



Summer 2018

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Please send comments and articles to [susievader@gmail.com](mailto:susievader@gmail.com)

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# Snake River Chapter Newsletter

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## May meeting featured harmful algae blooms

Maureen Pepper and Brian Reese from the Idaho Department of Environmental Quality (DEQ) shared their expertise on harmful algae blooms at our May meeting. They explained that, although blue green algae (cyanobacteria) are everywhere, the vast majority is beneficial but under certain conditions the populations of a few species can “bloom” and produce harmful concentrations of cyanotoxins.



Brian noted that although Idaho has seven harmful cyanobacteria species, we are primarily interested in hepatotoxins (which are toxic to the liver and kidney and can kill mammals in a few hours), and neurotoxins (which can kill in as little as 15 minutes and can cause muscle spasms, convulsions, and respiratory paralysis). In 2016 algae in the Snake River near Rupert killed two dogs and three horses! In addition to being toxic to mammals, soils and crops can accumulate harmful algae from irrigation water, potentially inhibiting plant growth.

*Algae blooms continued on page 3*

## Upcoming Meetings

<b>Executive Committee Meeting</b>	
<b>7-2-18; 11:30-1:00</b> Café Ole, 210 N Milwaukee, Boise	Please confirm date and location with <a href="mailto:snakeriverassp@gmail.com">snakeriverassp@gmail.com</a>
<b>Chapter Meetings</b>	<b>Technical Session</b>
6-19-18: 6:00. Payette Brewing, 733 S Pioneer St. , Boise	<b>Technical Tour of Payette Brewing</b>
6-26-18: 6:30 to 8:00 pm No host bar at 6:00. Sockeye Grill, 3019 N Cole Rd, Boise RSVP: <a href="mailto:snakeriverassp@gmail.com">snakeriverassp@gmail.com</a>	<b>SH&amp;E Professionals Mentoring Roundtable, Book Fest, and free dinner!</b>
July	No Meeting. Happy Summer!
8-21-18: 11:30 to 1:00 Idaho Pizza Co. 6724 N Glenwood St RSVP: <a href="mailto:snakeriverassp@gmail.com">snakeriverassp@gmail.com</a>	To be determined
9-18-18: 6:30 to 8:00 pm No host bar at 6:00. Sockeye Grill, 3019 N Cole Rd, Boise RSVP: <a href="mailto:snakeriverassp@gmail.com">snakeriverassp@gmail.com</a>	<b>Earthquakes: What you need to know!</b> By Susie Vader, STS

## Chapter News

### SH&E Professionals Mentoring Roundtable, Book Fest, and free dinner at June 26 meeting!

We will be holding an SH&E Professionals Mentoring Roundtable, Book Fest, and free dinner on June 26, 6:00 to 8:00 pm at Sockeye Grill, 3019 N Cole Road, Boise.

Please join us for networking and no-host bar at 6:00pm, followed by a brief meeting. Dinner will be provided thanks to our generous sponsors **BasicSafe** and **Waterland LLC**. We are soliciting one more sponsor if you are interested!

Our roundtable will feature Nate Spencer (Area B Director from Region 2 ASSP), David Kearns (OSHA Idaho Area Director), Jerret Bratton (Safety Manager, Micron), and Emilee McCullough (recent graduate).

The SH&E field can be vast – and little decisions can make a big difference in a professional career. The intention of this meeting is to provide open feedback and answers to questions that many new professionals have about the many specializations and work performed within the profession, and what actions can be taken to start them off on a desired trajectory into the future. We also will be enlisting the help of chapter members to be assigned as mentors to students entering the SH&E field.

We're also having a Technical Book Fest! We have seven boxes of technical safety, environmental and industrial hygiene books (in pretty much perfect condition) available for free or for an optional small donation (which will fund student memberships). These are primarily from the late Willie Piispanen's collection, including some he co-authored! They include ASSE's *The Safety Professionals' Handbook*, ASSE's *Construction Safety Management and Engineering*, *The Occupational Environment-Its Evaluation and Control*, *NSC Supervisor's Safety Manual*, and many ergonomic and environmental manuals and reference books. This is a perfect opportunity to start or expand your collection of *essential* reference books. You will not be disappointed.

