

SESSION M01 Full Day

Monday 9/19 8:30

Intermediate Level

Industrial Hygiene Track

FEMA Certified SAT2 HAZWOPER Refresher - introduction to terrorism

**Dennis Terpin Senior Industrial Hygienist/Emergency Manager Retired, University of Illinois
Chicago**

ua446@aol.com 630-699-7171

Dr. Terpin Retired Senior Industrial Hygienist and Emergency Manager at The University of Illinois Chicago (UIC). Dr. Terpin serves on the ASTM F23.65 International Respiratory Protection Committee on Protective Clothing and Respiratory Protection and is a Master level Instructor for FEMA/DHS at the Center for Domestic Preparedness.

Topic/Presentation Synopsis:

This eight-hour FEMA/DHS Certified course focuses on training responders to meet the requirements established in the National Fire Protection Association (NFPA) 472, and the Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) 1910.120 (q)(p). This program also exceeds the 29 CFR 1910.120 (HAZWOPER) refresher training requirements for (HAZWOPER) standard. This course takes an all-hazards approach to Hazardous Materials (HazMat), Pandemics and All industry Incidents including acts of terrorism where CBRNE materials may have been used. It provides participants the knowledge to recognize the hazardous material, protect themselves, notify others, secure the scene and the operate under the Incident Command System.

At the end of this presentation, the participant will be able to:

- Identify terms and concepts that are applicable to the prevention and deterrence of terrorist and CBRNE incidents.
- Identify hazardous materials, hazard classes, and response information using the Emergency Response Guidebook.
- Discuss selected chemical and biological agents, including the physiological signs and symptoms of exposure, potential sources, indicators of an attack, and physical characteristics.

SESSION M02 90 minutes

Monday 9/19 8:30

Basic Level

Environmental Track

RCRA Refresher

Martin Hamper Director Roux

Marty Hamper 630-601-7036

Mr. Hamper has more than 30 years of experience focusing on environmental investigation, remediation, emergency response, safety, health, hydrogeology permitting, and compliance matters. He has performed a wide range of assignments in many industries including chemical, petroleum, primary and secondary metals, manufacturing, rail, pipeline, and waste management.

Topic/Presentation Synopsis:

Participants' new to environmental compliance will receive a good introduction to the RCRA program and experienced environmental managers can address their annual RCRA training refresher requirement. An overview of hazardous waste regulations will be provided with specific emphasis on generator requirements: waste analysis, container management practices, satellite accumulation, etc. for hazardous waste, used oil and universal hazardous wastes. Efficient identification and management of wastes can reduce the volume of waste generated and costs associated with waste disposal.

At the end of this presentation, the participant will be able to:

- Better understand the basic statutory, regulatory, permitting and enforcement structure of RCRA
- Use this training towards their required Annual RCRA Training requirements
- Better understand the day to day requirements for managing hazardous waste

SESSION M03 90 minutes

Monday 9/19 8:30

Basic Level

General Safety Track

Work-Related Musculoskeletal Disorders--They CAN be Life-Threatening!

Tim Pottorff Principal QP3 ErgoSystems LLC
t.pottorff@qp3ergosystems.com 847-921-3113

Timothy (Tim) Pottorff, BSc. & MSc., IE, CIE, ARM, is an Ergonomist, Inventor, and Business Owner with over 30-years of global experience. He has worked with thousands of leading companies, focuses on how injuries, illnesses, and job design affect key business metrics, and helps companies improve their operations.

Topic/Presentation Synopsis:

In Construction and other industries, the opioid drug crisis has turned into an epidemic. While 47.3% of overdose fatalities in Construction result from non-medical drugs, the remaining fatalities result from a combination of alcohol, multiple drugs, and medicines. In addition, a disproportionate percentage of women (and those with health insurance) are prescribed opioids for the treatment of pain as they attempt to recover from work-related musculoskeletal disorders (MSDs). In addition, in construction, a frightening number of employees self-report illicit opioid drug use due to a lower pain tolerance related to MSDs.

At the end of this presentation, the participant will be able to:

- Analyze how musculoskeletal disorders exacerbate the opioid epidemic and current treatment methods do not work
- Investigate better methods/models of treating musculoskeletal disorders
- Review the contribution of ISO 45001 to the prevention of musculoskeletal disorders

SESSION M04 90 minutes

Monday 9/19 8:30

Intermediate Level

OSHA Track

Unlock the Mysteries of OSHA's LOTO Standard

Aaron Gelb Partner Conn Maciel Carey LLP

agelb@connmaciel.com 312-868-0294

Aaron R. Gelb is a partner in Conn Maciel Carey's Chicago office where he leads the firm's Midwest OSHA practice. Aaron regularly advises and represents clients in relation to inspections, investigations, and enforcement actions involving federal OSHA and state OSH programs, while managing a full range of litigation against OSHA.

Topic/Presentation Synopsis:

Each year, OSHA's LOTO standard is one of the most frequently cited standards. Citation statistics aside, it is critical for employers to get LOTO right given the potential for programmed inspections under the Amputations NEP and because LOTO violations can be considered "high emphasis hazards" that qualify employers into the Severe Violator Enforcement Program. Despite the importance of this standard, it continues to be one of the least understood. This presentation will highlight the most frequently cited aspects of the LOTO rule, explain some of its most misunderstood provisions , and forecast some potential changes to the rule.

At the end of this presentation, the participant will be able to:

- Recognize common mistakes employers make implementing LOTO programs, such as inadequate annual LOTO inspections and Group LOTO
- Examine nuances of the requirements to develop machine-specific LOTO procedures, and share them with contractors working at your site -
- Understand and learn how to apply the Minor Servicing Exception

SESSION M05 90 minutes

Monday 9/19 8:30

Intermediate Level

Professional Development Track

Safety training across the generational lines

Jeffrey Moran Owner Jeffrey W. Moran Group, LLC

jwmoran900@gmail.com 732-742-0566

Jeffrey Moran, Safety Consultant, retired Shift Commander/Training Officer Woodbridge NJ Fire Dept. Safety and Fire Protection in refineries. Has a Masters of Administrative Science. Undergrad: Fire Science, Poli Sci. NJ EMT, Member ASSP Instructor: N.J. Fire Level II, Drill Ground; OSHA outreach; AHA CPR; Hazmat; Confined space; Fire ground survival;

Topic/Presentation Synopsis:

The presentation will outline basic generational characteristics and how they influence learning. The differences in acceptance of and willingness to question information and how we bridge the gaps to get a message across will be the focus. Methods of inclusion and idea exchanges across generations will be presented.

At the end of this presentation, the participant will be able to:

- Identify basic characteristics of the generations
- Describe the differences in how generations receive and accept information
- Use this information to cross the generations in developing training sessions.

SESSION M06 3 hours (Half Day)

Monday 9/19 8:30

Basic Level

Industrial Hygiene Track

Quick and Easy Chemical Hazard Training

Theodore J. Hogan Associate Professor Northern Illinois University

thogan2@niu.edu 630-341-3939

Ted Hogan is a Certified Industrial Hygienist with a PhD in Environmental and Occupational Health Sciences. He was the corporate head of Safety and Industrial Hygiene for ComEd. As a consultant, Dr. Hogan developed and delivered industry-specific chemical safety training. He is currently an Associate Professor at NIU, where he teaches EHS courses. Dr. Hogan has been a member of the ACGIH TLV Chemical Substances Committee since 2012.

Topic/Presentation Synopsis:

Training workers about chemical hazards can be difficult. But there's a shortcut available using the Safety Data Sheet hazard and precautionary statements that you will be able to apply the next day at work. You will practice extracting key information from an SDS and follow a structured process to develop and deliver short (5 minute) chemical hazard training for specific job tasks.

At the end of this presentation, the participant will be able to:

- Recognize key training resources embedded in SDS
- Determine task-specific chemical exposure risks
- Develop task-specific hazard/control training
- Deliver engaging training to workers

SESSION M07 90 minutes

Monday 9/19 10:15

Basic Level

Industrial Hygiene Track

Silica - Regulatory and Sampling Updates

Rod Harvey Director of IH and Field Services RHP Risk Management, Inc.

Rod Harvey 630-908-0089

Rod Harvey is the Vice President, Client Services for Carnow, Conibear & Assoc., which has their office in downtown Chicago. Rod has spent his entire professional career in environmental health and safety consulting and has over 34 years of experience helping clients in both construction and general industry. He received his Bachelor's Degree in Biology from Lawrence University in Appleton, Wisconsin and his Master's Degree in Environmental Engineering from Illinois Institute of Technology in Chicago. He is a Certified Industrial Hygienist, Certified Safety Professional, Certified Hazardous Materials Manager, and registered as a Professional Engineer in the state of Illinois.

Topic/Presentation Synopsis:

The OSHA silica standards for construction and general industry have been in effect for five years. This presentation will provide an update as to the regulatory requirements and advances in sampling for respirable silica.

At the end of this presentation, the participant will be able to:

- Understand the OSHA silica regulations and how they apply
- How companies are complying with the standard
- Updates to sampling for respirable silica

SESSION M08 90 minutes

Monday 9/19 10:15

Basic Level

General Safety Track

Injury Prevention and the Aging Industrial Athlete

Dr. James Clapper Doctor of Chiropractic; Injury Prevention Specialist Self Employed
dr.jamesclapper@gmail.com 630-774-5504

Dr. Clapper is a nationally recognized speaker & trainer in the field of Occupational Injury Prevention. His experience includes private practice, coaching, clinical teaching physician, speed/agility/quickness & injury prevention training for athletes; and training over 60,000 Industrial Athletes to prevent injuries and re-injuries to muscles, joints and discs.

Topic/Presentation Synopsis:

Muscle, joint & disc injuries are expensive, painful and interruptive, but they are also the most common. Breakthroughs in understanding the physical mechanisms of these injuries have led to effective means of preventing them in the occupational setting. In this interactive & participatory session attendees will have personal, eye-opening moments of realization & have fun doing it.

At the end of this presentation, the participant will be able to:

- Participants will understand the root causes of common soft-tissue injuries and be able to identify these in the workplace.
- Participants will discover their own risk for potentially life altering injuries and take proactive steps to prevent them.
- Participants will participate in and feel effective stretches and proper biomechanics and learn how to incorporate them in everyday life even with physical limitations.

