while working. Some of the benefits of this type include easy installation in most cases, typically little maintenance, and efficiency in controlling small sources of contaminants. Drawbacks of this kind of industrial ventilation are mainly related to the fact that it cannot typically handle large amounts of toxic chemicals or vapors that may pollute the air. A common example of dilution ventilation includes large commercial fans.

Read more: [http://www.wisegeek.com/what-are-the-different-types-of-industrial-ventilation.htm](http://www.wisegeek.com/what-are-the-different-types-of-industrial-ventilation.htm)

### Federal Register Notice: Closed-Circuit Escape Respirators; Final Guidance for Industry; Availability

On December 28, 2016, the National Institute for Occupational Safety and Health (NIOSH), within the Centers for Disease Control and Prevention, Department of Health and Human Services, published a notice in the Federal Register announcing the availability of an interim guidance document addressing the availability of closed-circuit escape respirators (CCERs) for purchase, and the readiness of respirator manufacturers to comply with the regulatory provisions.


### How Fire Station Storage Prolongs PPE Life

Firefighters around the world put faith in their personal protective equipment, particularly their structural firefighting ensemble. The collective costs of the
individual items that make up the turnout gear ensemble are one of the costlier purchases for any department — whether for new recruits or replacement gear for current members.

A full protective ensemble, including helmet, hood, suspenders, coat, pants, boots and gloves, can cost about $2,000. Along with proper prescribed cleaning and drying, properly storing turnout gear can greatly extend the life of the structural firefighting ensemble.

Research, testing and evaluation of PPE tells us that there are several things that can have an adverse impact on the life-cycle of firefighting PPE, particularly the integrity of the PPE fabric. Here’s a look at the five leading factors.


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**Noise**

**NIOSH Highlights Noise Exposure of Wildland Firefighters**

Noise exposures and hearing loss among structural firefighters have been well documented, but that's not the case with wildland firefighters, they write, even though they may be repeatedly exposed to noise sources such as chainsaws, aircraft, wood chippers, pumps, heavy equipment, and ambient noise from the wildfire itself. The article discusses a three-year study done by the U.S. Forest Service Technology and Development Program in partnership with NIOSH to measure wildland firefighters' noise exposures during training and fire suppression tasks and to identify jobs that put them at increased risk for hearing loss, with a paper published in 2016.
in the *Journal of the Acoustical Society of America* discussing the results.


### Millions of Americans Risk Hearing Loss from Jobs and Guns

Many people are exposed to dangerously loud sounds at work and at play, and most of them don't wear ear plugs or take other steps to prevent hearing loss, a recent U.S. study suggests.

Almost 49 million adults work in very noisy conditions, and more than one-third of them never use hearing protection, the study found. Among leisure pursuits, firearms pose a particular risk and just 59 percent of the 35 million U.S. gun users represented in the study wear hearing protection all the time.


### WHHIP - Hearing Health Primer

An informational tool to help Warfighters take their hearing health into their own hands. The app combines text with contextual demonstrations to provide knowledge and understanding of the dangers of auditory injury and what life could be like if proper precautions are not taken. The Warfighter can experience hearing loss and tinnitus through simulations before a permanent and progressive disability is acquired. When questions arise as to how well hearing protection devices (HPDs) are fitting, the HPD Check feature will allow the Warfighter to compare his/her current fit of HPDs in
his/her own ears to examples of good fitting devices.

Support was provided by the Office of Naval Research (ONR) Noise Induced Hearing Loss (NIHL) Program - http://www.onr.navy.mil


Preventive Medicine

Women's Health Awareness Day 2017

As women, we take care of everyone — our spouses, children, parents, other family members, and even friends. However, we tend to neglect ourselves, especially when it concerns our health. This community event is FREE to the women of Durham, North Carolina and surrounding counties. It provides health awareness, education, information, resources, and on-site health screenings.

Goals
• Inform and empower women to take responsibility for their health
• Encourage women to understand their health options
• Identify services, resources, and products that best help them prevent poor health, which reduces the number of health issues and creates health equity

Read more: https://www.niehs.nih.gov/about/events/pastmtg/2017/womens-health-awareness/index.cfm

Lethal Brain Disease Seen in Hawaii

During the past 3 months, there have been six cases of the parasitic brain infection known as rat lungworm disease on the Hawaiian island of Maui, which is triple the number reported on that island in the past 10 years, according to a report in STAT News.
The disease, carried by rats and transmitted by slugs and snails, results in potentially fatal meningitis. Most previous cases in Hawaii have occurred on the Big Island. 

