



AMERICAN SOCIETY OF SAFETY PROFESSIONALS

Mountain Valley Chapter

September is national preparedness month. Be ready for any emergency with this tool kit!

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IN THIS ISSUE

- September Meeting
- Roanoke GO Fest
- Upcoming Education
- Safety Minute- IH and Data Analytics
- OSHA LEP
- Student Chapter Article Contest

OSHA TOP 10

MOST CITED

It's that time of year again! On Tuesday, Sept. 17th at the National Safety Council Safety Congress & Expo, Scott Ketcham, Director of the directorate of enforcement programs for OSHA, announced the 10 most frequently cited workplace safety standards for fiscal year 2024:

1. Fall Protection - General Requirements (1926.501) - 6,307 violations
2. Hazard Communication (1910.1200) - 2,888 violations
3. Ladders (1926.1053) - 2,573 violations
4. Respiratory Protection (1910.134) - 2,859 violations
5. Lockout/Tagout (1910.147) - 2,443 violations
6. Powered Industrial Trucks (1910.178) - 2,248 violations
7. Fall Protection - Training Requirements (1926.503) - 2,050 violations
8. Scaffolding (1926.451) - 1,873 violations
9. Personal Protective and Lifesaving Equipment—Eye and Face Protection (1926.102) - 1,814 violations
10. Machine Guarding (1910.212) - 1,541 violations

UPCOMING EVENTS

REGISTER AT [MOUNTAINVALLEY.ASSP.ORG/EVENT](https://mountainvalley.assp.org/event)

Oct 1	Student Article Submissions Due
Oct 18-20	Roanoke GO Fest



GOLD LEVEL CHAPTER
2023-2024

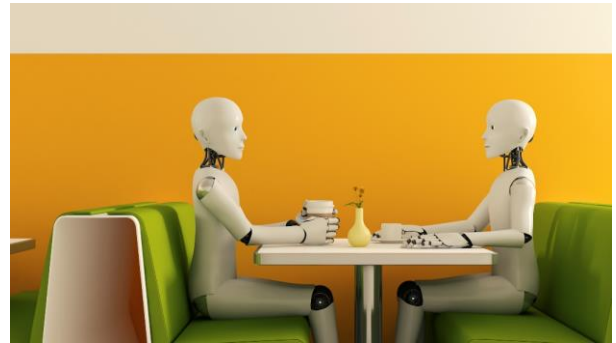
MONTHLY MEETING

SEPTEMBER CHAPTER MEETING

September 9, 2024

In addition to the presentation by Dr. Ushang Desai (which was quite interesting, despite the technical glitches, and which was quite timely given the [article in the Synergist](#)):

- Mountain Valley Chapter has made a donation in honor of Dr. Desai for his generosity in presenting to us! It was really considerate of Dr. Desai to indicate his charity of choice as the [ASSP Foundation](#).
- ASSP Mountain Valley Past President (currently Vice President, Advisory Group Member, and Programs Chair) received his Robert Calhoun Service Award; he was presented a token of the chapter's appreciation for his years of service by Chapter Treasurer, Jesse Phillips, during a CHMM study session sponsored by the Chapter.



UPCOMING MEETINGS

LOCAL AREA EVENT: GO OUTSIDE FESTIVAL

We are excited about our chapter's presence at the 2024 GO Outside Festival in Roanoke, VA and are awaiting final exhibitor approval from the event committee. Several of our members will be in attendance at the festival and we encourage chapter members to attend as well. This annual celebration of outdoor life in the blue ridge show cases the beauty of our region and all it has to offer.

Many of the area businesses will be vending as well as showcasing skills to safely navigate the Virginia wilderness. Find more details at <https://roanokegofest.com/>



IMAGE COURTESY OF [HTTPS://ROANOKEGOFEST.COM/](https://roanokegofest.com/)

UPCOMING EDUCATION

ONLINE COURSE: SAFETY MANAGEMENT I

Date: October 3, 2024, To October 31, 2024 Mondays from 6:00 to 7:30 p.m. CT.

