March meeting featured Dr. Curl on Agricultural Safety and Health

Our March dinner meeting featured Dr. Cynthia Curl, PhD, Asst. Professor in the Dept. of Community and Environmental Health at Boise State University on “Agriculture Safety and Health.” She stated that there are about 1.8 million full time workers employed in agriculture in the U.S. in 2012, including about 472,000 youth that live/work on farms plus another 259,000 youths hired to work.

Agriculture is the most dangerous industry with fatality rates much higher than mining or construction. According to NIOSH, 516 workers die doing farm work each year in the U.S. and 23,100 children and adolescents are injured on farms each year. Last year half of Idaho’s 14 workplace fatalities involved agriculture. Dr. Curl noted that most fatal accidents happen at smaller operations that fall outside of OSHA jurisdiction. In addition, agriculture includes the youngest and oldest workers, who are more likely to get hurt.

“Agriculture Safety and Health” continued on page 3.

Upcoming Meetings

<table>
<thead>
<tr>
<th>Executive Committee Meeting</th>
<th>Chapter Meetings</th>
<th>Technical Session</th>
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</thead>
<tbody>
<tr>
<td>4-11-16, 11:30 -12:30</td>
<td>4-19-16, 7:15am to 8:30am</td>
<td>“Improving Safety through Mobile Technology” by Clint Wolfley, CSP, CHST, STSC, Board of Certified Safety Professionals</td>
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<tr>
<td>Café Ole; 210 N Milwaukee St, Boise</td>
<td>Albertsons Office, BSSC Trng Rm 3 250 E Parkcenter Blvd, Boise, ID</td>
<td>“New Solutions to Equipment and Facilities Installation Safety Risks Using Integrated Hazard Analysis” by Mollie Anderson, MSSM, Principal Consultant, EORM</td>
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<td>5-17-16, 11:30 to 1:00</td>
<td>6-21-16, 6:30pm to 8:00 pm</td>
<td>7-19-16; 7:15am to 8:30am</td>
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<tr>
<td>Idaho Pizza Co. 6724 N Glenwood St, Boise</td>
<td>Sockeye Grill, 3019 N Cole Rd, Boise</td>
<td>Albertsons Office, BSSC Trng Rm 3250 E Parkcenter Blvd, Boise</td>
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Dr. Beaulieu shared vaping hazards

Harry Beaulieu, PhD, CIH, CSP, FAIHA, President of Industrial Hygiene Resources, presented “Electronic Cigarettes and Vaping: Worker, Consumer and Bystander Hazards” at our February meeting. Harry explained that electronic-cigarettes (e-cigarettes) are battery-powered devices that convert liquid nicotine and flavorings into a vapor that the user inhales. Vaping is promoted as a beneficial smoking cessation tool and an alternative nicotine delivery device that contains no combustion byproducts. However, nicotine is highly addictive and moderately toxic. Vaping poses hazards to worker safety and health, consumer health, bystander health, and also poses safety issues such as battery explosions and child poisoning.

The safety and health issues can be substantial. Harry noted that nicotine is a pesticide and readily absorbs through the skin. It can cause damage to the gastrointestinal tract, central nervous system, and heart. The OSHA PEL is 0.5 mg/m³. Even low exposures can cause tremors, increased heart and respiration rate, and increased blood pressure. The oral LD50 for humans is ~10 mg/kg but 6 mg could be lethal to children. He noted that 5 ml of juice (~110 mg of nicotine) on the skin can cause severe intoxication or even death. In addition, nicotine is a teratogen (CDC) and lab studies say it causes fetal brain cell damage, and learning and attention deficits.

The industry is poorly regulated—poor quality control, inadequate labeling, and inadequate hazard communication.

Harry showed how vaping is marketed to children—in cute Hello Kitty juice! In New York a 1-year old toddler died after ingesting nicotine juice.

Another concern is the explosion of the lithium batteries. FEMA estimates that they had 25 explosions from 2009 to 2014, including one case where a man lost his teeth and had his jaw wired after one exploded in his mouth.