Read more: http://www.medpagetoday.com/infectiousdisease/generalinfectiousdisease/64408

**EVATAR — Breakthrough Female Reproductive Model**

NIEHS grantees at Northwestern University have developed a model of the female reproductive tract that mimics the human body and fits in the palm of the hand. The new technology, called EVATAR, gives scientists an advanced tool to better understand diseases such as endometriosis, fibroids, cancer, and infertility.

EVATAR will also provide a platform to test new drugs for safety and effectiveness. The paper announcing the advance was published March 28 in Nature Communications and has received wide coverage in the press.


**Sex-Specific Associations between Particulate Matter Exposure and Gene Expression in Independent Discovery and Validation Cohorts of Middle-Aged Men and Women**

Background: Particulate matter (PM) exposure leads to premature death, mainly due to respiratory and cardiovascular diseases.

Objectives: Identification of transcriptomic biomarkers of air pollution exposure and effect in a healthy adult population.
Methods: Microarray analyses were performed in 98 healthy volunteers (48 men, 50 women). The expression of eight sex-specific candidate biomarker genes (significantly associated with PM10 in the discovery cohort and with a reported link to air pollution-related disease) was measured with qPCR in an independent validation cohort (75 men, 94 women). Pathway analysis was performed using Gene Set Enrichment Analysis. Average daily PM2.5

An Hour of Running May Add 7 Hours to Your Life

Running may be the single most effective exercise to increase life expectancy, according to a new review and analysis of past research about exercise and premature death. The new study found that, compared to nonrunners, runners tended to live about three additional years, even if they run slowly or sporadically and smoke, drink or are overweight. No other form of exercise that researchers looked at showed comparable impacts on life span.

The findings come as a follow-up to a study done three years ago, in which a group of distinguished exercise scientists scrutinized data from a large trove of medical and fitness tests conducted at the Cooper Institute in Dallas. That analysis found that as little as five minutes of daily running was associated with prolonged life spans.

Read more: https://ehp.niehs.nih.gov/EHP370/

Globe-Trotting Pollutants Pose a Larger Threat to Public Health Than Previously Thought

Polycyclic aromatic hydrocarbons — toxic air pollutants produced by fuel combustion — are typically treated as a local issue in places with smog and bad air quality. A recent study suggests, however, that these pollutants may actually travel long distances and affect people across the globe.

Read more: https://www.nytimes.com/2017/04/12/well/move/an-hour-of-running-may-add-seven-hours-to-your-life.html?_r=0
PAHs have been around since humans first mastered controlled combustion, says Staci Simonich, a professor of chemistry at Oregon State University and co-author of the recent research. “Whenever there's been fire, we've created these PAHs, so we're still learning about these compounds [and] how they affect people and the environment.”

Read more:

A Satellite–Ground Hybrid Approach: Relative Risks for Exposures to PM2.5 Estimated from a Combination of Data Sources

Satellite instruments offer researchers powerful new perspectives and data sources for studying the environment. A new study used associations between fine particulate matter (PM2.5) and mortality from circulatory diseases as a test scenario to explore how exposure estimates derived from remote sensing alone compare with those produced by a combination of satellite- and ground-based data. The findings showed associations between PM2.5 and mortality regardless of the method used, but specific relative risk estimates varied widely, with hybrid models generally predicting the strongest associations.

Read more: https://ehp.niehs.nih.gov/125-A73/
Programming the Future: Epigenetics in the Context of DOHaD

Recent studies have shown that variable responses to environmental exposures within a population arise in part from individuals’ genetic differences.1,2,3 Research on these differences is increasingly focusing on the epigenome, in which small chemical tags on DNA and associated proteins fine-tune genetic expression.1,2,4 A new review in EHP takes stock of the methods, analyses, and complexity of environmental epigenetics research in the context of the developmental origins of health and disease (DOHaD).1

According to the DOHaD hypothesis, environmental exposures during pre- and postnatal development can affect health years or even decades later.1,4 A potential bridge between these exposures and outcomes involves changes in, or reprogramming of, the epigenome.2,3,4,5,6

Read more: https://ehp.niehs.nih.gov/125-A72/

Ergonomics

Ergonomics and Mobile Workers

Increasingly, work is something people do rather than a place people go.”

This common saying probably doesn’t surprise you. Many of us are already using technologies to work away from the office. In fact, many of us don’t even have offices anymore! The laptop, tablet, and
smartphone have revolutionized the way we work.

