



WEST TENNESSEE CHAPTER



VOLUME 1 ISSUE 5

JANUARY 2007

HIGHLIGHTS

- January Meeting
- Practice Specialty
- Call for Speakers
- AIHA News
- Job opportunities
- Looking ahead to 2007—Part 2
- Public Relations

Friday January 19th
Chapter Meeting
Ryan's Steakhouse
HAND SAFETY

FRIDAY February 16th
CHAPTER MEETING
Emergency Preparedness

Friday March 16th
Ryan's Steakhouse

Friday April 20th
Ryan's Steakhouse
Behavior based Safety

Friday May 18th
Ryan's Steakhouse

Jun 2nd—7th
AIHce PDC 2007
AIHA

Jun 24th—27th
ASSE PDC 2007

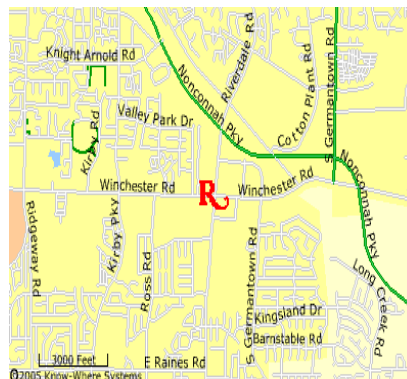
HAND SAFETY IS THE TOPIC FOR JANUARY MEETING

Our Speaker for January's meeting is Mr. Kent Huber who will discuss hand safety, current trends and approaches to improving hand safety. In 1997, Mr. Huber founded U.S. Safety Depot with a primary mission to focus on improving safety equipment for employees while delivering cost savings ideas to customers. U.S. Safety Depot continues to offer new and innovative personal protective equipment solutions and safety consultation to various clients located throughout the United States.

In 2000, Kent founded and was elected President of a non-profit organization called The Greater Columbus Safety Council based in Columbus, Indiana. Today, the G.C.S.C. serves over 100 members by providing low cost training and consultation services to com-

munities and industries in and around Columbus, Indiana.

Prior to his current role, Mr. Huber has worked in the petroleum and Automotive industries for over 11 years. He served in United States Army Reserve for 8 years and graduated with a Bachelor of Science degree in Health and Safety Management from Indiana State University in 1992.



The meeting will be at Ryan's Steakhouse, Riverdale Road, Memphis. Networking and lunch will start at 11:30am and our program will commence at 12noon. Please bring Business cards so you can get the opportunity to meet your fellow safety professionals.

**MEETING REMINDER
FRIDAY 19th JANUARY
RYANS STEAKHOUSE 11:30am**

A CHRISTMAS TRADITION THANK YOU

Thank you to all who supported the MIFA and Food bank drive at the last meeting. We raised both funds and food that were donated on the Chapter behalf to help those in our area.

For the record we donated \$250 to MIFA and around 70lbs of canned goods to the Memphis food bank.



Photo (l/r) Michelle Garner-Janna, Edna Mills (MIFA) Debbie Abrego and Joseph Elia at MIFA

WHATS PLANNED FOR 2007 PART 2 PROFESSIONAL DEVELOPMENT

Two upcoming programs offered by the Harvard School of Public Health can help you get ahead:

Management Skills for Emerging Leaders in Environmental Health and Safety **May 7 - 9, 2007** **Boston, MA**

This program is specifically designed to bridge the gap between technical skills and the leadership skills essential for achieving organizational objectives including EHS management systems that meet ISO 14001, ANSI Z10, and/or EPA NEIC standards.

For complete details or to register, visit: <http://www.hsph.harvard.edu/ccpe/programs/LMS.shtml>

Comprehensive Industrial Hygiene: Practical Applications of Basic Principles **June 25 - 29, 2007** **Boston, MA**

Learn how to use the key concepts and principles of this profession to identify potential hazards in the workplace, select methods for the assessment of exposures to hazards, evaluate the consequences of excessive exposure, and institute techniques for prevention and control of occupational disease.