SESSION M09 90 minutes

Monday 9/19 10:15

Intermediate Level

General Safety Track

Seven Practical Steps to Improve Safety & Human Reliability

Jake Mazulewicz Mazulewicz, Ph.D. Director JMA Human Reliability Strategies, LLC

jake@reliableorg.com 804-301-2063

Jake Mazulewicz, Ph.D. shows leaders why errors are just symptoms, and how to address the deeper problem, so everyone can work more reliably and safely. He has a decade of experience in Safety for electric utilities and served as a firefighter, EMT and military paratrooper. To learn more, visit www.reliableorg.com

Topic/Presentation Synopsis:

Errors and surprises in high-hazard industries can end lives, ruin careers, and capsize company reputations overnight. Some teams manage the risk of errors far better than others. What works? What doesn't? Join us to learn the fundamentals of seven key steps successfully used by: pilots, nurses, firefighters, paramedics, electric utility lineworkers, military paratroopers, and other high-reliability teams across the globe. The seven steps are: (1) Take a Learning-Based approach. (2) Build Psychological Safety. (3) Lead After Action Reviews. (4) Apply classic defenses. (5) Improve systems. (6) Build Resilience. (7) Tell stories that change minds.

At the end of this presentation, the participant will be able to:

- Summarize the 7 practical steps to build a culture of safety & reliability
- Show the hidden trap that teams fall into when they rely solely on simple "techniques" to prevent errors.
- Show 3 differences between the Control-Based vs. the Learning-Based approach to errors
- Watch a quick 90-second video overview... <https://vimeo.com/647808495>

SESSION M10 90 minutes

Monday 9/19 10:15

Intermediate Level

Environmental Track

Analysis of SARS-CoV-2 in Naperville Wastewater

Lisa McNames Regulatory Compliance Manager City of Naperville

mcnamesl@naperville.il.us 6304206121

Lisa McNames earned her Bachelor of Science degree in chemistry from Eastern Illinois University. She's worked in environmental labs for 12 years starting at Suburban Laboratories in 2010 where she became the Wet Chemistry and Microbiology Supervisor before taking a new opportunity in 2018 at the City of Naperville's Water department as the Regulatory Compliance Manager in charge of lab operations and reporting for both drinking water and wastewater.

Topic/Presentation Synopsis:

The City of Naperville has participated in several studies throughout the last 16 months to investigate the community spread of COVID-19 through the analysis of wastewater samples taken directly from the Springbrook Water Reclamation Center. This presentation will describe the technique used to analyze these samples and discuss the results that were obtained. Attendees will learn how this data is being used at the local, state, and federal level by health departments as well as the Centers for Disease Control and Prevention and how this type of testing may be used in disease tracking in the future.

At the end of this presentation, the participant will be able to:

- Understand how wastewater is analyzed for SARS-CoV-2
- Understand how wastewater data is being used to investigate COVID-19 community spread
- Understand where we go from here with the insights that have been gained

SESSION M11 90 minutes

Monday 9/19 1:15

Basic Level

Environmental Track

**The Impact of Environmental Justice Requirements on your site
permitting and/or compliance**

Jim Powell Director, Emerging Technologies Mostardi Platt
jpowell@mp-mail.com 630-993-2660

Jim Powell is currently directing Emerging Technologies at Mostardi Platt, a 44-year-old environmental testing and EHS consulting firm doing work internationally. Jim's role is to support and expand the service offerings including Environmental, Health, and Safety (EHS) compliance management, auditing and due diligence, environmental testing and assessment, and continuous emissions

Topic/Presentation Synopsis:

Environmental Justice has been around for the past 20 years but the new administration has brought its focus into the forefront. This topic will discuss the history, the present and the current state of the impact on your facility.

At the end of this presentation, the participant will be able to:

- Provide the history of Environmental Justice, the regulatory guidance, and the methods currently in place to evaluate your facilities impact upon the local community.

SESSION M12 90 minutes

Monday 9/19 1:15

Intermediate Level

General Safety Track

The ZoomTeamsGoTo Challenge of Virtual EH&S Assessments & Training

Tim Pottorff Principal Q

t.pottorff@qp3ergosystems.com 847-921-3113

Timothy (Tim) Pottorff, BSc. & MSc., IE, CIE, ARM, is an Ergonomist, Inventor, and Business Owner with over 30-years of global experience. He has worked with thousands of leading companies, focuses on how injuries, illnesses, and job design affect key business metrics, and helps companies improve their operations.

Topic/Presentation Synopsis:

During the COVID-19 Pandemic, and going forward, many companies switched to virtual office work, and many other companies limited access to their manufacturing facilities by both employees and non-employees. This presented challenges for safety and ergonomics practitioners, used to technology, but not used to conducting most work virtually. This talk will discuss the challenges posed by dozens of virtual industrial assessments and hundreds of virtual office assessments—and review best practices for conducting them.

At the end of this presentation, the participant will be able to:

- Compare and contrast onsite versus virtual assessments in industrial and office settings
- Understand the limitations (and challenges) of remote assessments
- Identify best practices for maximizing the success of virtual assessments

SESSION M13 90 minutes

Monday 9/19 1:15

Basic Level

OSHA Track

OSHA update - New Emphasis Programs.

John A Newquist Partner Newquist Safety

JOHNANEWQUIST@MSN.COM 8153546853

John Newquist is an independent safety trainer, author, and consultant. He has a BS in Fire Protection and Safety Engineering from the Illinois Institute of Technology and a Masters of Science in Industrial Management from Northern Illinois University. He is a Certified Safety Professional.

Topic/Presentation Synopsis:

The session will update the participant on the new OSHA emphasis programs and the status of the Heat standard rulemaking. A review of the most commonly cited standards will be discussed.

At the end of this presentation, the participant will be able to:

- Identify 2 new Emphasis Programs from OSHA
- Explain the Heat Rulemaking
- List commonly cited violations

SESSION M14 90 minutes

Monday 9/19 1:15

Basic Level

Industrial Hygiene Track

The New ANSI Z9.9 Standard on Portable HEPA Air Filtration Devices

Jeffery Camplin President Camplin Environmental Services, Inc.

mundycamp@aol.com 708-284-4563

President of a safety and environmental consulting firm for over 30 years. Past VP of ASSPs Council on Practices and Standards and sub-committee member of the new ANSI Z-9.9-2021 standard. Long time instructor of USEPA's asbestos and lead abatement courses. Illinois licensed asbestos professional and accredited USEPA lead risk assessor.

Topic/Presentation Synopsis:

Earlier this year ANSI released the Z-9.9-2021 standard "Portable Ventilation Systems". This standard discusses portable ventilation systems used for the reduction, control, or prevention of exposure to hazardous atmospheres or airborne substances in the occupational environment. Appendix E of the standard addresses portable ventilation equipment containing air purification filters. These devices are commonly used to filter work areas where asbestos, lead, and mold are disturbed. They are now also being used in some buildings to address COVID concerns. The presentation will address serious leakage issues with portable HEPA filtered devices and processes to evaluate and mitigate these potential hazards.

At the end of this presentation, the participant will be able to:

- Recognize high efficiency particulate air (HEPA) ratings only apply to the filter and not to the filter installed in portable air handling devices
- List the three main leakage problems with portable high efficiency air filtration devices such as vacuums and negative air units
- Understand how to evaluate, test, and manage portable air filtration devices to mitigate hazards associated with it

SESSION M15 3 hours (Half Day)

Monday 9/19 1:15

Basic Level

General Safety Track

Workplace Violence De-Escalation Techniques

Joseph Malone CEO/ Founder Southern Cross

J.Malone@southerncross.com 708-990-4443

Joe Malone is a Self- Defense Expert and professional consultant in the safety and security industries. He spent 13 years in the Marine Corps, mainly under the special operations command (MARSOC Raiders). He now spends his time assisting corporations in workplace safety and security training, helping to mitigate any causes of incidents. He is an ASIS International Certified Protection Profesional (CPP), Certified Cellebrite Mobile Examiner and Instructor (CCME), Nationally Registered EMT, Technical Rescue Team Lead and Specialist, NRA Certified and State Licensed Firearms Trainer/ Instructor, ASHI Certified CPR Instructor, and is OSHA 511 certified. He holds a bachelor's degree in Homeland Security and Emergency Management and has deployed overseas 7 times in support of combat and intelligence-driven operations.

Topic/Presentation Synopsis:

Workplace Violence and De-Escalation Techniques

Learn how to de-escalate, avoid, mitigate, or respond to any workplace type of incident.

At the end of this presentation, the participant will be able to:

- Learn how to mitigate your fear in all situations.
- Know the thresholds of anomalous behavior
- Perform confidently in workplace tensions and confrontations

SESSION M16 90 minutes

Monday 9/19 3:00

Intermediate Level

Environmental Track

Safely Managing your Hazardous Waste

David Osadjan Senior Project Manager Mostardi Platt

dosadjan@mp-mail.com 630-217-8554

David Osadjan has worked in the EHS field for the past 29 years. His work experience includes 13 years with two different hazardous waste disposal companies; and the past 16 years with Mostardi Platt as an EHS consultant, primarily in safety and training. He is an OSHA Outreach Trainer in General Industry. This work history also includes working at the Rockford Household Hazardous Waste site for over 20 years.

David earned a B.S. in Agronomy from the University of Illinois at Urbana-Champaign; and an M.B.A. from Western Illinois University.

David is a U.S. Navy veteran and a Life member of the V.F.W. (Post 9759). He is a father of two college-age daughters. He actively participates in various church activities with the Knights of Columbus.

Topic/Presentation Synopsis:

This session will define what is vs what is not hazardous waste. How the facility can safely manage and dispose of their chemical waste.

At the end of this presentation, the participant will be able to:

- What is hazardous waste
- Learn how to safely manage chemical waste
- Understand the three types of generator status and what it means to you

SESSION T01 90 minutes

Tuesday 9/20 8:30

Advanced Level

Environmental Track

PFAS and PFurious - Are you up to speed on PFAS concerns?

Kate Mitsch Principal BBJ Group

kmitsch@bbjgroup.com 312-219-7777

Kate has more than 15 years of experience in assessing environmental, health and safety risks for private equity, legal, industrial, and commercial clients. Her experience includes pre- and post- deal closure risk and liability quantification, regulatory compliance, post merger integration, and management for multiple clients over the full spectrum of federal, state, and local environmental, health, and safety regulations. Kate has worked across a variety of sectors including, but not limited to, technology, transportation, pharmaceutical, power, mining, manufacturing and commercial real estate. Kate has worked extensively throughout North America. [Kate Mitsch \(bbjgroup.com\)](http://bbjgroup.com)

Topic/Presentation Synopsis:

The world of PFAS is moving at an exponential speed and it's difficult to keep up with this ever changing world. This presentation will include a panel discussion on the dynamic nature of PFAS knowledge and regulation, from a legal, technical, and investor perspective. We will be hosting a panel of speakers that will have an interactive conversation about how these emerging contaminants are affecting landowners, manufacturers, and investors. The current regulatory status of PFAS across federal and state regulations and across various environmental media, will be discussed.