Harry stressed that vaping needs to be regulated, children need to be protected, and safety issues must be addressed.

The April meeting will feature “Improving Safety through Mobile Technology”

Technology is rapidly changing and tablet and phone applications present a great opportunity to streamline processes, improve efficiency and enhance communication, and improve safety at the jobsite. Clint Wolfley, CSP, CHST, STSC, Business Development Director for the Board of Certified Safety Professionals, will share his experience and favorite safety applications with us at our April breakfast meeting.

When: Tuesday, April 19, 7:15 to 8:30 am.
Where: Albertsons Office, BSSC Training Rm 3; 250 E Parkcenter Blvd, Boise, ID

Bring a friend and join us! Please RSVP to snakeriverasse@gmail.com by Friday, April 15, and let us know how many are coming. We hope to see you there!

Call for volunteers!

Do you want to share your passion about safety? We need volunteers to share information about ASSE with BSU and also at an upcoming career day. If you are interested, please email snakeriverasse@gmail.com.
“Agriculture Safety and Health”  
continued from page 1

Injuries are the leading cause of death and include the typical falls, struck-by, caught-between, and electrocution injuries. Agriculture also posed many unique hazards including ATV accidents, grain silos, overhead power lines, rotating parts, tanks, vats, welding, and pesticides.

EPA estimates 10,000 to 20,000 farm workers are poisoned on the job due to pesticide exposures. Pesticides not only affect the applicators, but also the re-entry workers, workers’ families, and surrounding communities. Dr. Curl shared some of her research showing absorbed daily doses versus the reentry interval. Spray drift is a huge problem. She noted that we are growing shorter fruit trees now, but the sprayers are still designed to spray taller trees, causing overdrift.

Dr. Curl did a study of 400 workers’ families in eastern Washington and found that higher pesticide levels in vehicle dust correlated with higher levels in house dust. Her team also found workers with higher levels in their urine had children with higher levels as well.

One bright note is that EPA updated the Agriculture Worker Protection Standard last fall to reduce risks from contact with pesticides. The rule requires mandatory training every 5 years, expands signage, prohibits children under 18 from handling pesticides, and expands PPE requirements.

Dr. Curl ended by stressing that agriculture is a major employer and poses many safety risks. Safety professionals need to be aware of these hazards and get the word out.

Welcome new officers!

Our Chapter Nominations Committee (Amanda Lundgren, Cheryl Rost, Kozzette Bennett, Page Rost) vetted nominees and selected Lea Duffin to join the board as secretary. Lea holds an MS from University of Washington in Exposure Science, currently works for the Idaho State Insurance Fund, and has been involved in the chapter social media and internal financial audit. In accordance with our bylaws, Kozzette Bennett, our current secretary, will become President-Elect, Page Rost will become President, and Susie Vader will be become Past President. All other offices will remain the same, but the committee is currently working to fill a position as a Volunteer Coordinator.

2016 Meeting Schedule

The Snake River Chapter typically meets on the third Tuesday of each month on an alternating schedule as shown below. Meeting locations are announced through e-mails, the newsletter, and the website. Members are responsible for purchasing their own meals. The Executive Committee typically meets the second Monday of every month from 11:30-12:30. Please confirm location, date, and time at snakeriverasse@gmail.com.

<table>
<thead>
<tr>
<th>Breakfast Meetings (7:15-9am)</th>
<th>Lunch Meeting (11:30am-1pm)</th>
<th>Evening Meetings (6:30-8pm)</th>
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<tbody>
<tr>
<td>January 19, 2016</td>
<td>February 16, 2016</td>
<td>March 15, 2016</td>
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<td>April 19, 2016</td>
<td>May 17, 2016</td>
<td>June 21, 2016</td>
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<td>July 19, 2016</td>
<td>August 16, 2016</td>
<td>September 20, 2016</td>
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<tr>
<td>October 18, 2016</td>
<td>November 15, 2016</td>
<td>December 2016</td>
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Other News

Workers’ Memorial Day event planned for April 30

Worker’s Memorial Day is a day to honor workers who have died on the job, to acknowledge the suffering experienced by families and communities, and to recommit to the fight for safe and healthful workplaces.