But with these changes new problems have arisen. Terms like Text Neck, Smartphone Elbow, and Blackberry Thumb have entered our vocabulary. New ways of working have introduced new ways of injuring ourselves.

Read more:

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**Safety**

The Link between Opioids and Unemployment

In 2015, more Americans died from drug overdoses than from car accidents and gun homicides combined. That’s according to a startling interactive story published by The New York Times recently, which also noted that since 1990, drug-overdose deaths have increased by 500 percent.

A new study suggests unemployment might be one of the factors behind that dramatic rise. The paper, published by NBER last week, finds that as the unemployment rate increases by one percentage point in a given county, the opioid-death-rate rises by 3.6 percent, and emergency-room visits rise by 7 percent.

Rather than more people getting injured when jobs are scarce, the authors suspect that the increased use of painkillers is a “physical manifestation of mental-health problems that have long been known to rise during periods of economic decline.” Depression and pain are twin agonies, in

other words: Not only does depression make people more sensitive to pain, they note, opioids have been shown to help relieve depressive symptoms.

Read more:
Heat and Exertion Tied to Heart Attacks in Healthy Firefighters

Firefighters’ physical exertion and exposure to extreme heat may trigger the formation of blood clots and prevent blood vessels from relaxing – the recipe for a heart attack - a small experiment suggests.

Heart attacks are the most common cause of death among on-duty firefighters, and they are much more likely to occur during or shortly after work to subdue a fire, said senior study author Nicholas Mills of the British Heart Foundation Center for Cardiovascular Sciences and the University of Edinburgh.

Read more: http://uk.reuters.com/article/us-health-firefighters-temperature-clots-idUKKBN17628D

Veteran Patients in Imminent Danger at VA Hospital in D.C., Investigation Finds

Conditions are so dangerous at the Department of Veterans Affairs Medical Center in Washington, D.C., that the agency’s chief watchdog issued a rare preliminary report Wednesday to alert patients and other members of the public.

The VA inspector general found that in recent weeks the operating room at the hospital ran out of vascular patches to seal blood vessels and ultrasound probes used to map blood flow.

The facility had to borrow bone material for knee replacement surgeries. And at one point, the hospital ran out of tubes needed for kidney dialysis, so staff had to go to a private-sector hospital and ask for some.

Enter a Cooling Tower with Caution

Last month, “Keep Your Cool In Hot Weather,” dealt with performance testing of cooling towers, but determining why a tower isn’t working well may require entering it. Knowing what hazards are present in and around towers will allow for safe entry and inspection.

A number of hazards can exist in a tower. The first is physical: tower components may deteriorate due to erosion and biological and chemical attack. This can lead to structural defects that may weaken struts or ties that can fail when weight is applied. Whole towers have been known to collapse. Fans have fallen into towers. Loosened blades have been ejected through the fan shroud. Check the tower history before entry.

Biological and chemical attacks may create additional hazards. Moss and other algae may be present during your inspection. Exposure to Legionella is just one of many risks. Personal protective equipment (PPE) is necessary to minimize such threats. Process leaks may leave chemical residue in the tower. Check with area personnel; they may have special entry procedures based on hazards reviews.

Read more: 

Sewer Workers Could Be At Risk with Current Ebola Guidelines

In a new study, researchers question whether guidelines from the U.S. Centers for Disease Control and Prevention and the World Health Organization protect sewer workers from Ebola.

A study from Drexel University and the University of Pittsburgh suggest that guidelines issued by the CDC and WHO on the safe disposal of liquid waste from patients with the Ebola virus might not be effective enough to protect water treatment workers from being exposed to the virus.
Researchers report that sewer workers downstream of hospitals and treatment centers could contract Ebola by inhalation, a risk that the CDC and WHO do not currently account for in their guidelines and response protocol.


**Worker Recovery and Return to Work**

Other studies have shown that the chances of returning to work drop dramatically the longer the worker remains away from work. While more serious diagnoses are associated with longer periods off work, minor diagnoses can also lead to disability if the recovery and return-to-work processes are not properly managed.

We are interested in learning from you about resources related to worker recovery and helping them return-to-work. To start the discussion, we have listed some resources below and we welcome your suggestions, as well as input on the following questions.

Read more: https://blogs.cdc.gov/niosh-science-blog/2017/04/12/worker-recovery/

**Emergency Preparedness & Response**

The emphasis on 24-hour service — hurricane or shine — has earned the company a reputation among professional emergency managers, who make rough estimates of storm damage by looking to the local Waffle House.