At the end of this presentation, the participant will be able to:

- Primer on PFAS chemicals
- Current regulatory status (federal/state)
- Implications of PFAS being present in your operations/site

SESSION T02 90 minutes

Tuesday 9/20 8:30

Intermediate Level

Industrial Hygiene Track

Managing Building Health in a Post-COVID World

Kevin Aikman Principal Scientist FACS

kevin.aikman@forensicanalytical.com 630-691-8271

Dr. Aikman is a Certified Industrial Hygienist, AIHA Fellow, and Principal Scientist at Forensic Analytical Consulting Services, Inc. with thirty years of consulting experience. He has worked on a variety of projects with a comprehensive understanding in the field of industrial hygiene & IEQ.

Topic/Presentation Synopsis:

The purpose of this presentation is to review what we have learned during the pandemic and the impact on managing building health in the indoor environment. Some of the new challenges involve third party organizations with performance-based systems for measuring, certifying and monitoring features of the built environment that impact human health and wellbeing. This presentation will include a review of the current rating and management systems that include monitoring of air, water, light, fitness, and comfort. An integral part of assessing and managing indoor environmental quality includes understanding building systems and communication with stakeholders.

At the end of this presentation, the participant will be able to:

- Provide an understanding of the current building rating/certification organizations.
- Review of HVAC systems and management of water quality in the built environment.
- Outline issues with stakeholder communications.

SESSION T04 90 minutes

Tuesday 9/20 8:30

Basic Level

Industrial Hygiene Track

High Vacuum Weld Fume Source Capture

Jim Logan Director of Sales - FumeVac Air Quality Group

jimlogan@airqualitygroups.com 517-416-3328

Working over 35 years for a major welder manufacturer and as V.P of a high-performance welding accessories company provided Jim with knowledge related to all aspects of the welding environment. Jim possesses deep knowledge of the principles, processes, and products required to effectively capture welding fume at the source.

Topic/Presentation Synopsis:

The most effective method for mitigating the harmful affects of weld fume contamination is via the proper application of source capture equipment. Such harmful contaminants might include Hexavalent Chrome when welding stainless steel materials, or Manganese when welding more conventional carbon steel applications. This presentation will highlight several methods and best practices for mitigating the fumes and protecting shop floor personnel.

At the end of this presentation, the participant will be able to:

- Learn and see the newest technology for capturing weld fumes at the arc.
- Better understand relevant industry regulations as they apply to actual practice.
- Gain insight into the differences between the methods and where each is most effective.

SESSION T05 90 minutes

Tuesday 9/20 8:30

Advanced Level

General Safety Track

Silence Kills: Seven Crucial Conversations for Healthcare Professionals

Emily Gregory Vice President of Development and Delivery VitalSmarts

emily.gregory@vitalsmarts.com 801-724-6292

Emily Gregory, M.D., is the Vice President of Development and Delivery at VitalSmarts and a dynamic speaker. Dr. Hoffman has delivered engaging speeches to audiences including the American Nurses Association, the Association of periOperative Registered Nurses, Catholic Health Initiatives, and more.

Topic/Presentation Synopsis:

Each year, one in twenty in-patients at hospitals will be given a wrong medication, 3.5 million will get an infection from someone who didn't wash his or her hands or take other appropriate precautions, and 195,000 will die because of mistakes made while they're in the hospital. Though hospitals are going to great lengths to reduce these errors, research shows that there is much room for improvement. This session will address seven crucial areas where healthcare professionals can make the most dramatic and immediate improvement to healthcare safety—and equip attendees with the tools to meet the challenge.

At the end of this presentation, the participant will be able to:

- Identify the seven most common failures in healthcare that result in costly and deadly mistakes.
- Learn skills to confront and resolve these seven common failures, thereby mitigating costly and deadly consequences.
- Apply these crucial skills in everyday work settings, for increased safety, health, and organizational success.

SESSION T06 90 minutes

Tuesday 9/20 8:30

Intermediate Level

General Safety Track

Following Ergonomics Best Practices Amidst COVID-19

Timothy Pottorff Principal QP3 ErgoSystems LLC

t.pottorff@qp3ergosystems.com 184-792-1311

Tim Pottorff is an Ergonomist with nearly 30-years of consulting experience that spans the globe. He has worked with thousands of leading companies across most business sectors and helps them by showing the impact good processes, tool, and equipment design have on key business metrics beyond injuries and illnesses.

Topic/Presentation Synopsis:

The COVID-19 pandemic has turned the world upside down more than since the Spanish Flu Epidemic of 1918. Advantages in 2020 included greater scientific knowledge and ability and modern communications that allowed millions of office-based employees to transition to working from home. However, millions more people, particularly those in essential food processing and manufacturing industries, did not have the option of working at home during the pandemic. This presentation will focus on both the work-at-home employee and those who remained in manufacturing and processing operations.

At the end of this presentation, the participant will be able to:

- Investigate the challenges faced by work-at-home employee and those who remained in manufacturing and processing operations (and others)
- Learn about ergonomics best practices for mitigating industrial ergonomics risks while following COVID-19 best practices
- Identify successful interventions for employees working-at-home

SESSION T07 3 hours (Half Day)

Tuesday 9/20 8:30

Intermediate Level

Industrial Hygiene Track

Understanding Building HVAC Systems and Chemical Fume Hoods During and After COVID

**Dennis Terpin Senior Industrial Hygienist/Emergency Manager Retired, University of Illinois
Chicago**

ua446@aol.com 630-699-7171

Dr. Terpin retired Senior Industrial Hygienist/Emergency Manager for the University of Illinois Chicago. Dennis serves on the ASTM International F23.65 Personal Protective Clothing, Equipment and Respiratory Protection. Dr. Terpin is Certified Master Level Instructor for FEMA/Homeland Security at the Center for Domestic Preparedness (CDP) and The Emergency Management Institute.

Topic/Presentation Synopsis:

Since the COVID-19 pandemic hit more than two years ago, we have been faced with many unique challenges and pieces of conflicting information, such as air changes per vs. air currents, Plexiglass or masks, lack of preplanning, failure to follow existing standard operating procedures, respiratory protection shortages, counterfeit PPE and failure to maintain employee protection standards. All of these and more have had a major impact on schools and posed special challenges within education, healthcare and other industries.

At the end of this presentation, the participant will be able to:

- Define the different types of laboratory ventilation
- Understand the importance of a Chemical Fume Hood Certification program.
- Define the term “ Common Breathable Laboratory Environment.

SESSION T08 90 minutes

Tuesday 9/20 10:15

Intermediate Level

Professional Development Track

Taking Safety from the Office to the Jobsite: What to Say & Do to Demonstrate Commitment

Shae Birkey Industry Account Manager Caterpillar Inc.

birkey_shae_l@cat.com 309-675-5548

Shae Birkey has over 17 years of experience in the EHS profession. His experience ranges from frontline field positions to corporate management roles as an EHS subject matter expert, a corporate auditor & EHS facility manager. His passion is educating others on the process of empowering frontline employees.

Topic/Presentation Synopsis:

Every person in an organization has a specific function to get the job done, and yet all are held “responsible for safety.” Executives, project managers and supervisors have a particularly wide scope of influence and accountability, so it is critical that they demonstrate commitment through both words and actions. It starts with leading by example, but true leadership goes beyond wearing proper PPE and ensuring others do the same. This keynote focuses on tactical activities to create and sustain a culture of positive safety performance through leadership, communication, training and recognition. Safety doesn’t just happen – it is built.

At the end of this presentation, the participant will be able to:

- Learn the cultural trademarks of world class safety organizations
- Understand how to demonstrate visible commitment to safety
- Gain perspective on how to positively hold employees accountable

SESSION T09 90 minutes

Tuesday 9/20 10:15

Intermediate Level

Industrial Hygiene Track

Predicting, evaluating and measuring thermal stress to workers

Adam Sauter Industrial Hygienist Hygieneering (Consultant at Argonne National Laboratory)

ianderson@anl.gov 630-252-5876

Hello, my name is Isabella Anderson. I graduated in 2020 from Illinois State University with a degree in Environmental Health and a minor in Safety. I completed my internship with Will County Health Department in the summer of 2020. After completing the internship, I wanted to pursue the Industrial Hygiene path. I currently work for Hygieneering, located out of Willowbrook. I have been an Industrial Hygienist Consultant at Argonne National Laboratory for almost a year now. I have grown tremendously in the past year, especially pursuing the field of heat stress.

Topic/Presentation Synopsis:

NIOSH, ACGIH and the OSHA technical manual provide recommendations for managing worker exposure to heat stress. Managing heat stress requires detailed analysis of expected conditions, accurate monitoring and sometimes verification through physiological monitoring of workers. An excel spreadsheet will be presented that organizes and simplifies data collection and analysis.

At the end of this presentation, the participant will be able to:

- Explain the exposure limits recommended by ACGIH/NIOSH
- Demonstrate how to predict and evaluate thermal stress conditions
- Show of how to perform physiological monitoring using heart rate using readily available commercial equipment.

SESSION T10 90 minutes

Tuesday 9/20 10:15

Intermediate Level

Professional Development Track

10 Creative and Proven Safety Techniques, Tools and Tactics To turn Around A Problem Plant

Jean NDANA Sr Regional HSE Manger Michigan Seamless Tubes (MST)

ndanaflavor@gmail.com 586-243-9429

Jean Ndana, ASP, CSP, I have been in the HSE arena for 20+ year. My experience in HSE spans across multiple industries. Author of several peer-reviewed articles, was named the 2017 J.J. Keller Safety Professional of the Year and has received a recognition during the 2018 ASSP Innovation Award
Jean Ndana, ASP, CSP, I have been in the HSE arena for 20+ year. My experience in HSE spans across multiple industries. Author of several peer-reviewed articles, was named the 2017 J.J. Keller Safety Professional of the Year and has received a recognition during the 2018 ASSP Innovation Award

Topic/Presentation Synopsis:

Is it possible to reverse several decades-long trend of poor safety performance in only 2 years in a unionized manufacturing plant? Come and learn how, through the use of creative and non-conventional techniques, tools, tactics and routines, one unionized manufacturing plant whose safety performance nearly landed it on OSHA's severe violators list was spectacularly transformed into a bastion of safety and ultimately a profit machine

At the end of this presentation, the participant will be able to:

- Participants will be able to craft a new safety vision for their organization that is behavioral, easy to grasp, inspirational, aspirational and values based
- Participants will be able to design and launch a non-conventional near-miss program that is owned by workers, is easy to implement and produces results
- Participants will be able to design and launch a non-conventional BBS program that is owned by workers, is easy to implement and produces results

SESSION T12 90 minutes

Tuesday 9/20 10:15

Intermediate Level

General Safety Track

Three Practical Ways to Improve Psychological Safety in Your Team

Jake Mazulewicz, Ph.D. Director JMA Human Reliability Strategies, LLC

jake@reliableorg.com 804-301-2063

Jake Mazulewicz, Ph.D. shows leaders why errors are just symptoms, and how to address the deeper problem, so everyone can work more reliably and safely. He has a decade of experience in Safety for electric utilities and served as a firefighter, EMT and military paratrooper. To learn more, visit www.reliableorg.com

Topic/Presentation Synopsis:

Many people believe that holding employees “accountable” for errors will reduce errors. In reality, punishing people for errors strangles communication, erodes trust, and causes more errors. So, what’s the alternative? Increase engagement, communication, and learning by improving Psychological Safety. Join us in this fast-paced presentation to see the evidence, and discover three ways to improve Psychological Safety in your team immediately. To learn more, watch this quick, one-minute video — <https://vimeo.com/510000784>

At the end of this presentation, the participant will be able to:

- Transform five (5) common blame-based statements into more effective, Psychologically Safe statements
- Ask four (4) specific questions that build Psychological Safety
- Write your own "Assurance Statement" to use with your team

SESSION T13 90 minutes

Tuesday 9/20 10:15

Intermediate Level

General Safety Track

What's Going on With Ergonomics?