The local AFL-CIO Central Labor Council has planned an event for Saturday, April 30, 2016 at 10 am at the Idaho Fallen Firefighters Memorial Plaza in Boise’s Riverside Park, near the Greenbelt off Shoreline and S. 17th Street.

Please join us to honor Idaho’s fallen workers.
OSHA finally issues silica rule!

OSHA issued a long-awaited final rule (3-25-16, 81 FR 16285) to limit worker exposure to respirable crystalline silica. The rule aims to reduce development of lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease. They estimate that the rule will save 600 lives and prevent more than 900 new cases of silicosis each year, with projected net benefits of $7.7 billion annually.

The rule is comprised of two standards, one for construction and one for general industry and maritime. According to the rulemaking, about 2.3 million workers are exposed to respirable crystalline silica in their workplaces, including 2 million construction workers who drill, cut, crush or grind silica-containing materials such as concrete and stone, and 300,000 workers in general industry operations such as brick manufacturing, foundries, and hydraulic fracturing (fracking).

Key provisions include:
- Reduces the permissible exposure limit (PEL) for respirable crystalline silica to 50 micrograms per cubic meter of air, averaged over an 8-hour shift.
- Requires employers to use engineering controls (such as water or ventilation) to limit worker exposure to the PEL; provide respirators when engineering controls cannot adequately limit exposure; limit worker access to high exposure areas; develop a written exposure control plan; offer medical exams to highly exposed workers; and train workers on silica risks and how to limit exposures.
- Provides medical exams to monitor highly exposed workers and gives them information about their lung health.
- Provides flexibility to help employers, especially small businesses, protect workers from silica exposure.

Both standards take effect June 23, 2016, after which industries have 1 to 5 years to comply with most requirements, based on the following schedule:
- Hydraulic Fracturing - June 23, 2018, except for the engineering controls provisions, which have a compliance date of June 23, 2021.

For more information, go to: https://www.osha.gov/silica/.

OSHA updates eye and face protection standards

On March 25, 2016, OSHA published a final rule (81 FR 16085) to revise its eye and face protection standards for general industry, shipyard employment, marine terminals, longshoring, and construction by updating the references to national consensus standards approved by the American National Standards Institute (ANSI). This final rule updates the references in OSHA’s eye and face standards to reflect the most recent edition of the ANSI/International Safety Equipment Association (ISEA) eye and face protection standard. It removes the oldest-referenced edition of the same ANSI standard. It also amends other provisions of the construction eye and face protection standard to bring them into alignment with OSHA’s general industry and maritime standards.

The rule becomes effective on April 25, 2016

OSHA outlines hazards from electric generators cooled by hydrogen gas

OSHA has released a Safety and Health Information Bulletin explaining the hazards associated with hydrogen gas-cooled electric generators. In 2011, a worker was fatally burned when an electric drop light and fan sparked a flash fire in a gas-cooled generator. The bulletin describes how employers can prevent similar tragedies. For example, to prevent injury or fatality, employers must ensure hydrogen gas is completely purged from generator housings and bushing boxes before conducting maintenance.
“It Took About 5 Years to Kill Him, and We Got to Watch”
By U.S. Dept. of Labor Secretary Tom Perez, 3-24-16.
https://blog.dol.gov/2016/03/24/it-took-about-5-years-to-kill-him/

When he was a kid, Tom Ward thought his dad was Superman, especially because he worked with his hands. When I sat down with Tom a few weeks ago, he talked about how heroic and invincible his father seemed, about his athleticism and his work ethic. But years of working as a sandblaster had taken their toll. They turned out to be this Superman’s kryptonite.