Please RSVP at [snakeriverassp@gmail.com](mailto:snakeriverassp@gmail.com) so we can get an accurate count for dinner! We hope to see you there!



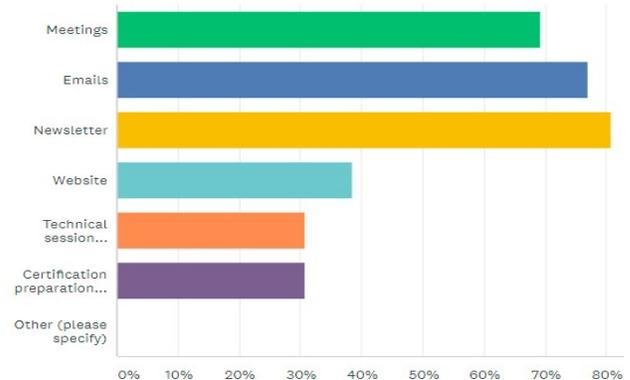
### Survey results are in!

We received a 16% return on our survey of 166 members and we learned what you want out of the chapter!

About 23% of our members live outside of Treasure Valley. For outreach these folks preferred the newsletter, followed by a tie between video recordings on the website and interactive webinars.

We asked you what influences whether you attend meetings. Time of day was most important, closely followed by technical session and proximity (tied), then by day of week, and lastly, restaurant. The majority preferred lunch meetings, followed by dinner, then breakfast meetings.

The following chart shows the preferred methods of outreach. The newsletter, emails, and meetings led the way, followed by the website, then technical session recordings and certification prep course and study groups. You indicated you would like a tour of the JUMP facility by



someone involved in the construction and a tour of Idaho National Laboratory. You also would like technical sessions on occupational diseases, emerging issues with OSHA, styrene exposure, current regulations and best practices, air monitoring, hazard identification, LOTO, HazCom, safety culture, current advances, resource sharing, fire fighter safety, and more topics related to top OSHA violations. We will work to deliver these!

We asked what else we could do to bring value to members. One person noted that busy jobs keep them from attending, but the newsletters/minutes are beneficial. We also received requests for a CSP Prep Course, networking, mentoring and information sharing, better technical sessions, and holding meetings near the connector or freeway. We were also asked to improve Safety Fest organization, but we're not in charge (contact [susievader@gmail.com](mailto:susievader@gmail.com) and I'll relay feedback to the team).

*Member survey continued on page 3*

## Member survey *continued from page 2*

We also received some responses for volunteers and we will be in touch. It was an anonymous poll, so if you did not leave your contact info, please email us at [snakeriverassp@gmail.com](mailto:snakeriverassp@gmail.com).

Thank you all very much for your responses! We will do our best to serve you better!

## Algae blooms *continued from page 1*

It is not a new problem, but is found more frequently. Blooms were recorded in the upper Snake River basin in the 1970s; north Idaho blooms killed cattle, dogs, and wildlife in 1980s; and in the 1990s a Cascade Reservoir bloom killed 23 cattle. Most blooms are downstream from areas with heavy nutrient loading such as populated areas, wastewater treatment plants, and agricultural runoff. Water body temperatures are rising, and above 80°F cyanobacteria out-compete everything and produce toxins. And, they persist. Last December they found blooms under the ice at Cascade Reservoir!

Brian worked at Brownlee Reservoir in 2016 where they measured levels greater than 1000 ppb, far exceeding EPA's recommended 4 ppb criteria for *recreational* waters.



Maureen noted algaecides are not the answer. The toxin is contained within the cell, and when the cell ruptures, those toxins are released and still reside in the water that is used

by homeowners and farmers for livestock watering and irrigation. Cyanotoxins taken up by produce pass directly through cattle to the dairy.

Brian discussed exposure pathways. Some cyanotoxins are toxic by ingestion and some are dermal toxins. Chronic exposure of one toxin is associated with Alzheimer's and another promotes tumors. He shared a sobering map of U.S. cyanobacteria bloom coverage in 2005 from a paper that found a statistically significant association between cyanobacterial blooms and non-alcoholic liver disease (Zhang, Feng et al. "Cyanobacteria Blooms and Non-Alcoholic Liver Disease: Evidence from a County Level Ecological Study in the United States." *Environmental Health* 14 (2015): 41. *PMC*. Web. 1 June 2018.)