Timothy Pottorff Principal QP3 ErgoSystems LLC

t.pottorff@qp3ergosystems.com 184-792-1311

Tim Pottorff is an Ergonomist with nearly 30-years of consulting experience that spans the globe. He has worked with thousands of leading companies across most business sectors and helps them by showing the impact good processes, tool, and equipment design have on key business metrics beyond injuries and illnesses.

Topic/Presentation Synopsis:

The science of Ergonomics continues to expand its reach into society. This talk goes beyond "risk factors" and ventures into what the future of Ergonomics already is, and where it may go. This includes the the global regulatory outlook, the conflict between capacity and demands, artificial intelligence, the impact of ISO 45001 on Ergonomics, the battles between sitting & standing, and several additional, interesting topics of which companies of all types may wish to be aware.

At the end of this presentation, the participant will be able to:

- Understanding emerging issues in ergonomics, including AI, exoskeletons, PtD, and more
- Learning about new (2017--2021) lifting and push/pull guidance
- Reviewing the global regulatory situation, and how "occupationally specific" regulations may be something to consider

SESSION T14 3 hours (Half Day)

Tuesday 9/20 1:15

Basic Level

Environmental Track

Solar Installations - Utility perspective on the Economics, Safety Aspects, and the future

Thomas Bruhl Electric Utility Supervisor City of Naperville

bruht@naperville.il.us 630-305-5222

Thomas Bruhl, PE: Thirty years of electric utility experience. Project manager for utility scale ground mounted solar array. Developer of training program for Fire Department with regard to emergency response. Member of the APPA Safety Manual Revision Task Force. Board Member - Energy Education Council. Solar array owner on residence.

Topic/Presentation Synopsis:

Solar and other renewable energy sources are very popular topics. The presentation includes the macro-economics and micro-economics of solar, including the tax credits and SREC's. The basic technical interconnection with the electric grid will be covered. The basic components of solar arrays, how they work, and safety related topics, including first responder issues. Leave plenty of time for questions. I can make the session last 75 minutes or 3 hours.

At the end of this presentation, the participant will be able to:

- Understand the basics of how solar arrays work.
- Understand the basic economics of solar energy production.
- Understand the safety related issues pertaining to solar arrays.

SESSION T15 90 minutes

Tuesday 9/20 1:15

Intermediate Level

OSHA Track

Hot work program

Keith Erwin Safety Instructor DOL-OSHA

Erwin.keith@dol.gov 847-759-7723

Keith Erwin is a Safety Instructor at the OSHA Training Institute conducting training on Federal and State Compliance Safety and Health Officers and Consultants for over nine years. He is also a veteran of 27 years with the US Army as a Flight Instructor and Aviation Safety Officer

Topic/Presentation Synopsis:

Hot Work Program covers definitions and responsibilities of key players that compose of the hot work program in the workplace. Properly trained and equipped Managers, Supervisors, Welders and Fire Watch personnel are important in determining when a hot work permit needs to be utilized and how to properly execute

At the end of this presentation, the participant will be able to:

- How to develop a Hot Work Program
- How to determine if a hot work permit needs to be used.
- How to utilize a hot work permit.
- How to determine if a fire watch is needed.
- How to perform fire watch duties.

SESSION T16 90 minutes

Tuesday 9/20 1:15

Basic Level

Environmental Track

Spill Response Training

David Osadjan Senior Project Manager Mostardi Platt

dosadjan@mp-mail.com 630-217-8554

David Osadjan has worked in the Environmental, Health & Safety field for the past twenty-eight years. He is an OSHA General Industry Outreach trainer.

David has a Bachelor's degree in Agronomy/Crop Protection from the University of Illinois at Urbana-Champaign; and a Master's degree in Business Administration from Western Illinois University.

Topic/Presentation Synopsis:

If your facility handles any type of hazardous chemical, you need to have a plan how to deal with a spill. Whether you plan to clean the spill yourself or evacuate the facility and bring in an outside contractor, you need a Spill Response Plan.

This presentation will provide you with the basics needed for responding to a spill.

Training duration is 2.0 hours, plus Q & A afterwards

At the end of this presentation, the participant will be able to:

- Learn what might go in to your facility's Spill Response Toolkit
- Learn how to properly respond to a chemical spill
- Learn how to manage a spill

SESSION T17 90 minutes

Tuesday 9/20 1:15

Intermediate Level

Industrial Hygiene Track

Hearing Conservation: Ensuring Compliance

Cynthia Chow Audiologist Consulting Audiology Associates

cchow@savehearing.com 708-445-7171

Dr. Chow is an industrial audiologist serving the Chicagoland area. Her professional interests include the prevention and treatment of hearing loss, hearing conservation, and teaching. Dr. Chow received her doctorate of Audiology and doctorate of Philosophy from the University of Wisconsin-Madison.

Topic/Presentation Synopsis:

This presentation will provide an overview of the regulatory requirements of a Hearing Conservation Program. This talk assumes no prior hearing conservation knowledge and aims to provide a framework for health and safety professionals to recognize and implement an effective Hearing Conservation Program at their facility.

At the end of this presentation, the participant will be able to:

- Become familiar with the various aspects of a Hearing Conservation Program.
- Recognize the advantages and disadvantages of various hearing testing strategies.
- Learn what makes a Hearing Conservation Program most effective.

SESSION T18 90 minutes

Tuesday 9/20 1:15

Intermediate Level

General Safety Track

NFPA 70E: Six Key Revisions for 2021

John Foston Field Safety Specialist Grainger Industrial Supply

john.foston@grainger.com 630-532-2035

37 year Qualified Safety Sales Professional; Safety Management Specialist and Field Safety Specialist for Grainger Industrial Supply. In my role as Field Safety Specialist, I assist our customers with ensuring a safe, productive and profitable workplace by assisting with the selection of the correct fitting PPE to, drive compliance.

Topic/Presentation Synopsis:

Since 1979 the National Fire Protection Association's publication of the NFPA 70E Standard for Electrical Safety in the Workplace has served as the "how to" guide to eliminating electrical hazards in the workplace. So, any employer whose workers deal with electricity can benefit from staying up to date with NFPA 70E, which is revised every three years. This session will cover the six key revisions to the 2021 edition of NFPA 70E.

At the end of this presentation, the participant will be able to:

- Define purpose of NFPA 70E
- Provide history of NFPA 70E
- Define six key changes to 2021 edition of NFPA 70E

SESSION T19 90 minutes

Tuesday 9/20 1:15

Basic Level

General Safety Track

Changing Employee Behavior using Participatory Training

Steve Jones Global Ergonomics Program Manager Ecolab, Inc

stephan.jones2@ecolab.com 860-538-9559

Steve Jones CIE, CPE is the global program manager for Ecolab, based in Naperville, IL. With 30 years of practical experience, his expertise is developing solutions to unique and challenging problems. He is passionate about improving safety culture through employee engagement and participatory, memorable training.

Topic/Presentation Synopsis:

Ergonomics training does not have to be the usual, run-of-the-mill lifting or hazards training. At Ecolab, most of our associates work in the field, based out of their homes, at customer sites by themselves or in small groups. This limits the opportunities for safety staff to engage and inform our associates on a regular basis, and affect cultural change. Our Safe Moves training was developed by observing our highest risk job tasks in the field, working with associates to determine safer practices, and combining this information into a compact yet powerful 90 minute interactive training course.

At the end of this presentation, the participant will be able to:

- How to deliver impactful ergonomics training.
- How to engage with employees.
- How to tailor improvements to remote work.

SESSION T20 3 hours (Half Day)

Tuesday 9/20 1:15

Intermediate Level

Industrial Hygiene Track

Adventures in Higher Education Emergency Management

**Dennis Terpin Senior Industrial Hygienist/Emergency Manager Retired, University of Illinois
Chicago**

ua446@aol.com 630-699-7171

Dr. Terpin, Retired Senior Industrial Hygienist and Emergency Manager at The University of Illinois Chicago (UIC). Dr. Terpin, an awarded speaker has over 50-year experience in the Occupational Safety and Health, Laboratory Safety and Emergency Management fields. Dr. Terpin serves on the ASTM F23.65 International Respiratory Protection Committee.

Topic/Presentation Synopsis:

Beyond Traditional Emergency Management deals with unique requirements of Higher Education Incident Management concepts, organization, management, resources, and responsibilities of Higher Education. We will explore Higher Education training inter-reactions challenges such as the Policy Group, Incident Command, NIMS and OSHA Incident Command requirements, Key topics include All hazards prevention, preparedness, response, mitigation, and recovery. The goal is to prevent and reduce the harmful effects of all hazards, including disasters.

At the end of this presentation, the participant will be able to:

- Understanding the Incident Command and National Incident Management System,
- What really happens when the emergency services arrive on your campus.
- Case histories

SESSION T21 90 minutes

Tuesday 9/20 3:00

Intermediate Level

General Safety Track

Legionella Prevention and Control Strategies in Building Water Systems

Madeleine Rebullida Sr. Project Manager Forensic Analytical Consulting Services

mrebullida@forensicanalytical.com 510-330-6026

Madeleine is an ASSE/IAPMO 12080 certified Legionella and Water Pathogen Management Programs (WPMP) Consultant with expertise in outbreak investigations and WPMP development in healthcare, education, biopharmaceutical and commercial settings. Madeleine's educational background includes critical care nursing, environmental science, microbiology and wastewater analysis as well as prior military service.

Topic/Presentation Synopsis:

Discuss approaches to implementation of successful Water Management Programs (WMP) in buildings for the prevention and control of Legionella amplification and subsequent occupant exposure. The presentation will cover elements of a WMP and control strategies and technologies including administrative controls such as temperature and oxidant monitoring and flushing, and engineering controls such as filtration, temperature management and hyperheating, and secondary disinfection. The presentation will include case studies and examples so participants will be exposed to troubleshooting solutions for problems they may encounter when implementing water safety techniques as part of a water management program at a facility.