For complete details or to register, visit: <http://www.hsph.harvard.edu/ccpe/programs/CIH.shtml>

Continuing education credit for both courses:

- Accreditation Council on Continuing Medical Education
- CEUs, Harvard School of Public Health
- American Board of Industrial Hygiene
- Board Certified Safety Professional (CSP) Continuation of Certification (COC) Points
- Construction Health and Safety Technician (CHST) Certification Maintenance Points
- Certified Hazardous Materials Manager (CHMM) Maintenance Points
- Other specialty CEUs may be available

For more information on any of our programs, visit www.hsph.harvard.edu/ccpe, call 617-384-8692, or email: contedu@hsph.harvard.edu

Please be sure to mention your **Reference Code:**
LMS_CIH07-EM1.

WHAT CAN YOU DO TO HELP THE ASSE WEST TENNESSEE CHAPTER GROW (SURVEY RESULTS)

ASSE Fundraising Committee

Anthony Kimball (Chair)
Cummins Diesel Recon
Phone: (901) 320-3274
Email: Anthony.j.kimball@cummins.com

Purpose: To generate funds for the chapter. This will also allow our chapter to be more financially secure. It will also allow the chapter to provide financial contributions to the ASSE foundation and to establish a named scholarship program for our chapter.

If you are interested in working on this committee please volunteer. The process is easy...just e-mail Anthony Kimball at the email listed above. Let him know your ideas about fundraising and what is the best time and day to meet. From the e-mails we will set-up the schedule and location to meet.

ASSE Membership Committee

Rachel A. Hartsell (Chair)
Cummins Diesel Recon
Phone: (901) 320-3223
Email: rachel.a.hartsell@cummins.com

Purpose: To increase the number of active members and to recruit new members for the chapter.

Since e-mailing the members is not always successful, we will make phone calls personally inviting those that have not been active. We will be developing a brief "sales pitch" to let the members know that we are here and would like for them to join us at the meetings. We will also discuss some of the survey questions so that we can better accommodate them. We will begin the process with the members on the roster that have yet to attend a meeting recently. We will eventually also contact safety professionals from some of the large employers in town which are not represented or are under-represented in ASSE. Assistance will be needed to call the members, determine which companies to contact, getting contact information, etc. If you would like to volunteer to help in any way

Other Committees include Gov Affairs (Bob Gray), Communications (Mark Mandel), Awards and Honors (Charlie Sepko). Please contact any of the committee chairs or the ASSE President to volunteer your time.

ASSE NEWS

ASSE NATIONAL PRESIDENTS MESSAGE



The new year is a time to take stock of what we've achieved, set expectations for the coming year and survey the challenges that lie ahead. As I think about the coming year and beyond for the SH&E profession, several areas come to mind. These are just a few of the many areas I believe we must keep in our sights.

Injuries and illnesses. Workplace injuries and illnesses in private industry declined for the third straight year in 2005-in fact, the overall rate reached all all-time low. This continued improvement is certainly encouraging, but we cannot become complacent. We must keep our focus on creating the safest work environments possible, and we must press the mindset that one injury, one illness or one fatality is one too many.

- Political climate. The recent midterm elections shifted the balance of power in Congress. What this shift will mean for the SH&E profession remains to be seen. "The bet is that the fires under occupational safety and health will get stoked," says Dave Heidorn, ASSE's manager of government affairs and policy. Key issues likely will include mine safety, increasing OSHA fines and NIOSH funding.
- Aging workforce. The labor force continues to age. BLS estimates that the 55-and-older group will grow at an annual rate of 4.1%-4 times that of the overall labor force. By 2014, this group is expected to make up 21.2% of the labor force. Employers and SH&E professionals must recognize these changing workforce dynamics and adapt current strategies and initiatives to meet the challenges they present. And, like the entire workforce, our profession is graying. As more SH&E practitioners begin to retire, we must dedicate ourselves to recruiting students to safety-related careers and to mentoring our young professionals.
- Doctoral programs in safety. The lack of such programs is a growing concern. As ASSE President-Elect Mike Thompson testified at a town hall meeting with NIOSH last March, "The safety community is faced with a retirement challenge among those who achieved Ph.D.s in safety . . . in the 1970s. With only one pure Ph.D. program in safety, the circumstances for the future of safety education may be dire." For our profession to continue to thrive, we must work with groups such as NIOSH and affiliated organizations to find ways to encourage more individuals to achieve the highest level of safety education.
- Nanotechnology. The use of nanoscale materials is growing rapidly, with experts predicting that the global impact of nanotechnology-related products will exceed \$1 trillion by 2015. However, many questions remain regarding the occupational health risks associated with manufacturing and using nanomaterials. Much research is still needed to fully understand these exposures and to develop appropriate monitoring and control strategies. We must vigilantly monitor the results of this research and respond accordingly in order to best protect workers.
- Disaster preparedness and response. Recent disasters have placed intense focus on the need to be better prepared to respond to crises of all kinds. As SH&E professionals, we must continually seek ways to share our knowledge and lessons learned with employers and clients in order to help them develop, test and improve their response and recovery plans.
- Flu pandemic. Concerns about an avian flu pandemic continue to grow. Such an event would stress critical functions, business continuity and the healthcare industry. While it is impossible to predict if or when this may occur, we must take a lead role in educating employers and employees and our local communities about the risks, and in developing plans to help them respond to the safety and health issues that will arise should a pandemic occur.
- Each of these areas poses many challenges for the coming year and beyond. But each also presents SH&E professionals with many opportunities to engage business leaders, policymakers, employees and the public in our mission to improve safety and health in all we do.