Maureen shared the DEQ website at <http://www.deq.idaho.gov/water-quality/surface-water/recreation-health-advisories/>. The interactive map depicts current surface water advisories including E. coli and harmful algae. The Health and Welfare site at <https://healthandwelfare.idaho.gov/Health/EnvironmentalHealth/HarmfulAlgalBlooms/tabid/2174/Default.aspx> includes FAQs and flyers.

Last summer Idaho agencies developed a response plan. DEQ will identify the blooms/levels and health districts will issue advisories. Maureen discussed how they are identifying vulnerable drinking water systems. Six volunteer public water systems are participating in a pilot program and will sample for cyanobacteria.

Cyanobacteria Monitoring Collaborative at <https://cyanos.org> has an app called BloomWatch. You can load the app on your phone, take a photo of a bloom, and upload it. They will then send it to DEQ (or the appropriate state) so they can grab a sample.

In addition, if you have access to a microscope, the National Oceanic and Atmospheric Administration is soliciting volunteers to sample water bodies at regular intervals. Please contact Brian at [Brian.Reese@deq.idaho.gov](mailto:Brian.Reese@deq.idaho.gov).

This was a very interesting, interactive, and terrifying presentation. We are dealing with a fairly uncontrollable toxin that can pollute our drinking, irrigation, and recreational waters; crops and livestock; and can kill in minutes. We're just learning the possible effects and we have no instant remedies. I urge everyone to download the BloomWatch app and report possible blooms, and also to volunteer to sample a waterway. The recording will be posted on our website at <https://snakeriver.assp.org/> under Technical Session Videos in a few weeks.

## Welcome new members!

We would like to welcome new members Josh Mosier with Kemper Northwest, Zachary Session with Pacific Steel and Recycling, Andrew Sheehy, Cody Hunter with Standlee Premium Wester Forage, and Ty Starkel with Micron!

## ASSP News

ASSE officially became ASSP, the American Society of Safety Professionals at the PDC in June. Our new website is <http://snakeriver.assp.org> and our new email is [snakeriverassp@gmail.com](mailto:snakeriverassp@gmail.com). However, your emails and calendar invitations will still come from [snakeriverasse@gmail.com](mailto:snakeriverasse@gmail.com) until we switch to the new system. Our Facebook will remain as <https://www.facebook.com/SnakeRiverASSE> until I can figure out how to change it!

## SH&E News

### OSHA revises beryllium standard for general industry

On May 4, OSHA issued a direct final rule clarifying aspects of the beryllium standard for general industry as it applies to processes, operations, and areas where workers may be exposed to materials containing less than 0.1% beryllium by weight. The direct final rule will go into effect on July 4 unless OSHA receives significant adverse comments by June 4.

OSHA also announced that it will begin enforcing certain requirements of the beryllium final rule, including the permissible exposure limits in the general industry, construction, and shipyard standards; and the exposure assessment, respiratory protection, medical surveillance, and medical removal provisions in the general industry standard.

The agency will delay enforcement of other ancillary provisions for general industry until June 25, 2018. They plan to issue a proposal to further extend this compliance date for the ancillary provisions to Dec. 12, 2018.



### General industry and maritime silica standard becomes effective June 23

General industry and maritime employers must comply with OSHA's silica standard by June 23, except for phase-in dates for medical surveillance and for engineering controls in the oil and gas industry. Visit the silica webpage at (<https://www.osha.gov/dsg/topics/silicacrystalline>) for guidance on complying with the standard, as well as information on silica sampling and analysis, health effects of silica exposure, and answers to frequently asked questions.

### OSHA proposes rule on crane operators

OSHA has proposed a rule to increase the safety of America's construction sites. The proposal clarifies crane operator certification requirements and reinstates the employer duty to ensure that a crane operator is qualified to safely operate equipment. Comments must be submitted by June 20.