At the end of this presentation, the participant will be able to:

- Intermediate level understanding of:
- Water hygiene and Legionella prevention and control strategies relevant to current events and regulatory guidance.
 - Key aspects in the development of a water management plan and remediation techniques such for the control of Legionella and other waterborne pathogens.
 - Possible drawbacks of corrosion and by-products formations in the implementation of control techniques.

SESSION T22 90 minutes

Tuesday 9/20 3:00

Intermediate Level

Professional Development Track

Humanizing Safety

Patrick Nelson CEO Loyalty Point Leadership

patrick@loyaltypointleadership.com 507-828-8696

Patrick has gained both local and national accolades for his military service, academic career, and work as a professional speaker and trainer including being named the inaugural NFL-Tillman Military Scholar. He is the recipient of the Bronze Star Medal and the Purple Heart Medal.

Topic/Presentation Synopsis:

We all have experiences where unsafe environments – at home, at work, in life –impacted us in profound ways. These experiences, often untold, have the power to save someone’s life. By building the skills to share our experiences through storytelling, we’re able to inspire (vs mandate) workplace safety behaviors. The practice of storytelling also helps create a culture where individuals feel more closely connected to the safety of others and contributes to a service-based environment where caretaking, collaboration, and teamwork thrive.

At the end of this presentation, the participant will be able to:

- Develop a personal safety stump speech
- Practical tips to help inspire others to take safety personal
- Inspired growth mindset to help increase engagement

SESSION T23 90 minutes

Tuesday 9/20 3:00

Basic Level

Industrial Hygiene Track

What is Industrial Hygiene and Why Should you Care

Ed Stuber Subject Matter Expert SGS Galson

edward.stuber@sgs.com 315-427-4222

Ed is a CIH and ROH with over 35 years of experience in industrial hygiene laboratory operations. He is responsible for all technical aspects of industrial hygiene for clientele and industrial hygiene sampling and analysis projects.

He has presented several PDCs, poster sessions, and roundtables at local and National IH Conferences.

Topic/Presentation Synopsis:

The presentation will go over what is Industrial Hygiene, who are Industrial Hygienists, and how an IH Program benefits both the employee and the employer. It will detail the many aspects of what constitutes an Industrial Hygiene Program.

At the end of this presentation, the participant will be able to:

- Explain what an Industrial Hygiene Program is
- Explain the benefits of a good Industrial Hygiene Program
- Explain who is responsible for an Industrial Hygiene Program in the workplace

SESSION T24 90 minutes

Tuesday 9/20 3:00

Intermediate Level

General Safety Track

Safety, Work Comp, and COVID

Don Phillips Corporate EHS Director NTN USA

dphillips@ntnusa.com 815-791-4053

Mr. Phillips is the Corporate Safety Director for NTN USA, founder and President of SafetyDon, LLC, and a qualified OSHA Outreach trainer in general industry. Don has spoken locally, nationally, and internationally on a wide variety of topics including employee and public safety, compliance, and training.

Topic/Presentation Synopsis:

COVID-19 brought a new wrinkle to workers comp. This interactive presentation will discuss the direct and indirect impact of COVID on claims, regardless of COVID as the source of the claim.

At the end of this presentation, the participant will be able to:

- Identify COVID as work comp
- Identify COVID impacts on non-COVID work comp claims
- Avoiding the traps of COVID impact on claims

SESSION T25 90 minutes

Tuesday 9/20 3:00

Basic Level

General Safety Track

A Proven Method to Reduce the Frequency and Cost of Overexertion Injuries Before You Hire

Rob Teitsma and Chris Pfeiffer Vice President of Business Development Cost Reduction Technologies

rteitsma@costreductiontech.com 616-723-2025

Rob helps employers across industry to reduce the frequency and costs associated with job-related overexertion and cumulative trauma through the use of CRT's proprietary technology. CRT's services include objective, defensible, reproducible, and standardized tests for pre-employment and post-injury applications. He interacts with C-level executives, employers' TPAs, and insurance brokers.

Topic/Presentation Synopsis:

CRT will demonstrate the value of objective testing to identified qualified applicants and employees prior to employers' making a hiring decision. The technology meets the ADA criteria for strength and ability testing--CRT's test is a non-medical test. In addition, CRT's technology can be used by treating physicians to make informed decisions for treatment and rehabilitation in post-injury tests. CRT's technology meets the Federal Courts standards for expert testimony and can be used to determine when the employee has reach pre-injury level. CRT technology can validate the existence of an injury and determine the degree of injury.

At the end of this presentation, the participant will be able to:

- Learn that there is ADA/EEOC compliant physical capability evaluation technology.
- This technology can be used to identify physically capable applicants and employees before hiring or returning to work.
- CRT's technology does produce a positive return on investment by lowering frequency and costs related to overexertion and cumulative trauma injuries.

SESSION T26 Full Day

8:30-4:15 Tuesday 9/20 8:30

Basic Level

OSHA Track

OSHA 10 General Industry (Part 1)

Brent Bryden

brent.bryden@outlook.com

Instructor at LWSC & CSC for Construction Safety and InterActive Safety Solutions for Construction Safety and General Industry Safety & Safety Audits.

Topic/Presentation Synopsis:

10 Hour OSHA General Industry Requirements.

At the end of this presentation, the participant will be able to:

- Hazard recognition, best practices and understanding assessment tools.

SESSION W01 90 minutes

Wednesday 9/21 8:30

Basic Level

General Safety Track

The Shocking Need for Electrical Safety, Inspection & Testing

Richard Rivkin Chief Executive Officer Saf-T-Gard International, Inc.

rrivkin@saftgard.com 847-291-1600

Richard Rivkin is the Chief Executive Officer (past President) of Saf-T-Gard International, Inc., a privately-held family-owned & operated global supplier of industrial safety products based in Northbrook, IL. Rivkin's career spans more than 50 years of innovation & accomplishments including the development & implementation of the Voltgard Test Lab.

Topic/Presentation Synopsis:

Explore the OSHA regulations and ASTM specifications for use, in-service inspection and testing of rubber insulating equipment, and learn how to help protect workers and employers against loss time, costly damage, legal liability, increased insurance premiums and hefty regulatory fines.

At the end of this presentation, the participant will be able to:

- Teach participants how to identify the OSHA requirements for use of rubber insulating equipment, and increase their awareness on the need for rubber insulating equipment in industries other than electrical utilities
- Educate attendees on how to understand and apply the ASTM specifications for the in-service inspection and testing of rubber insulating equipment
- Inform the audience on how to best utilize and maintain rubber insulating equipment for long-term safety, compliance and cost savings

SESSION W02 90 minutes

Wednesday 9/21 8:30

Intermediate Level

General Safety Track

Take your Forklift Operator Training Up a Notch

Gary Salvador Owner Safety First Training Systems, Inc.

safetyfirst1@comcast.net 630-880-2083

Gary Salvador holds a Bachelor of Science degree from Illinois Institute of Technology. He has been an authorized OSHA Outreach Instructor for 20 years and has experience in Industrial Safety as a trainer and supervisor in heavy industry. He is an adjunct faculty member for the National Safety Council.

Topic/Presentation Synopsis:

We will look at ways to make your forklift operator training more interesting and engaging.

At the end of this presentation, the participant will be able to:

- OSHA requirements for operator training
- Making the most of your training sessions
- Testing strategies

SESSION W03 90 minutes

Wednesday 9/21 8:30

Intermediate Level

General Safety Track

Extreme Ergonomics Accommodations

Timothy Pottorff Principal QP3 ErgoSystems LLC

t.pottorff@qp3ergosystems.com 847-921-3113

Tim Pottorff is an Ergonomist with nearly 30-years of consulting experience that spans the globe. He has worked with thousands of leading companies across most business sectors and helps them by showing the impact good processes, tool, and equipment design have on key business metrics beyond injuries and illnesses.

Topic/Presentation Synopsis:

Ergonomists and safety professionals often speak about "routine" cases," however this talk discusses the "Extreme Ergonomics" cases that arise, and where employers had to take additional (and in one case extraordinary) steps to accommodate employees. The focal point of the talk will discuss truly extreme ergonomics accommodation cases, including one about an employee with multiple major medical conditions, and the many steps taken from start-to-finish to achieve a series of accommodations for the various issues discovered.

At the end of this presentation, the participant will be able to:

- Identify unique situations that affected the ability of office-based employees in diverse organizations to work comfortably--and productively
- Participants will learn how empathy and listening to employees' needs are important to successful accommodations and improvements.
- Participants will understand how creative and considerate accommodations can help people with various physical and/or medical conditions to continue working productively.

SESSION W04 90 minutes

Wednesday 9/21 8:30

Advanced Level

Professional Development Track

Creating and Sustaining a Global EHS Compliance Auditing Process

Gary Williams (Former) Director, Environment & Compliance (Former) Ecolab, Inc

garyallen7307@gmail.com 630-605-6292

(Retired) Career experience included Corporate Environmental Director and Regional Vice-President for two major corporations over 17 years. Director of Water Quality Planning & Standards for US EPA. Environmental and management consultant to multi-national corporations over 18 years. BS in Civil/Environmental Engineering from University of Illinois. MBA from University of Chicago.

Topic/Presentation Synopsis:

For this session I will share my experience over 35 years in creating and sustaining corporate EHS auditing processes. Topic is primarily for senior managers and those aspiring to become one, as well as senior consultants advising and managing major corporations in this capacity. The session will cover multiple elements for successful management of a global auditing process, including structure, content, auditor competency, report writing, interviewing, negotiations, data analysis, management expectations and presentations.

At the end of this presentation, the participant will be able to:

- How to create an efficient, successful auditing process
- How to grow and sustain a successful audit process through various challenges
- Share lessons I've learned from my extensive career experience in industry, consulting and government

SESSION W05 Half Day

Wednesday 9/21 8:30 - Noon

Basic Level

OSHA Track

OSHA 10 General Industry (Part 2)

Brent Bryden

brent.bryden@outlook.com

Instructor at LWSC & CSC for Construction Safety and InterActive Safety Solutions for Construction Safety and General Industry Safety & Safety Audits.

Topic/Presentation Synopsis:

10 Hour OSHA General Industry Requirements.

At the end of this presentation, the participant will be able to:

- Hazard recognition, best practices and understanding assessment tools. Hazard recognition, best practices and understanding assessment tools.

SESSION W06 Half Day

8:30-noon Wednesday 9/21 8:30

Basic Level

OSHA Track

OSHA 10 Construction (Part 1)

Eric Hedman Safety Training Specialist City of Naperville

hedmane@naperville.il.us

Eric Hedman had spent 25 years in the fire service seeing first hand how the lack of safety effected many. After retiring, he started a second career as a safety professional, working in various safety positions that included the Chicago Transit Authority, Asplundh Tree Expert, and the City of Naperville.