Donald S. Jones Sr., M.B.A., P.E., CSP



NETWORKING.
DISCOVER IT.
ADVANCEMENT. KNOWLEDGE.
IT'S SAFETY 2007.

Designing for Construction Worker Safety

By John W. Mroszczyk, Ph.D., P.E., CSP

Introduction

The construction industry stands out from other employments as having one of the highest worker injury and fatality rates. Construction comprises a very small percentage of the overall workforce. Yet, the incidence rate for non-fatal injuries and illnesses exceeds that of many other industries. The construction industry has the most fatalities of any other industry sector (Bureau of Labor Statistics, 2004). Some studies have shown that a fairly large percentage of construction accidents could have been eliminated, reduced, or avoided by making better choices in the design and planning stages of a project (Hecker 2005). Addressing construction safety in the design and planning phase, therefore, can have a substantial impact on reducing injuries and the cost associated with safety related project delays.

The Contractors' Role in Construction Site Safety

Construction safety (the intermediate phase between a finished design and a completed building) is largely the responsibility of the contractors and other site professionals. The success of a project depends on the intricate planning and decisions that are made on site. Most construction accidents result from basic root causes such as lack of proper training, deficient enforcement of safety, unsafe equipment, unsafe methods or sequencing, unsafe site conditions, not using the safety equipment that was provided, and a poor attitude towards safety (Toole, 2002). Often times the role of the various contractors is unclear as some contractors may try to transfer responsibility for safety to others. The most common construction project arrangement is that of general (prime) contractor/subcontractor.

Under OSHA 1926.16, the prime contractor has overall responsibility for job site safety (compliance with OSHA regulations). General (prime) contractors have the highest level of influence on site safety because they monitor, coordinate and direct the work of the subcontractors. General contractors frequently provide equipment that is shared by multiple subcontractors. There may be one or more prime contractors in some cases.

Subcontractors provide the labor and tools to complete their work. Under OSHA 1926.16, subcontractors are responsible for the safety of their employees with regard to their portion of the work. If a subcontractor creates a hazard, the subcontractor must protect its own employees as well as others who might be exposed.

The Role of Design Professionals in Influencing Construction Site Safety

The role of the design professional has traditionally been to design a building, facility, or structure such that it conforms with accepted engineering practices, local building codes, and is safe for the public. The safety of construction workers is left up to the contractors. However, design professionals can influence construction safety by making better choices in the design and planning stages of a project. This would result in fewer site decisions that have to be made by contractors and workers that can lead to accidents (the root causes previously mentioned).

Research presented by Behm (Behm 2005) suggests that designers can in fact have a strong influence on construction safety. In 1985 the International Labor Office recommended that designers give consideration to the safety of workers who will be involved in erecting buildings. In 1991 the European Foundation for the Improvement of Living and Working Conditions concluded that about 60% of fatal accidents in construction are the result of decisions made before the site work begins.