Format: Online Course (Instructor Led)

Credits: 3.0 Continuing Education Units

Register at https://my.assp.org/nc_upcomingevents

Course Description

Occupational safety and health (OSH) processes have fundamental elements and conditions required by regulatory agencies. Develop a foundational understanding of these elements and examine techniques for creating an effective safety management system. Build on or confirm the current conditions of your OSH process to create a road map for an effective safety management system. This course is the first in a three-course series for obtaining ASSP's Certificate in Safety Management. It is designed in weekly learning cycles supported by original content and engaging videos from our expert instructors. You will interact with our instructors and other learner via discussions and assignments to complete your educational goals.

What You Will Learn

- Apply proven techniques to establish accountability for safety efforts
- Identify the elements of a safety management system and discuss strategies for implementing them
- Write effective policy statements and performance standards to help your management team execute its safety responsibilities
- Develop ability to promote safety to various levels in the organization
- Describe the moral, financial and legal responsibilities of today's safety professional
- Create strategies to control workers' compensation costs
- Establish a budget for a safety management effort

Instructors



James "Skipper" Kendrick, CSP, FASSP is a recognized thought leader in management, leadership, safety, education and training. A professional member and Fellow of ASSP, Kendrick holds the Society's Certificate in Safety Management and Executive Safety Certificate, a 32-hour Certificate in Human Performance Improvement from the University of Idaho and certification as a Six Sigma Green Belt. He is a member of the inaugural class of ASSP's Region III Safety Hall of Fame and a recipient of ASSP's Edgar Monsanto Queeny Safety Professional of the Year Award. He has been recognized as Safety Professional of the Year by Region III as well as the Greater Baton Rouge and Fort Worth chapters. Kendrick is the co-creator and facilitator of ASSP's Safety Management I and II and Corporate Safety Management courses, and he is an instructor in the Society's Executive Safety Certificate program. Kendrick holds a B.S. in Industrial Technology from Louisiana State University.



Joel N. Tietjens, CSP, CSHM, FASSP is president of T-JENS & T-JENS Inc. based in Spring, TX. He is a professional speaker, seminar and workshop leader, and management consultant on safety and health management with more than 40 years of experience. His presentations at conferences, management meetings and seminars make him a sought-after speaker and seminar leader. Tietjens is an ASSP Fellow, the highest honor bestowed on members who have demonstrated life-long excellence in safety and service.

SAFETY MINUTE

INDUSTRIAL HYGIENE AND DATA ANALYTICS

In the world of data analytics information is mined from various sources and gathered into meticulous piles to be organized, categorized, and synthesized into digestible formats for target audiences. Industrial hygiene (IH) investigations are themselves a goldmine of raw data waiting to be digested. Many workplaces have years of past IH exposure monitoring data that can be used to make informed exposure assessment decisions, provided that statistical tools are utilized properly.

Many statistical analysis tools exist free of charge with training readily accessible through industry groups like the American Industrial Hygiene Association (AIHA). These tools utilize Bayesian statistical techniques to analyze trends in exposure monitoring data. Using this approach, exposure categories are assigned to the sample set based on the exposure results for each relevant Similar Exposure Group (SEG) using a defined decision statistic (e.g. the 95th percentile). This enables the Industrial Hygienist to determine the probability that the true 95th percentile of the exposure results would fall within one of the AIHA Exposure Rating Categories, which range from 0 (<1% of the Occupational Exposure Limit) to 4 (>100% of the OEL), where 0 represents a negligible exposure and 4 represents a poorly controlled exposure. A confidence rating is also assigned to these results.

Risk decision

► Criterion defining overexposure:

95th percentile \geq OEL

► Uncertainty management : based on the Bayesian model, the probability that this criterion is met (overexposure risk) is:

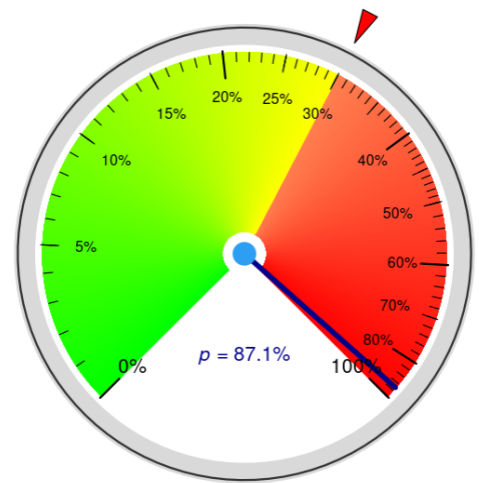
87.1 %

► Uncertainty management : The probability of overexposure (overexposure risk) should be:

< 30%

► As a consequence, the current situation is declared:

Poorly controlled



<https://www.expostats.ca/site/en/tools.html>

Looking at industrial hygiene data in this way can tell us about several things in a short amount of time. By looking at the distribution we can see if the similar exposure groups (SEGs) we have chosen have been selected properly. We can tell if the sampling rates are occurring at the right frequency and if the sample sizes are adequate.