Topic/Presentation Synopsis:

OSHA 10 Construction is part of the OSHA Outreach Training Program, the course is directed to those involved in construction activities seeking a general level of safety awareness, but at the same time, they are not safety professionals who need a comprehensive level of knowledge.

At the end of this presentation, the participant will be able to:

- Introduction to OSHA
- Introducing Construction Focus Four (Leading causes of death in construction)
- Bloodborne Pathogens- Introduction to OSHA

SESSION W07 3 hours (Half Day)

Wednesday 9/21 8:30

Intermediate Level

Industrial Hygiene Track

Process Safety Concepts for Laboratory Inspections

**Dennis Terpin Senior Industrial Hygienist/Emergency Manager Retired, University of Illinois
Chicago**

ua446@aol.com 630-699-7171

Dr. Terpin Retired Senior Industrial Hygienist and Emergency Manager at The University of Illinois Chicago (UIC). Dr. Terpin serves on the ASTM F23.65 International Respiratory Protection Committee on Protective Clothing and Respiratory Protection. A Master level Instructor for FEMA/DHS is recipient of 3 Domestic Preparedness 5.0 Perfect Instructor Awards.

Topic/Presentation Synopsis:

This session will increase your ability to identify laboratory safety hazards and enhance your understanding of safe laboratory design and operation. The session will explore the different approaches for conducting laboratory inspections. The approaches we will discuss are the laboratory inspection checklist, and an advanced process safety approach to laboratory safety inspection. Topics will include, SOP's, COVID reopening, NFPA 45, 2019 updates, Management Strategies challenges of shared laboratory spaces, understanding immediate danger in the laboratories, storage concerns, work practices, potentially hazardous procedures and equipment, pressurized vessels, vacuum systems, and defining the role of the Chemical Hygiene Officer.

At the end of this presentation, the participant will be able to:

- Define the role of the laboratory inspector
- Identify the key steps involved in laboratory safety operations, inspections and NFPA 45-2019 updates
- Describe the importance of applying process safety concepts to laboratory inspections and the NFPA 45-2019 – 11.2.1, Hazard and Risk Assessment Requirements

SESSION W08 90 minutes

Wednesday 9/21 10:15

Intermediate Level

Industrial Hygiene Track

Noise Hazards, Hearing Protection, and Audiometry

Salvatore Cali Industrial Hygienist Univ of Illinois at Chicago, and OAI, Inc

cali.salvatore@gmail.com 773-844-9180

Mr. Cali teaches IH and Safety at UIC and OAI. He has 30 years experience in exposure assessments and research involving indoor air quality, infection control, healthy homes, ambient air and water quality, and hazardous substances. He is also Principal Investigator for NIEHS worker training & development funding at OAI.

Topic/Presentation Synopsis:

Occupational noise exposure causes hearing loss and impairment to 10-15% of exposed workers. This presentation will cover physical noise principles and relevant biological basics in human hearing as well as OSHA compliance principles. It will outline noise and hearing evaluation techniques and hazards from specific noise sources, and a brief overview of engineering controls. Audiometry and Hearing Conservation Program requirements will also be discussed.

At the end of this presentation, the participant will be able to:

- Define and understand principles of sound; recognize differences between age and Noise Induced Hearing Loss (NIHL)
- Identify and assess noise monitoring as well as and audiometric evaluation techniques
- Locate OSHA standards and become familiar with elements of Hearing Conservation Programs

SESSION W09 90 minutes

Wednesday 9/21 10:15

Intermediate Level

General Safety Track

Tagging In: Why Having an Onsite Therapist is Good for You and Your Bottom Line

**Jason Durnas, DC DACBSP Clinic Director Action Chiropractic and Sports Injury Center
jason@takeactionchiro.com 630-699-9858**

Dr. Jason Durnas is a licensed chiropractor in Naperville and is a Boards Certified Sports Physician. Dr. Durnas specializes in multiple forms of myofascial release and has been working on the sidelines at professional sporting events and helping employees overcome overuse injuries since 2012.

Topic/Presentation Synopsis:

In 2019, there was an estimated 2.9 million workplace injuries, with the average cost of \$42,000. Dr. Durnas has been working onsite in factories and production facilities since 2013, working to reduce OSHA recordable injuries by providing preventative care to employees. He has been trained and well practiced in identifying incorrect motor patterns and lifting mechanics, and will discuss how to prevent them at the anatomical and physiological level. He will also discuss the benefits of having a trained medical professional will not only help your bottom line, but increase productivity and employee morale.

At the end of this presentation, the participant will be able to:

- Identify common causes of overuse injuries and how to address them.
- Learn more about how having an onsite chiropractor can improve production and save your company money.
- Learn how to prevent recordable injuries by utilizing a preventative therapy approach to overuse injuries.

SESSION W10 90 minutes

Wednesday 9/21 10:15

Advanced Level

OSHA Track

OSHA Civil and Criminal Liability Under the Biden Administration

Mark Lies II Attorney Seyfarth Shaw LLP

mlies@seyfarth.com 312-460-5877

Mark is a Labor and Employment Attorney and Partner with Seyfarth Shaw. He specializes in Occupational Safety and Health Law and related employment law and personal injury litigation. He graduated from the University of Notre Dame in 1968 and DePaul University School of Law in 1974.

Topic/Presentation Synopsis:

The program will cover the new members of the Biden administration responsible for OSHA compliance including their announced enforcement agendas. The program will cover the current OSHA enforcement for COVID-19. It will also cover recent OSHA enforcement agendas including heat illness, combustible dust, and workplace violence. It will cover potential civil and criminal liability of employers and managers for non-compliance with OSHA regulations. Attendees will learn how to respond to an OSHA inspection without waiving employer rights including employee interviews and document production. Finally, it will cover how to defend against OSHA citations including the informal conference process.

At the end of this presentation, the participant will be able to:

- Learn the Biden administration new enforcement agendas.
- Learn how to protect yourself from civil and criminal liability.
- How to manage an OSHA inspection successfully.

SESSION W11 90 minutes

Wednesday 9/21 10:15

Basic Level

Environmental Track

Taking Steps Towards Carbon Neutrality

Lillian Woolley Senior Chemical Engineer Fishbeck

llwoolley@fishbeck.com 248-324-4785

Lillian Woolley is an environmental consultant for Fishbeck in the southeast Michigan office. She has more than twenty years of experience doing environmental compliance work with a focus on air quality permitting. Prior to joining Fishbeck, she managed the air quality program at DTE Energy, a gas/electric utility in Michigan.

Topic/Presentation Synopsis:

Consideration of climate change and working toward carbon-neutrality are becoming more important to customers of all kinds. Are you overwhelmed by the scope of reducing your company's greenhouse gas emissions? Never fear - attend this session to hear from an industry leader on benchmarking strategies, how to identify energy-saving solutions, rebates, simple strategies, goal setting, and ways to communicate your progress

At the end of this presentation, the participant will be able to:

- Learn about energy efficiency projects that can reduce your company's carbon footprint
- Setting energy reduction goals and
- Communicating your program to employees and the general public

SESSION W12 90 minutes

Wednesday 9/21 1:15

Intermediate Level

General Safety Track

Let Technology Generate Your Leading Indicators

Clayton Carroll Sales and Marketing Safety 101: Proactive Safety Software

clayton@safety101.com 616-405-3807

Before joining the Safety 101 team, Clayton was National Sales Manager for Falcon RME, a Michigan based manufacturer of road repair equipment.

Clayton holds a BA in Philosophy and Religion from Covenant College.

Topic/Presentation Synopsis:

This course will show you how to improve your safety outcomes by using technology to generate leading indicators. The course will focus on six leading indicators --- one for each element of OSHA's Recommended Practices for Safety and Health Programs (OSHA 3885).

At the end of this presentation, the participant will be able to:

- Understand how to use technology to generate leading indicators.
- Recall from other attendees their best ideas related to leading indicators (during and after the workshop).
- Explain how to use technology to improve safety outcomes

SESSION W13 90 minutes

Wednesday 9/21 1:15

Intermediate Level

Professional Development Track

A goal of "0" : Is it achievable?

Peter VanDerlyke Corporate Director EHS Peco Foods

pvanderlyke@pecofoods.com 205-860-0622

Dr. VanDerlyke has over 25 years of health and safety experience in a variety of industries. He specializes in recognizing cultural opportunities and educating organizational leaders to change how they approach employees to enhance performance through inspiration and engagement.

Topic/Presentation Synopsis:

We hear it all the time from companies and see it on their banners, posters and t-shirts: "Our Goal is 0 Injuries". But is it realistic? This presentation discusses the potential pitfalls of setting, broadcasting and sustaining such a lofty goal. It also allows the attendees the opportunity to think differently on how to actually set and achieve a true measurable goal of 0 when it comes to employee safety.

At the end of this presentation, the participant will be able to:

- Attendees will be able to recognize the importance of shifting from a 0 goal to a 0 mindset.
- Attendees will gain an understanding of how to work collaboratively with operational counterparts to develop truly measurable, attainable and sustainable goals.
- Attendees will be able to accurately describe the pitfalls associated with setting a goal of 0 injuries.

SESSION W14 90 minutes

Wednesday 9/21 1:15

Intermediate Level

General Safety Track

Incident Investigations

Barry Schwalbe Training Coordinator Richland Community College

schwalbe@richland.edu 217-875-7211

Barry Schwalbe is a training coordinator and instructor at Richland Community College in Decatur, IL. Barry has a chemistry degree from Eastern Illinois University and an MBA from the University of Illinois. He is a Certified Hazardous Materials Manager (CHMM) and an OSHA authorized instructor for General Industry and Construction.

Topic/Presentation Synopsis:

Given the occurrence of a workplace incident, the participant will be able to conduct an incident investigation using a systems approach. At the end of this workshop, participants will be able to explain basic incident investigation procedures and apply a systematic process to conducting an incident investigation.

At the end of this presentation, the participant will be able to:

- Explain basic incident investigation procedures;
- Apply a systematic process to conducting an incident investigation; and
- Properly document the investigation

SESSION W15 90 minutes

Wednesday 9/21 1:15

Basic Level

Environmental Track

Air Permitting Primer and New Developments in Illinois

Karen Burchardt Manager, Environmental Engineering Mostardi Platt

kburchardt@mp-mail.com 630-993-2116

Karen Burchardt has been active in the environmental engineering and compliance field since 2000. She specializes in air quality permitting for a variety of industrial clients, helping them to acquire construction and operating permits. She also prepares regulatory interpretations and assists with compliance needs and other critical environmental issues.