DOWNLOAD THE FULL ARTICLE AT www.asse.org under practice specialties. The article is located in the construction practice specialty section

Biennial Public Policy Survey Indicates Issues Most Likely to Present Concerns for the IH Profession

AIHA, as a result of its biennial membership survey, has projected the top public policy issues of concern to AIHA members and the occupational and environmental health and safety profession over the next two years. These concerns are divided into OSHA issues, legislative issues, as well as association issues and include:

- Permissible Exposure Limits (PELs) Updating
- Material Safety Data Sheets (MSDS) / Globally Harmonized System (GHS)
- Nanotechnology
- Safety and Health Programs/Injury and Illness Prevention Programs
- Generic Exposure Assessment
- OSHA, NIOSH, EPA Appropriations
- Professional Recognition/Title Protection
- Emergency Preparedness and Response
- Laboratory Accreditation

AIHA Announces 2007 Professional Development and Continuing Education Calendar

AIHA offers educational tools to maintain certifications and increase knowledge through its professional development programs

The American Industrial Hygiene Association (AIHA) is committed to helping its members and other industrial hygiene and occupational and environmental health and safety (OEHS) professionals by offering the tools needed to reach their goals through continuing education. As part of the association's ongoing efforts to provide cutting-edge educational opportunities, AIHA would like to announce its 2007 professional development and continuing education offerings.

AIHA professional development courses provide practitioners with specialized skills that enhance performance on the job while increasing knowledge and professionalism.

Course participants can earn certification maintenance (CM) points towards the certified industrial hygienist (CIH) certification. They can also earn continuance of certification points (COCs) towards the certified safety professional (CSP) certification and continuing education units (CEUs) for additional professional development.

Continuing education courses scheduled for 2007 are to be found in the calendar of training on the AIHA Website. These training events are located around the country to be accessible to as many members as possible



AIHA

Your Essential Connection

AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	%	Exposure Limit ACGIH/OSHA
Aliphatic Petroleum Distillates	8052-41-3	45-50	100 ppm PEL
Petroleum Base Oil	64742-65-0	15-25	5 mg/M ³ TWA (mist)
LVP Hydrocarbon Fluid	64742-47-8	12-18	1200 mg/M ³ TWA
Carbon Dioxide	124-38-9	2-3	5000 ppm PEL
Non-hazardous Ingredients		< 10	

III. PHYSICAL DATA

Boiling Point:	323°F (minimum)	Evaporation Rate:	Not determined
Vapor Density (air=1):	Greater than 1	Vapor Pressure:	110 ±5 PSI @ 70°F
Solubility in Water:	insoluble	Appearance:	Light amber
Specific Gravity (H ₂ O=1):	0.817 @ 72°F	Odor:	Characteristic odor
Percent Volatile (volume):	74%	VOC:	412 grams/liter (49.5%)

WD-40 Well, Who Knew...?

Submitted by Rachel Hartsell

I had a neighbor who had bought a new pickup. I got up very early one Sunday morning and saw that someone had spray painted red all around the sides of this beige truck (for some unknown reason). I went over, woke him up, and told him the bad news. He was very upset and was trying to figure out what to do probably nothing until Monday morning, since nothing was open. Another neighbor came out and told him to get his WD-40 and clean it off. It removed the unwanted paint beautifully and did not harm his paint job that was on the truck. I'm impressed! WD-40 who knew?

Water Displacement #40. The product began from a search for a rust preventative solvent and degreaser to protect missile parts. WD-40 was created in 1953 by three technicians at the San Diego Rocket Chemical Company. Its name comes from the project that was to find a "water displacement" compound. They were successful with the fortieth formulation, thus WD-40. The Corvair Company bought it in bulk to protect their atlas missile parts.

Ken East (one of the original founders) says there is nothing in WD-40 that would hurt you. Its primary ingredient is fish oil !!!

Here are some of the uses:

- 1) Protects silver from tarnishing.
- 2) Removes road tar and grime from cars.
- 3) Cleans and lubricates guitar strings.
- 4) Gives floors that 'just-waxed' sheen without making it slippery.
- 5) Keeps flies off cows.
- 6) Restores and cleans chalkboards.
- 7) Removes lipstick stains.
- 8) Loosens stubborn zippers.
- 9) Untangles jewelry chains.
- 10) Removes stains from stainless steel sinks.
- 11) Removes dirt and grime from the barbecue grill.
- 12) Keeps ceramic/terra cotta garden pots from oxidizing.