When he was just 34 years old, Tom’s father was diagnosed with silicosis, a progressive, incurable disease afflicting workers who drill, cut, crush or grind materials like concrete and stone. The disease suffocated him, and he literally worked until he dropped.

Decades later, Tom still gets choked up talking about the day his dad fell to the floor and cried, saying he just couldn’t work anymore. “It took about 5 years to kill him,” Tom says, “and we got to watch.” And it wasn’t just a personal tragedy for Tom, his mother and his sisters; it was a financial crisis, too. They lost everything.

Inspired by his dad’s memory, today Tom works as a masonry trainer for the Bricklayers and Allied Craftworkers in Michigan. He’s teaching many of the safety measures that could have saved his father’s life. And he believes we need a better, updated safety standard that protects people who work around silica dust.

So on behalf of Tom and his family – and the 2.3 million hardworking people exposed to silica in their workplaces – that’s exactly what we’re doing. Today, Tom joined me as the Labor Department’s Occupational Safety and Health Administration announced a final silica rule that will save more than 600 lives a year and protect the health of thousands of others.

This step is a long time coming. Awareness of the dangers of inhaling dust is almost as old as civilization itself – it goes back to stone-cutting in ancient Greece and Rome. And we’ve known how to prevent silicosis for 80 years since my predecessor, Labor Secretary Frances Perkins, convened a panel of experts to study this issue in the mid-1930s.

Throughout recent years, the body of scientific knowledge has expanded – and we know now that breathing in these tiny dust particles can cause lung cancer, emphysema, kidney disease and other diseases. We’ve had a silica standard since the early 1970s, but the overwhelming evidence is that it’s no longer up to the task – in fact, it was out of date from the moment it went into effect.

Now finally, we’re mustering the will to do what needs to be done. At long last, we’re rising to the challenge and taking the bold action this problem demands.

The new rule will substantially reduce the permissible exposure limit, setting it at 50 micrograms per cubic meter of air – that’s half the current limit for general industry and five times more stringent than the current exposure limit for construction. In most cases, this can be achieved using common-sense controls – like wetting down the dust or improving ventilation – to limit exposure. As Tom Ward says: “Turn the water on, turn the vac on.” In fact, some of the necessary equipment can be bought at a well-stocked hardware store.

The rule provides flexibility to employers, giving them room for creativity and options for different ways to achieve compliance. We were very careful to make sure this wasn’t a one-size-fits-all approach.

We also engaged businesses and other stakeholders throughout the process, soliciting their input and incorporating their recommendations. There was a robust comment period, as well as 14 days of public hearings. The final rule contains many changes and improvements from the proposal that we issued in September 2013. Every step of the way, we approached this rulemaking with a keen ear and an open mind. We’ve built a big table and invited everyone to pull up a chair. OSHA also will be all in when it comes to providing technical expertise and compliance assistance to employers.

As always when we take action to raise labor standards, we can expect to hear from plenty of “calamity howlers” – people who will hyperbolically claim that a stronger silica standard will devastate industry and kill jobs. But these kinds of claims never are borne out. The sky-is-falling crowd never finds itself on the right side of history. We can’t be sucked into a false choice between occupational safety on the one hand and a sound bottom line on the other hand. Responsible employers tell me all the time that the two go hand-in-hand.

The cost of doing nothing on silica is unacceptably high. It comes in the form of a slow and painful death for workers like Tom Ward’s father. That’s why we’ve worked so hard and so thoroughly to complete this rule. The tough men and women who work with steel, brick and stone – who build our homes, operate our foundries and maintain our roads – deserve nothing less than the best possible protection. Today, we protect their right – one of our most basic rights of all – to come home safe and sound after a hard day’s work.

https://www.youtube.com/watch?v=HABylIzQSuU&feature=player_embedded
Classes & Conferences

CSP Exam Prep Workshop in Montana!
The Big Sky Chapter is partnering with SPAN International Safety Workshops for a CSP exam preparation course in Missoula, April 19-21. The cost is $900 for ASSE members and $950 for non-members. For more information, contact Marilyn Cameron, Montana Tech at 406-496-4463, mcameron@mtech.edu.