**Waffle House Index Born Out of Joplin Storm**
Waffle House has carved out its niche among Southern road-trippers and the late-night bar crowd with a promise of 24-hour constancy. Its laminated menus and round-the-clock breakfast service are the same as ever. The yellow roadside sign has not changed since 1955, and the diner chain has stood by the promise that its doors will never close.

If they do, it may be time to panic.

The emphasis on 24-hour service — hurricane or shine — has earned the company a reputation among professional emergency managers, who make rough estimates of storm damage by looking to the local Waffle House.

If the restaurant is serving a full menu, it means the building has power and damage may not be that serious.


Do U.S. Troops Risk Brain Injury When They Fire Heavy Weapons?

The U.S. military is trying to figure out whether certain heavy weapons are putting U.S. troops in danger.

The concern centers on the possibility of brain injuries from shoulder-fired weapons like the Carl Gustaf, a recoilless rifle that resembles a bazooka and is powerful enough to blow up a tank.

A single round for the Carl Gustaf can weigh nearly 10 pounds. The shell leaves the gun's barrel at more than 500 miles per hour. And as the weapon fires, it directs an explosive burst of hot gases out of the back of the barrel.

For safety reasons, troops are trained to take positions to the side of weapons like this. Even so, they get hit by powerful blast waves coming from both the muzzle and breech.
Army Develops New Nutritional Bed-Time Snack Bar for Basic Trainees

The Military Nutrition Division at the U.S. Army’s Research Institute of Environmental Medicine has unveiled a new nutritional snack bar for recruits to consume before bedtime while at basic combat training.

Military health experts have found that recruits often arrive to basic with poor vitamin D status, making their bones more vulnerable to fracture and injury, according to the Military Health System. This subsequently leads to delays in training and increased dropout rates.

Stress fractures can easily occur during basic due to strenuous tasks that the body is unaccustomed to. Wearing boots for long marches, running frequently and carrying heavy loads are just some of the activities that can increase the likelihood of stress fractures, according to James McClung, Ph.D., deputy chief of the Military Nutrition Division at the U.S. Army’s Research Institute of Environmental Medicine in Natick, Massachusetts.

Read more: [https://www.armytimes.com/articles/army-develops-new-nutritional-bed-time-snack-bar-for-basic-trainees](https://www.armytimes.com/articles/army-develops-new-nutritional-bed-time-snack-bar-for-basic-trainees)

Military Lawyers Sue Pentagon over Carcinogens at Gitmo Housing

Lawyers who work at a camp at Guantanamo Bay filed a lawsuit Tuesday alleging that the Pentagon failed to properly investigate health hazards at facilities there that contain carcinogens.

The lawyers, who work at the facilities for several weeks in a year, say the US Navy failed to follow up on reports of high cancer
cases among young and otherwise healthy people who work at Camp Justice, the complex where they work on detainees' cases.

The lawsuit comes after a former military commissions attorney filed a complaint with the Department of Defense inspector general in July 2015 to look into whether conditions at the camp contributed to several cancer cases among personnel, including a former Camp Justice attorney who died of cancer on July 19, 2015, at the age of 44.


Skin Model Replaces Experiments on Humans

The characteristics of human skin are heavily dependent on the hydration of the tissue - in simple terms, the water content. This also changes its interaction with textiles. Up to now, it has only been possible to determine the interaction between human skin and textiles by means of clinical trials on human subjects. Now, EMPA researchers have developed an artificial gelatine-based skin model that simulates human skin almost perfectly.

White House: Federal Hiring Freeze Over, 'Surgical' Cuts Begin

Office of Management and Budget Director Mick Mulvaney said Tuesday the guidance, which will go out to agencies Wednesday morning, is an attempt by the Trump administration to make good on the President's promise to "drain the swamp," a slogan that animated his 2016 campaign.


OSHA Releases Three New Publications on Process Safety Management

OSHA has released three guidance documents to help employers comply with the agency's Process Safety Management standard. PSM is critically important to facilities that store highly hazardous chemicals. Implementing the required safety programs helps prevent fires, explosions, large chemical spills, toxic gas releases, runaway chemical reactions, and other major incidents. The new documents
focus on PSM compliance for Small Businesses, Storage Facilities and Explosives and Pyrotechnics Manufacturing.