WD-40 CONTINUED

- 13) Removes tomato stains from clothing.
- 14) Keeps glass shower doors free of water spots.
- 15) Camouflages scratches in ceramic and marble floors.
- 16) Keeps scissors working smoothly.
- 17) Lubricates noisy door hinges on vehicles and doors in homes
- 18) It removes black scuff marks from the kitchen floor! Use WD-40 for those nasty tar and scuff marks on flooring. It doesn't seem to harm the finish and you won't have to scrub nearly as hard to get them off. Just remember to open some windows if you have a lot of marks.
- 19) Bug guts will eat away the finish on your car if not removed quickly! Use WD-40!
- 20) Gives a children's play gym slide a shine for a super fast slide.
- 21) Lubricates gear shift and mower deck lever for ease of handling on riding mowers.
- 22) Rids kids rocking chairs and swings of squeaky noises.
- 23) Lubricates tracks in sticking home windows and makes them easier to open.
- 24) Spraying an umbrella stem makes it easier to open and close.
- 25) Restores and cleans padded leather dashboards in vehicles, as well as vinyl bumpers.
- 26) Restores and cleans roof racks on vehicles.
- 27) Lubricates and stops squeaks in electric fans.
- 28) Lubricates wheel sprockets on tricycles, wagons, and bicycles for easy handling.
- 29) Lubricates fan belts on washers and dryers and keeps them running smoothly.
- 30) Keeps rust from forming on saws and saw blades, and other tools.
- 31) Removes splattered grease on stove.
- 32) Keeps bathroom mirror from fogging.
- 33) Lubricates prosthetic limbs.
- 34) Keeps pigeons off the balcony (they hate the smell).
- 35) Removes all traces of duct tape.
- 36) Folks even spray it on their arms, hands, and knees to relieve arthritis pain.
- 37) Florida's favorite use is: "cleans and removes love bugs from grills and bumpers."
- 38) The favorite use in the state of New York WD-40 protects the Statue of Liberty from the elements.
- 39) WD-40 attracts fish. Spray a LITTLE on live bait or lures and you will be catching the big one in no time. Also, it's a lot cheaper than the chemical attractants that are made for just that purpose. Keep in mind though, using some chemical laced baits or lures for fishing are not allowed in some states.
- 40) Use it for fire ant bites. It takes the sting away immediately and stops the itch.
- 41) WD-40 is great for removing crayon from walls. Spray on the mark and wipe with a clean rag.
- 42) Also, if you've discovered that your teenage daughter has washed and dried a tube of lipstick with a load of laundry, saturate the lipstick spots with WD-40 and re-wash. Presto! Lipstick is gone!
- 43) If you sprayed WD-40 on the distributor cap, it would displace the moisture and allow the car to start.

***DO YOU HAVE SOMETHING TO SAY !!! - WE WELCOME YOUR ARTICLES AND COMMENTS—
PLEASE EMAIL MARK MANDEL (Mark.e.mandel@Cummins.com)***

CALL FOR SPEAKERS

This coming year marks the 30th anniversary of the **Tennessee Safety and Health Congress and Exposition**, which will be held **July 22-25, 2007**, at the Gaylord Opryland Hotel in Nashville, Tennessee.

If you would like to be considered by the Program Committee to give a presentation at the 2007 Congress, please go to our Website at www.tnsafetycongress.org and complete the "Call for Presenters" form. The form can be found in the section for Congress information at www.tnsafetycongress.org/more.htm under the heading "General Information". As an alternative, please contact Ted Helms via e-mail at t.c.helms@att.net or phone at 865-966-7989 by January 12, 2007.

MESSAGE CORNER

As jobs are circulated around check our Website to see what is on offer. If you know of any positions available please contact Patrick McCloskey at 901 775-9680 (pmccloskey@cpconcrete.com)

DO YOU HAVE EMAIL ?

Please let us know your current Email address and look out for information passed along from **ASSE and AIHA** as well as the local chapter. . (mark.e.mandel@Cummins.com)

NEWSLETTER

Is there something you'd like to see in the next ASSE newsletter? Contact Mark Mandel We welcome your suggestions and input....

NEXT MEETING IS SCHEDULED FOR FRIDAY FEBRUARY 16th

SPEAKERS NEEDED FOR FUTURE MEETINGS—CONTACT Debbie.abrego@Cummins.com

SAFETY HUMOR WE ARE ALWAYS LOOKING FOR HUMOR IN TRAINING CLASSES