ASSE Webinars
Cost $95 Members/$115 Non-Members
http://eo2.commpartners.com/users/asse/upcoming.php

The Newly Revised ANSI/ASSE Z490 Standard on OSH Training – What You Need to Know! 04/06/2016 at 12:00 PM (EDT)

ISO 14001:2015 Environmental Management Systems (EMS) for a New Era. 04/20/2016 at 12:00 PM (EDT)

Black Belt Leadership: Applying Martial Arts Strategies for Powerful Safety Performance and Culture on 04/27/2016 at 12:00 PM (EDT)

Prevention is the Greatest Protection: Best Practices for Prevention through Design and the Newly Revised ANSI/ASSE Z590.3 Prevention through Design Standard on 05/18/2016 at 12:00 PM (EDT)

Free ASSE webinars for students
ASSE student members have free access to ASSE webinars. Enter your ASSE student member number when you register to automatically receive the free registration. http://www.asse.org/education/virtualclassroom.php

Job Opportunities

Construction Safety Consultant II, Nampa
Northwest Safety and Risk Services, Inc. is a full service safety firm providing professional and confidential safety consulting, risk identification, and loss control services. Our group of qualified safety advisors is experienced in business processes and provides recommendations that are considerate and reasonable. Designed to provide various industries and employers of all sizes Occupational Safety Services throughout the region.

Position Description: A large percentage of the position time will be spent on addressing client safety initiatives. This challenging and exciting position requires a highly motivated and flexible safety professional with ability to work with clients to drive a positive safety culture using innovative and traditional techniques.

In addition to safety expertise, candidate should be an effective communicator, trainer, and leader. Must be able to work independently with the confidence to provide comprehensive site safety management. Must have strategic mindset with related communication abilities to provide effective and operationally sound recommendations, summaries, and guidance to maintain compliance with Federal, State and Local laws and regulations, and industry best practices in order to ensure safe, legal and efficient operations.

Consultant Responsibilities are dependent on assignment, but generally include the following:
- Workplace safety audits, facility inspections, and accident investigations.
- Safety training development and presentation.
- Industrial testing and monitoring of Occupational Hazards.
- Safety program analysis, development and coordination.

Physical Characteristics: Must have the ability to engage in long periods of combined standing and walking, along with use of upper and lower extremities while pushing, pulling or lifting up to a maximum of 50 lbs. Ability to work in both indoor and outdoor locations in varying environmental conditions. Must be able to meet all safety requirements for applicable safety policies and complete a physical job placement assessment.

Travel: Regular travel is required between client locations which may include extended travel and overnight stays up to 25% of workweek. We primarily operate in Southern Idaho, but travel throughout Idaho, Washington, Oregon, Montana, and Alaska may be occasionally required. Travel expenses and a practical per diem is provided when traveling overnight.

Skills: Excellent written and oral communication skills in English; with bilingual Spanish ability ideal. Knowledgeable safety professional with professional appearance and presentation skills. Public speaking in front of small and large groups. Capacity to operate independently and as a team member or leader. Aptitude to develop and maintain effective working relationships with others. Organize time and prioritize tasks to effectively reach desired results. Research ability and problem solving skills necessary.
Proficient computer skills and competency with MS Word, Excel, Outlook, and PowerPoint.

**Qualifications:** Working knowledge of 1926 OSHA regulatory standards for construction. Minimum five years of safety experience in construction with a focus on reducing occupational injuries, and maintaining compliance with regulations and standards.

**Education:** High school diploma or GED required. Degree from an accredited college or university with major course in Occupational Safety & Health or related field preferred.

**Required Certifications:** Authorized OSHA Construction Outreach Instructor required for position duties. Preferred applicants will have already completed the program, or will be eligible to take the courses prior to employment.