**NIOSH**

**NIOSH Publishes Final IDLH Value Profiles for 14 Chemicals**

On Friday, NIOSH announced the availability of final Immediately Dangerous to Life or Health (IDLH) Value Profiles for 14 chemicals: iron pentacarbonyl, acrylonitrile, 1,1-dichloro-1-fluoroethane (HCFC-141b), chloroacetyl chloride, chlorine pentafluoride, furan, hexafluoroacetone, n-butyl acrylate, benzonitrile, methyl isocyanate, bromine pentafluoride, 1,3-butadiene, diketene, and butane. Each profile summarizes the health hazards of acute exposures to high airborne concentrations of a chemical and discusses the rationale for the chemical’s proposed IDLH value. According to NIOSH, an IDLH value, which is based on a 30-minute exposure duration, is the maximum level above which only a highly reliable breathing apparatus that provides “maximum worker protection” is permitted.

Read more: https://www.aiha.org/publications-and-resources/TheSynergist/Industry%20News/Pages/NIOSH-Publishes-Final-IDLH-Value-Profiles-for-14-Chemicals.aspx
Fort Meyer IHPO has begun incorporating Army IH Business Practices into their DOEHRS-IH location tree. Army enterprise is promoting the use of Army IH Business Practices based on trend and gap analysis compiled over many years. Army IH Business Practices provides DOEHRS-IH users with a more functional and less administratively heavy approach to capturing data and helps standardize use across the Army. Keep up the good work on your location tree Fort Meyer!
Training

Registration & Recordings Currently Available
https://aiph.dohs.elc.learn.army.mil
Dial in: 210-249-4234 or DSN 421-3272
(overseas DSN 312)

NEW 2017 WEBINARS!!

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#
WELCOME TO THE OUR NEW EMBEDDED INTERACTIVE LECTURES:
We are diligently moving our material into this new format. Some offerings are already available. Why will you like it?
- Users do not have to adjust computer compatibility settings
- Users do not have to delete cache/cookies
- Course grade comes from knowledge checks in lecture
- Unsuccessful students can reattempt immediately

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

- **Analytical Chemistry**
  - Interview with PHC Analytical Lab Manager (1 hr)
  - Sampling Technical Guide 141 and Beyond (1.5 hr)

- **Biohazards**
  - Biohazards (Intermediate - 2 hr)
  - Competency Verification: Biohazard (1 hr)
  - Introduction to Biosafety Cabinets and BSL Labs (0.5 hr)

- **IH Program/Project Management**
  - Industrial Hygiene Management and Ethics (0.5 hr)

- **Thermal Stressors**
  - Thermal Stressors (1.25 hr)

Upcoming 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
2017

Mar 15th 0900 ET
Magical Medical Surveillance
Dial-In Access Code 12560#

April 11th 0900 ET (Special Ed.)
Leveraging Locations
Dial-In Access Code 67180#

May 3rd 0900 ET
Re-Invigorating Radiation
Dial-In Access Code 74477#

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#
Interested in receiving certificates for FREE webinars?

**AIHA CIH Prep Recordings** email: mrupert@sevengenhse.com to receive certificates:
- Episode 4: Professional Ethics for Industrial Hygiene - http://cc.callinfo.com/play?id=ahds00
- 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=5y7jxv
- Expedient Engineering Controls for Epidemics and Terrorism Events - http://cc.callinfo.com/play?id=8efyth
- You’ve got something on your face (and hands) - http://cc.callinfo.com/play?id=38y4j
- Lessons learned in selecting an all-hazards suite of direct reading instruments - http://cc.callinfo.com/play?id=4yu4r
- Computational Fluid Dynamics, Can It Truly Benefit the Industrial Hygienist or Is It Just Colorful Fluid Dynamics? - http://cc.callinfo.com/play?id=d1n5xp

Don’t want to miss any more opportunities like these? Join HPECC on Facebook today. https://www.facebook.com/groups/AIHA.HPECC/
DOEHR-S-IH

Face to Face Training Opportunities: (APG; MD biag. 6008 28 seats)

2017 Army DOEHR-S-IH Initial COURSE DATES:
- Jun 12-16 DON'T WAIT TO SIGN UP!
- Aug 14-18
- Oct 16-20

DOEHR-S-IH Super Stars:
Fort Meyer is our next rising star! Fort Meyer IH has begun incorporating Army IH Business Practices into their DOEHR-S-IH location tree. Army enterprise is promoting use of Army IH Business Practices based on trend and gap analysis done over many years. ABP provides DOEHR-S users with a more functional and less administratively heavy approach to capturing our data and helps standardize use across the Army.

Shop/Building Naming consistent with Army
One Building-One Shop

Client Folder
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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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