## Classes & Conferences

### ASSP Webinars

For more information, go to:

<https://store.assp.org/PersonifyEbusiness/Events/ASSP-Educational-Events-Calendar/Meeting-Details/productId/89796911>

## Job Opportunities

### OSHA Safety Compliance Officer, Boise

OSHA is looking for a Safety Compliance Officer. Here are the links:

- JOA# **DE-18-SF-OSHA-035** opening date 06/07/18 closing on 06/21/18: <https://www.usajobs.gov/GetJob/ViewDetails/501628800>
- JOA# **MS-18-SF-OSHA-035** opening date 06/07/18 closing on 06/21/18: <https://www.usajobs.gov/GetJob/ViewDetails/501628200>

## Industrial Hygiene Technician, Boise

IHR is a Boise, Idaho health, safety and environmental consulting firm is seeking a dependable, motivated employee with sound STEM knowledge and great people skills. The successful candidate will work under experienced occupational safety and health professionals (CIH and CSP).

Full-time: Position will include approximately 70% field work and 30% office time, variable. This position may require as much as 25% out of town travel (Idaho and region), possibly on short notice to respond to client requirements. Generally, week day work, but evening and weekend work may be required. Flexible hours and longer days may be required to mirror customer's work schedules.

The candidate will be responsible for at least the following job duties:

- 1) Conduct chemical and noise worker exposure monitoring supervised by a certified industrial hygienist (CIH).
- 2) Worker exposure monitoring may include at least; welding fumes, paint mist and vapors, silica dust, asbestos fibers, mold, and noise.
- 3) Conduct asbestos, lead-based paint, mold, and other hazardous material inspections.
- 4) Conduct project monitoring for asbestos abatement, lead-based paint and mold remediation.
- 5) Conduct on-site construction safety work.
- 6) Conduct respirator quantitative fit testing (QNFT).
- 7) Conduct training for workers about asbestos, lead-based paint, hazardous materials, and respirators.
- 8) Documentation of daily abatement project activities, air sampling, and preparation of samples for analyses.
- 9) Report writing with established templates with CIH review and approval. Writing must be clear, concise and accurate using proper English.

### Basic Qualifications:

- Entry level to experienced – pay depends on education and experience
- Studies in STEM-related courses, and familiar with construction.
- Ability to work as part of a team and with professional supervision.
- Willingness to travel regionally for short periods of time.
- Strong organizational skills and strict attention to detail.
- Excellent verbal communication and customer relations skills.
- Excellent computer skills (Microsoft Office).
- Strong writing skills required, including the ability to efficiently and accurately produce technical reports from standardized templates.

- Ability to perform basic mathematical calculations.
- Ability to interact with contractors to maintain safe work sites.
- Ability to complete routine responsibilities with minimal supervision.
- Ability to work with industrial hygiene instruments, including calibration, use in the field, and downloading data.
- Ability to wear personal protective equipment including at least an air purifying respirator and Tyvek® coveralls.
- Must be able to walk and stand for long periods of time, climb ladders and stairs, enter crawl spaces underneath buildings, attics or other confined spaces.
- Must be able to lift and carry 40 pounds.
- Must have a valid driver's license and clean driving record.
- No criminal or felony record. Must be able to pass security clearances.

### Preferred Qualifications:

- Bachelor's Degree or course work in Industrial Hygiene, Occupational Safety and Health (OSHA-related), Engineering, Chemistry, Physics Geology or Biology a plus. Relevant professional experience and certifications will be considered.
- Current certifications to include: AHERA Contractor/Supervisor, AHERA Inspector, EPA Lead-based paint Inspector/Risk assessor, OSHA 30 Hour Construction Industry, OSHA 40 Hour HAZWOPER.
- Working knowledge of buildings and construction, experience conducting workplace health and safety investigations for physical and chemical hazards.

### How to Apply:

No phone calls. Send a cover letter, resume, and three relevant, professional references and unofficial transcripts to: [Serrita@IndustrialHygieneResources.com](mailto:Serrita@IndustrialHygieneResources.com)  
Official transcripts will be required prior to decision to hire.

## Construction Safety Consultant, Boise

First Link Safety is looking for a Construction Safety Consultant for full time permanent position in the Boise area.

Requirements: Minimum of OSHA 30-Hour Construction and 5 years of construction experience with safety responsibilities (Safety Coordinator, Superintendent, Foreman, etc.), CHST, CSP, and/or OSHA 500 preferred. Please contact Brent Smith at First Link Safety, [brent.firstlinksafety@gmail.com](mailto:brent.firstlinksafety@gmail.com). Please attach resume and copies of all safety training certifications and certificates of completion to be considered for an interview.