**Preferred Certifications:** Applicable certifications and licenses in Occupational Safety and Health and/or training programs. Additional applicable certifications may include Certified Safety Professional (CSP), Associate Safety Professional (ASP), Occupational Health Safety Technologist (OHST), Construction Safety Health Technologist (CHST), or Certified Industrial Hygienist (CIH).

**Language Requirements:** English communication skills required. Bi-lingual Spanish communication skills a plus.

**Wages:** $40,000 - $65,000 annually. Hourly or Salary wages depending on experience, certifications, and education.

**Benefits:** Northwest Safety offers a benefits package for non-temporary employees working 30 hours or more per week. Benefits opportunities include: Customized Healthcare Benefits, Paid Time Off, Paid Holidays, Annual Training Budget, Continuing Education Benefits, Advancement Opportunities, Profit Sharing, and Company Vehicle available or Mileage Paid for travel to client sites.

Notes: Northwest Safety is a drug free workplace and conducts pre-employment, random, and post-accident screenings.

Northwest Safety will not pay for relocation, transportation, living expenses, or offer a per diem expense allowance on this position applicants.

**Applications:** If interested in learning more about career opportunities at Northwest Safety and Risk Services, Inc., please submit your resume, applicable certifications, and driving record for consideration. Applications can only be submitted via email once per Job Posting, so please review it closely prior to submitting. Submit information to info@northwestsafety.com.

**Check out ASSE Career Resources**

ASSE career resources provide extensive support to your career advancement needs. Whether you are searching for the top candidate or your next professional opportunity, H&S Jobs enables you to find the best candidates and opportunities in the field. Members can post jobs at a discounted rate. Go to: [http://jobs.asse.org/](http://jobs.asse.org/)

Go to: [http://jobs.asse.org/jobseeker/search/results/](http://jobs.asse.org/jobseeker/search/results/) and search by Idaho (or other state) or by job function.

**EHSCareers.com**

EHSCareers.com presently has over 500 safety, occupational health & environmental job opportunities posted.  

- All current EH&S job opportunities- [http://www.ehscareers.com](http://www.ehscareers.com).

For more information, contact:  
Susan Bergdoll, Client Services & Support Manager  
706-769-7177 susanbergdoll@ehscareers.com

Are you interested in a career with the Department of Labor? DOL has job opportunities throughout the country, including openings in OSHA: [http://www.dol.gov/general/jobs](http://www.dol.gov/general/jobs) .
Join us! This summit is designed for all industries and worksites, even if they are not in the Voluntary Protection Program (VPP). All safety managers/ coordinators and safety committee members will benefit from this world-class workplace safety training and networking.

**Tuesday, May 17**
Pre-conference workshops on continuous improvement, leadership, communication, soft tissue injury prevention, conflict resolution, and preparedness; including the VPP Application Workshop™.

**Wednesday and Thursday, May 18 & 19**
Tracks:
- VPP Basics
- Strengthening Star
- Management/Leadership
- Technical
- Wellness
- Preparedness

**Registration Fees**
- Pre-Conference Workshop (May 17): $175
- VPP Application Workshop (May 17): $250
- VPP Member (May 18 & 19): $275
- Non-member (May 18 & 19): $325
- One Day (May 18 or 19): $165

**Lodging Information**
A block of rooms is reserved at the event hotel:

**The Grove Hotel**
245 S. Capitol Blvd.
Boise, ID 83702

To make lodging reservations, call the hotel directly at 888-961-5000 before April 25, 2016. Ask for the “Voluntary Protection Program Participants’ Association” room block to receive the conference rate. Rate is for single or double occupancy and is subject to all applicable taxes. Rate may adjust based on prevailing government per diem.

Rate: $89 plus 13% tax

**Questions about the conference?**
Contact the Conference Section in Oregon
503-378-3272
oregon.conferences@oregon.gov
www.regionxvpppa.org
www.orosha.org/conferences

For more information about the Northwest Safety & Health Summit and VPP, visit the Region X VPPPA website
www.regionxvpppa.org