Topic/Presentation Synopsis:

The presentation will provide an overview of air permitting requirements for various industrial facilities in Illinois, as well as the process to obtain various types of operating and construction permits. Special types of permits, including ROSS and Permit-by-Rule registrations will be explained. The presentation will also provide tips for maintaining compliance with air permits. The non-attainment issue in the Chicago area, as well as its impacts on permitting requirements, will be discussed. The presentation will also cover ongoing developments in the Illinois EPA Environmental Justice program, which can impact the air permitting process.

At the end of this presentation, the participant will be able to:

- Participants will understand the basic requirements and application process for air permits in Illinois and will become familiar with the variety of air permits that could apply to their facility.
- Participants will learn about the current status of the Chicago-area ozone non-attainment issue and the current impacts on air permitting in the area.
- Participants will learn about environmental justice, and how this issue is related to the Illinois air permitting program

SESSION W16 90 minutes

Wednesday 9/21 1:15

Intermediate Level

Industrial Hygiene Track

Meeting New Challenges, Managing a Respiratory Protection Program

**Dennis Terpin Senior Industrial Hygienist/Emergency Manager Retired, University of Illinois
Chicago**

ua446@aol.com 630-699-7171

Dr. Terpin Retired Senior Industrial Hygienist and Emergency Manager at The University of Illinois Chicago (UIC). Dr. Terpin serves on the ASTM F23.65 International Respiratory Protection Committee on Protective Clothing and Respiratory Protection and is a Master level Instructor for FEMA/DHS at the Center for Domestic Preparedness.

Topic/Presentation Synopsis:

In the battle to protect our workers we have been introduced to a new set of terminology - Source Capture, Source Control vs Respiratory Protection To meet a gap in source control and respiratory protection two important standards and certifications have just been released. The ASTM F3502-21 Standard Specification for Barrier Face Coverings and the NIOSH certification of the First Elastomeric Half Mask Respirator Without an Exhalation Valves , a groundbreaking advancement for healthcare and construction worker protection. We will discuss these topics and many other new challenges that the Respiratory Protection Administrator must face.

At the end of this presentation, the participant will be able to:

- Identify administrative components required for employers to establish and maintain a respiratory protection program in accordance with 29 CFR 1910.134 and (c)(3),
- Review the 2020 COVID-19 temporary changes to 29 CFR 1910.134).
- Identify how to select the correct respirator for a specific job and job site

SESSION W17 90 minutes

Wednesday 9/21 1:15

Intermediate Level

Industrial Hygiene Track

Occupational Disease Claims Assessment

Tim Frazer VP - Industrial Hygiene Practice Leader Chubb Global Risk Advisors

tim.frazer@chubb.com 480-215-7324

Vice President and Industrial Hygiene Practice Leader for Chubb Global Risk Advisors. Responsibilities include assessing the merits of occupational disease and hearing loss claims as well as providing technical support for the claims organization.

Topic/Presentation Synopsis:

This presentation includes a complete discussion of the various issues associated with assessing the merits of an occupational disease claim. Those issues include the agent-response relationship, the dose-response relationship, latency periods, epidemiology, and alternative explanations for a claimed disease. Common diseases assessed are cancers, lung disease and diseases associated with biological agents, such as mold. The end result of the assessment is a report assessing the merits of the claim and an opinion based on the issues noted above.

At the end of this presentation, the participant will be able to:

- To introduce the attendees to the issues associated with assessing the merits of an occupational disease claim;
- To provide examples of how each issue is important for fully addressing the merits of the claim;
- To provide guidance on how an EH&S professional should address such a claim how to provide an opinion on the merits.

SESSION W18 3 hours (Half Day)

Wednesday 9/21 1:15

Basic Level

General Safety Track

Active shooter preparedness, awareness, and response in the workplace

Joseph Malone CEO/ Founder Southern Cross

J.Malone@southerncross.company 708-990-4443

Joe Malone is a Self- Defense Expert and professional consultant in the safety and security industries. He spent 13 years in the Marine Corps, mainly under the special operations command (MARSOC Raiders). He now spends his time assisting corporations in workplace safety and security training, helping to mitigate any causes of incidents. He is an ASIS International Certified Protection Profesional (CPP), Certified Cellebrite Mobile Examiner and Instructor (CCME), Nationally Registered EMT, Technical Rescue Team Lead and Specialist, NRA Certified and State Licensed Firearms Trainer/ Instructor, ASHI Certified CPR Instructor, and is OSHA 511 certified. He holds a bachelor's degree in Homeland Security and Emergency Management and has deployed overseas 7 times in support of combat and intelligence-driven operations.

Topic/Presentation Synopsis:

Workplace Violence and De-Escalation Techniques

Learn how to de-escalate, avoid, mitigate, or respond to any workplace type of incident.

At the end of this presentation, the participant will be able to:

- Learn HOW to run, hide, and fight
- Learn the importance of accountability and recovery
- Understand mitigative techniques that can be practiced in workplace culture

SESSION W19 90 minutes

Wednesday 9/21 3:00

Basic Level

General Safety Track

You've Fallen, Just Don't Hang There – What You Need to Know About Suspension Trauma

Eric Hedman Safety Training Specialist City of Naperville

hedmane@naperville.il.us 630-290-4239

Eric Hedman had spent 25 years in the fire service seeing first hand how the lack of safety effected many. After retiring, he started a second career as a safety professional, working in various safety positions that included the Chicago Transit Authority, Asplundh Tree Expert, and the City of Naperville.

Topic/Presentation Synopsis:

Simply hanging in the air by a body harness waiting to be rescued could be as deadly as the fall itself. Even the first responders coming to help may not know the seriousness of their actions. If you want to protect yourself from a fall, you need to understand the consequences of Suspension Trauma and what to do to remain safe. Going beyond just what the victim needs to know, this presentation will explain what most first responders don't. Having fall protection is important; knowing about suspension trauma and the perils of an improper rescue is even more important.

At the end of this presentation, the participant will be able to:

- Explain how the human body reacts to suspension trauma.
- Demonstrate what to do to keep yourself and employees safe after a fall.
- Demonstrate how to communicate with first responders in order to complete a successful rescue.

SESSION W20 90 minutes

Wednesday 9/21 3:00

Basic Level

General Safety Track

Ladder Safety Proper Use

Chris Murray Jobsite Safety and Security Specialist Werner

chrism@rhinonline.com 224-775-2025

With 12 years in the industrial/construction world, I have spent the last 5 years concentrating on training users and advising management in ladder and fall protection applications in both the industrial and general construction settings.

Topic/Presentation Synopsis:

Will present the proper selection, inspection procedures, and use of ladders in all applications. Will present new ladders and how they solve common issues which are the root cause of many of the ladder injuries throughout the United States. Presentation will concentrate on preventing ladder injuries, but will also cover compliance aspects as ladders violations are the #3 most cited OSHA violation in 2021.

At the end of this presentation, the participant will be able to:

- Prevent ladder injuries
- Bring awareness to OSHA requirements in respect to ladders
- Bring awareness to new products that provide a safer solution to common ladder applications¹

SESSION W21 90 minutes

Wednesday 9/21 3:00

Basic Level

General Safety Track

Drug Testing 101 - Facts and Myths

Tim Thoelecke President InOut Labs

tim@inoutlabs.com 847-657-7900

Tim Thoelecke Jr. is the founder and CEO of InOut Labs. Based in Morton Grove, Illinois, InOut Labs is a national provider of employee drug testing services. With current private sector and state contracts, InOut Labs processes and delivers thousands of tests nationwide for DOT regulated and non-regulated employers.

Topic/Presentation Synopsis:

Employers are expected - REQUIRED - to provide a safe place to work. A drug-free workplace is a safer workplace and drug testing is a tool critical to that end. In this session, we will cover why employers drug test, how drug testing works, regulated vs non-regulated testing, legalized marijuana, protecting employee privacy, post-accident and reasonable suspicion testing.

At the end of this presentation, the participant will be able to:

- Learn how to improve safety by conducting a defensible drug testing program.
- Gain knowledge about how legalized marijuana affects employee drug testing.
- Learn how many employees try to cheat or defeat drug tests.

SESSION W22 90 minutes

Wednesday 9/21 3:00

Intermediate Level

General Safety Track

Optimize Workplace Injury Prevention Through a Data-Driven “3E” Approach

Jon Kabance/Dylan Spratt President BOKINETIX

jacqueline.victoria@biokinetix.com 773-227-4447

As a registered Kinesiotherapist and President of BOKINETIX, Jon has been masterful in combining his expertise in exercise science, kinesiology and education with the real-world demands companies face every day as they look to reduce employee injury rates.

Topic/Presentation Synopsis:

Wearable technology: a powerful tool companies can wield to identify, analyze, and mitigate musculoskeletal injury risk with a higher degree of precision. The data captured by these devices enable safety professionals to zero in on risks associated with specific movements and behavior, then proactively direct attention to high-priority areas, such as departmental trends and high-risk individuals. BOKINETIX President Jon Kabance will be sharing successful strategies for incorporating wearables to augment your existing injury prevention initiatives and leveraging data analysis for “3E” mitigation through hierarchical Engineering, Ergonomics, and Exercise interventions.

At the end of this presentation, the participant will be able to:

- Capture and analyze ergonomic wearable data to identify at-risk movements and behavior
- Utilize the 3E Process to determine appropriate mitigation techniques
- Evaluate mitigation impact and risk reduction

SESSION W23 90 minutes

Wednesday 9/21 3:00

Intermediate Level

Industrial Hygiene Track

The Emerging Trend of Fit-Verification in Hearing Protection

Tom Thunder Principal Consultant Acoustic Associates, Ltd

tthunder@acousticassociates.com 847-359-1068

Tom has a doctoral degree in audiology from Salus University in Philadelphia and has completed post-graduate studies at the Illinois Institute of Technology. in acoustical engineering. He is an emeritus faculty member at Northern Illinois University and Rush University where he taught courses in acoustics, psychoacoustics, and hearing loss prevention.

Topic/Presentation Synopsis:

While engineering controls are the preferred approach to reduce hearing loss in the workplace, many managers have relied on hearing protection to the extent that if it was issued, the noise problem vanished. But since occupational hearing loss is still a serious problem and since the 1979-developed noise reduction rating (NRR) scheme has serious flaws in determining if an HPD is "adequate," we need methods to determine how well a specific HPD works on a specific person. It is time to start conducting fit verification on every employee. This talk will present the various approaches to accomplish this.

At the end of this presentation, the participant will be able to:

- Describe the two laboratory methods to determine the NRR.
- Outline the method used to derate the NRR in determining an "adequate" fit.
- Summarize the three methods to verify the fit of a hearing protector for a specific person.

•

SESSION R01 Full Day

full day Thursday 9/22 8:30

Basic Level

OSHA Track

OSHA 10 Construction (Part 2)

Eric Hedman Safety Training Specialist City of Naperville
hedmane@naperville.il.us

Eric Hedman had spent 25 years in the fire service seeing first hand how the lack of safety effected many. After retiring, he started a second career as a safety professional, working in various safety positions that included the Chicago Transit Authority, Asplundh Tree Expert, and the City of Naperville.