While Bayesian tools are great for statistical analysis, there are ways to take the data a step further. This is also true for any additional information that may be paired with quantitative results. Risk rankings, qualitative analysis, prevention through design, and audit findings to name a few. The numeric output of any of these assessments can be placed into a visual data analytics tool to help drive decision making and impact stakeholders.

It is important to ensure that your data is sound, and your metrics are consistent across multiple collection events. The adage “garbage in equals garbage out” applies here and comes up very often in topical conversations. If establishing a new program align on terms, units of measurement, and other similar parameters at the start. For seasoned programs it is not too late to create a reference or dictionary. Once you have alignment connections can be established to form a total picture of true exposure risks and drive informed decision making. – Amanda Sandidge Engstrom, CIH, CSP, Mountain Valley Secretary

OSHA LEP

DENVER, CO

On July 18, 2024, OSHA issued a Local Emphasis Program (LEP) for Cannabis Industries in the Denver region. The goal of the new directive is to reduce the incidence of serious health and physical injury or death from hazards associated with cannabis processing, growing, cultivating and product manufacturing facilities. As a part of the announcement, OSHA shared the most common citations issued based on 44 inspections that occurred during the last 7 years at cannabis production facilities.

- Hazard Communication (1910.1200)
29 (66%)
- Respiratory Protection (1910.134)
18 (41%)
- Personal Protective Equipment (Excl. RP)
9 (20%)
- Flammable Liquids (1910.106)
8 (18%)
- Electrical Hazards/Classified Locations
(1910.307) 7 (16%)
- Machine Guarding/LOTO (1910.212; 1910.147)
6 (14%)
- Fall Protection & Walking/ Working Surfaces
(1910.28; 1910.22) 4 (9%)

The LEP, in effect through July 18, 2029, wanted to bring attention to “[a]ctivities such as extraction and production of concentrates involve the use of flammable liquids and have resulted in serious injuries to employees from burns and explosions. Other hazards such as electrical issues, exposure to hazardous chemicals and unguarded machinery are also prevalent.”



OCTOBER 1ST DEADLINE

STUDENT CHAPTER ARTICLE CONTEST



The ASSP has a long-standing history of not only supporting career opportunities for budding professionals in the health and safety industries, but also encouraging the building of foundational skill sets within our young talent base. Technical writing is foundational to the industry, but there is also room in there for the weaving of elegant prose heavy with safety acronyms. In partnership with Liberty University's ASSP Student Chapter we are proud to launch the Mountain Valley 2024 Liberty University Safety Article Contest. Below is a list of rules for entry as well as the fabulous prizes that will be awarded to our four chosen winners. The contest will open on August 26th, 2024, and close on October 1st, 2024. The executive committee will then use the judging rubric published to the right of this article to determine the award recipients. Winners will be announced at the October meeting to be announced.

RULES FOR ENTRY

- Must be a member of the Liberty University ASSP Student Chapter in good standing.
- Must submit the article between August 26th and October 1st, 2024, to Professor Diana Schwerha, PhD.
- Articles must be between 300 and 700 words in length.
- Must be the writer's original ethically created work.
- Article topics must be professional and related to the EHS field.

SCORING RUBRIC

Category	Point Scale
Organization: Points awarded for well-structured topic sentences and controlled organization.	1 to 5
Style: Points awarded for planned organization and absence of stiffness.	1 to 5
Content: Points awarded for sophisticated content with well-developed ideas.	1 to 5
Conventions: Points awarded for grammar, spelling, and punctuation.	1 to 5
Presentation: Assessment of overall formatting and visual appeal.	1 to 5
Maximum Points Possible	25

PRIZES

Each of the four winners chosen will receive \$250.00 and their article will be published in an upcoming newsletter as well as featured on our LinkedIn page!