Topic/Presentation Synopsis:

OSHA 10 Construction is part of the OSHA Outreach Training Program, the course is directed to those involved in construction activities seeking a general level of safety awareness, but at the same time, they are not safety professionals who need a comprehensive level of knowledge.

At the end of this presentation, the participant will be able to:

- Introduction to OSHA
- Introducing Construction Focus Four (Leading causes of death in construction)
- Bloodborne Pathogens

SESSION R02 Full Day

Thursday 9/22 8:30

Intermediate Level

Industrial Hygiene Track

Respiratory Program Administrator and Competent Person

**Dennis Terpin Senior Industrial Hygienist/Emergency Manager Retired, University of Illinois
Chicago**

ua446@aol.com 630-699-7171

Dr. Terpin, Retired Senior Industrial Hygienist/Emergency Manager for the University of Illinois at Chicago. Dennis a Certified Fire Officer, HazMat Specialist/EMT instructor, Certified Master Level Instructor for FEMA/DHS at the Center for Domestic Preparedness (CDP) assigned to the HazMat Chemical, Ordinance, Biological and Radiological Live Agent Training Facility (COBRATF).

Topic/Presentation Synopsis:

OSHA 29 CFR 1910.134 and 1910.134(c)(3) – “The employer shall designate a program administrator who is qualified by appropriate training or experience that is commensurate with the complexity of the program”. This session is designed for individuals who may design, develop, implement, administer a respirator protection program. This course will help participants develop and maintain a respiratory protection program that meets the challenges of different industries and comply with required state, and federal regulations

At the end of this presentation, the participant will be able to:

- Define the difference between Source Capture, Source Control and Respiratory Protection,
- Explain what an Occupational Risk Based Approach to Respiratory Protection means,
- Learn how to apply the Mandatory requirements of Appendix A to D

SESSION R03 90 minutes

Thursday 9/22 8:30

Intermediate Level

Professional Development Track

When Safety Goes Awry... Send Lawyers, Guns and Money

Brian Rosenblatt/ Don Phillips Income Member Bryce Downey & Lenkov LLC

brosenblatt@bdlfirm.com 312-327-0056

Brian Rosenblatt's practice is focused in entertainment law, intellectual property, corporate matters, and general liability litigation. Brian is AV rated through Martindale-Hubbell, named to the IL Super Lawyers & Leading Lawyer lists from 2010-2021 and is an active member of the National Academy of Recording Arts & Sciences.

Topic/Presentation Synopsis:

Despite your best planning, newest technology & most stringent safety protocols, something has gone wrong! A workplace incident has occurred! An employee, or so we think, is injured! It's time for that 4AM call to...gulp...the Lawyers! Let's take a look at what actually happens when your legal team is brought in to respond to an incident. What factors come into play that drives up defense & litigation expenses? What can safety directors/risk managers do immediately to preserve evidence? What decisions are made in terms of defense strategy & what can be done to minimize both potential exposure & defense costs?

At the end of this presentation, the participant will be able to:

- Understand the process of involving legal counsel in response to an incident, and what to expect.
- Proactively begin to assist in the defense of claims and help minimize both potential exposure and defense costs.
- Know how to arm your lawyers with the tools they will need to defend your company.

SESSION R05 3 hours (Half Day)

Thursday 9/22 8:30

Basic Level

Environmental Track

Environmental Compliance 101 for Safety Professionals

Jessica Black Senior Environmental Advisor Tora Consulting

Jblack@toraconsulting.com 503-805-3112

Jess has over 20 years of expertise in federal and state multi-media compliance throughout the US and Canada. Jess regularly assists clients with routine plans and reports, as well as responding to violation notices, and developing in-house programs to manage compliance on a daily basis. As a Certified Hazardous Materials Manager (CHMM), ISO 14001 and 45001 Lead Auditor, and 40 Hr HAZWOPER employee, Jess enjoys speaking with and working with folks throughout an organization in order to facilitate an integrated approach to environmental and safety management

Topic/Presentation Synopsis:

Did you find yourself suddenly responsible for environmental compliance, without much training to bring you up to speed? This session is geared toward the seasoned safety professional who wants to know the basics of how to keep their facility in compliance with environmental requirements and out of enforcement. We'll go over the basics of water, waste, and air programs that apply broadly to many types of facilities. We'll also introduce you to some resources that can save time and energy while also promoting a proactive, rather than reactive approach to environmental compliance responsibilities.

At the end of this presentation, the participant will be able to:

- The basic language of environmental compliance
- A description of basic programs and which regulations may apply to your facility
- Where to find resources for environmental compliance when you need a hand, and how to avoid common pitfalls

SESSION R06 3 hours (Half Day)

Thursday 9/22 8:30

Intermediate Level

Professional Development Track

Demonstrating Value to Leadership- Building the Business Case for EH&S/S Projects

Michael Fiore CIH Sr Corp Director, EH&S and Clinical Operations NorthShore University HealthSystem

mfiore2@northshore.org 847-503-2699

Michael works as the Sr Director of EH&S and Clinical Operations for NorthShore University HealthSystem, a nine hospital System. He has 25+ years experience working in government, private industry and healthcare. Michael holds an MPH from UIC and is part of their School of Public Health faculty.

Topic/Presentation Synopsis:

In this interactive session, you will learn and apply a structured 6 step approach to developing a solid business case to help prepare and justify key EH&S (or any) project requests. Included will be real world tips for successfully presenting your business case as well as common pitfalls to avoid.

At the end of this presentation, the participant will be able to:

- Understand and apply basic financial and business terms useful when having dialogue with Senior Leaders regarding a project ask (business case).
- Describe ways to identify and value both financial and non-financial (soft) benefits to support your business case.
- Apply the 6 step approach to demonstrate to management the financial value of health and safety management system actions

SESSION R07 90 minutes

Thursday 9/22 10:15

Advanced Level

General Safety Track

The Implementation of Digital Environmental Safety Software - Tips, Tricks, and Risks

Charles Hisey Sr Manager of US Operations Chemical Safety Software
charles.hisey@chemicalsafety.com 614-678-9978

Charles Hisey is a Sr Manager at Chemical Safety Software.

Over his career, Charles has served as Technical Lead, Project Manager, and Business Analyst in dozens of enterprise software deployments across various Universities, Hospitals, Research Labs, Government Agencies, and Manufacturing Facilities.

Topic/Presentation Synopsis:

Deploying a new Safety Software can present an organization with both opportunities and challenges. Failing to plan for both can result in wasted resources at best and a failed project at worst. In this presentation, I intend to cover the most common challenges faced by organizations of all sizes using recent case studies and stories from my experiences leading the implementation of various software packages over the last twenty years.

We'll explore how to prepare, design, test, train for, and deploy a modern Environmental Management System while avoiding the most common traps of the process.

At the end of this presentation, the participant will be able to:

- How to select and prepare - evaluating vendors, security concerns, licensing and support contracts, data preparation, defining objectives and requirements/RFQs, timelines, understanding your data
- The Design Phase - Voice of your customer, opportunities for improvement, being mindful of the traps, how to capitalize on opportunities
- Go-live and Post-Support - managing change, training, ensuring adoption, defining your long term roadmap-

SESSION R08 3 hours (Half Day)

Thursday 9/22 1:15

Basic Level

OSHA Track

NFPA 101 Life Safety Code

Keith Erwin Safety Instructor DOL-OSHA

Erwin.keith@dol.gov 847-759-7724

Keith Erwin is a Safety Instructor at the OSHA Training Institute conducting training on Federal and State Compliance Safety and Health Officers and Consultants for over nine years. He is also a veteran of 27 years with the US Army as a Flight Instructor and Aviation Safety Officer

Topic/Presentation Synopsis:

The NFPA 101 Life Safety Codebook (LSC) can be difficult to utilize without basic understanding of terms utilized and the structure of the book. This presentation will show you the secrets of how to use the LSC through the use of several group workshops so that you can increase your skill sets in building plan reviews or workplace safety assessments

At the end of this presentation, the participant will be able to:

- Become familiar with LSC terminology
- How to efficiently use the NFPA 101 LSC Book

SESSION R09 90 minutes

Thursday 9/22 1:15

Intermediate Level

Track

Make Safety REAL, Employees Need to VENTTT

Tim Page-Bottorff Senior Consultant SafeStart

tim@safestart.com 6027575054

Tim's career in safety began over 30 years ago as a marine in Operation Desert Storm, assisting contractors in extinguishing the Kuwaiti oil fires. After leaving the military, Tim has consulted in many areas of the safety profession and is currently an Executive Advisor for SafeStart. Tim was awarded the ASSP Society Wide Safety Professional of the Year in 2018 and also received the National Safety Council's Distinguished Service to Safety Award (DSSA). Tim is on the Board of Directors for the American Society of Safety Professionals, is the CEO of Total Safety Compliance, and Lectures for Central Washington University and UC San Diego.

Tim is the author of, "Safety Health and Security in Wastewater Systems" and the "Core of Four", a motivational self-help book to navigate roadblocks to great human performance.

Topic/Presentation Synopsis:

There are many ways to have continuous improvement in safety but one area is often overlooked. This area is when employees do not feel they are given authority to stop work, speak their minds or provide feedback to systems management or human factors improvement. This session will take the audience down the path of Dual Learning Loops. The organizational learning loop provides great systems improvement for outcome reliability, but what about the individual? We need to let our employees VENT. Voice Concerns; Explain Everything in Great Detail; Near Miss Potential? And Treat Everything with Stop Work Authority. Management often states that employees have stop-work authority and can take a time out when needed. But at the same time, employees have never heard this message or there isn't alignment. Tim will identify the areas where organizations find gaps in their systems with a new and fresh framework, as a tool to find these gaps. Supervisors are the key to success.

At the end of this presentation, the participant will be able to:

- Attendees will be able to identify gaps in their feedback loops, in this presentation referred to as learning loops.
- Attendees will be able to organize their approach to identifying gaps in systems and humans together for better collaborative outcome reliability.
- VENT as a tool will be spelled out and show attendees why stop work authority is important but, more importantly, let employees feel empowered about safety.

SESSION R10 3 hours (Half Day)

Thursday 9/22 1:15

Basic Level

OSHA Track

American Heart Association CPR/AED

Jim Stennett Safety Training Specialist City of Naperville

stennettj@naperville.il.us 6303055215

Safety Training Specialist with the City of Naperville

Retired Bolingbrook Firefighter/Paramedic Safety Training Specialist with the City of Naperville

Retired Bolingbrook Firefighter/Paramedic

Topic/Presentation Synopsis:

CPR/AED course

At the end of this presentation, the participant will be able to:

- Identify when to initiate CPR
- Perform high quality CPR
- Operate an AED