

Jerome E. Spear, CIH, CSP, FAIHA

President and Founding Partner

Jerome E. Spear, CIH, CSP, FAIHA, is President of Spear & Lancaster, LLC and has over 33 years of experience helping organizations prevent injuries and illnesses, control losses, and achieve regulatory compliance.

Professional Experience

President and Founding Partner

- Provides safety and industrial hygiene consulting services to help organizations increase profits through the use of risk management and incident prevention techniques.
- Provides forensic services as an expert witness in personal injury and/or property damage matters related to toxic substances, asbestos-related illnesses, industrial accidents, injuries and fatalities, and OSHA compliance.

Safety and Industrial Hygiene Expert

- Extensive experience in preparing and testifying as an expert witness in safety, OSHA, and industrial hygiene matters.
- Routinely conducts industrial hygiene sampling studies for various chemical and physical agents and performs prospective and retrospective exposure modeling for various exposure scenarios.
- Published over 50 safety and industrial hygiene publications in both peer-reviewed and non-peer-reviewed publications.

Education, Licenses, and Certifications

- B.S. in Industrial Engineering (Specialization in System Safety Engineering), Texas A&M University
- MBA (Specialization in Management), Sam Houston State University, 4.0 GPA
- Certified Safety Professional, Construction Specialty (No. 13421)
- Certified Industrial Hygienist, Comprehensive Practice (No. 7690)
- Diplomate, American Academy of Industrial Hygienists
- Professional Safety Source and Field Safety Representative, Arkansas and Texas Workers' Compensation Commissions
- 40-hour Mobile Crane Safety Instructors Course (CB&I, 1993)
- Ergonomics, OSHA #2255 (Texas A&M Engineering Extension Service, 2022)
- Dermal Exposure Assessment Course (AIHA, 2020)
- Exposure Modeling for Industrial Hygienists Using IH Mod 2.0 With Monte Carlo Simulation (AIHA, 2023)
- Censored Data Analysis Course (Exposure Assessment Solutions, Inc., 2021)
- Licensed Mold Assessment Consultant, Texas Department of Licensing and Regulation (License No. MAC0259)
- 16-hour Asbestos Management Planner Course (EPA accredited)
- 24-hour Asbestos Inspector Course (EPA accredited)
- 24-hour Asbestos Abatement Project Designer Course (EPA accredited)
- Licensed Asbestos Management Planner, Texas Department of State Health Services (License No. 205727)



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Work History

2023-Present	President and Founding Partner	Spear & Lancaster, LLC
2004-2023	President	J.E. Spear Consulting, LP
1999-2004	Senior Consultant, Associate, Technical Services Manager	XL Specialty Risk Consulting
1990-1999	Project Safety Engineer, Regional Safety Manager, Corporate Industrial Hygiene Manager	Chicago Bridge & Iron Company, Inc.

Representative Projects

Incident Investigations

- Conducted a fatality investigation involving a 9-year-old boy falling through a pit and into a refuse truck at a solid waste transfer station I in California.
- Conducted an investigation and root cause analysis of a fall incident that resulted in multiple fractures during the construction of pressure vessels at a petroleum refinery in California.
- Conducted incident investigation and root cause analysis training for various organizations. The training included using structured analytical techniques to identify root causes. Topics included events and causal factors charting, change analysis, hazard-barrier-target analysis, cause-and-effect diagram, tree diagramming, behavior analysis, sources of evidence, and mapping/diagramming techniques.
- Prepared an expert witness report based on a review of depositions and documents pertaining to a mobile crane accident at a multi-employer worksite.
- Investigated an incident that resulted in head injuries to an operator of a front-end loader working at a compost site for a municipality in Texas. Provided expert witness deposition.
- Conducted an investigation and root cause analysis of an incident involving burn injuries to an employee performing maintenance and repairs on an existing tank at a petroleum refinery.
- Investigated an incident involving the failure of a jib on an American 9310 Crawler crane at a petroleum refinery in California.
- Conducted an accident analysis study involving rear-end collisions to parked police cars for a municipality in Texas.
- Prepared an expert witness report based on a review of depositions and documents pertaining to an electrocution fatality that occurred to an employee of a contractor installing an air-conditioning system in a mobile home.
- Provided consulting expert services to legal counsel pertaining to a workers' compensation case involving allegations that the claimant's stroke was caused from welding activities performed on a construction site in Pennsylvania.
- Prepared an expert witness report involving electrical shock and burns at an apartment complex.
- Conducted an accident investigation involving burn injuries from hot fly ash that occurred while cleaning fly ash from the upper vestibule of a boiler at a power plant. Prepared an expert witness report related to this incident.
- Reviewed the circumstances and causal factors pertaining to injuries sustained by an employee of a railway company while attempting to unplug a culvert in Minnesota. Prepared an expert witness report related to this incident.



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- Reviewed the circumstances and causal factors pertaining to an incident caused by being struck by a dump truck at a road construction job site. Prepared an expert witness report related to this incident.
- Conducted an incident investigation pertaining to a fire that occurred inside a petroleum storage tank while a maintenance contractor was installing a pressure-relief bypass line on the outside of the tank.
- Provided expert witnesses services, including expert witness testimony at trial, pertaining to a lawsuit involving a fatality from falling from a roof during residential roofing construction activities.
- Provided expert witness services, including testimony at deposition and trial, for incidents that resulted in serious injuries and deaths including those involving lift trucks, mobile cranes, conveyors, construction equipment and operations, trenches and excavations, drilling rig operations, falls from elevations, electrocutions, confined spaces, machine guarding, and multi-employer worksites.

OSHA Compliance

- Performed an on-site evaluation to assist with the investigation of a fatality due to a fall that occurred during the construction of a water tower in Minnesota. Retained by legal counsel to assist with contesting alleged OSHA violations.
- Performed mock OSHA audits and inspections, personal protective equipment (PPE) hazard assessments, and task hazard assessments at various facilities.
- Prepared lockout/tagout energy control procedures and machine guarding assessment at tobacco facilities in Florida and West Virginia.
- Conducted 10-hour OSHA outreach training covering various topics including the Occupational Safety and Health Act, occupational health and environmental controls/hazard communication, cranes and derricks, material handling, motor vehicles and construction equipment, excavations and trenching, concrete and masonry construction, electrical, welding and cutting, demolition, scaffold safety, and fall protection.
- Authored various safety and health standards and programs for various firms and work sites. Topics included, but are not limited to, fall protection, permit-required confined spaces, respiratory protection, scaffolding safety, excavation and trenching safety, ladder safety, first aid, portable fire extinguishers, air-sampling methods, lift truck safety, elevated work platforms, electrical safety, hydrogen sulfide, benzene, cadmium, hexavalent chromium, industrial hygiene exposure assessments, heat stress, and return-to-work.
- Performed a contractor safety assessment during the painting of the containment dome of a nuclear operating company located in Ohio.
- Prepared and reviewed lead compliance plans for various bridge replacement and construction projects in California.
- Prepared a lead compliance plan and provided safety management oversight, including exposure monitoring for lead, for weld repairs performed on a wind tunnel coated with lead-based paint in California.
- Performed a construction site assessment for legal counsel pertaining to OSHA violations a contractor received while performing welding operations inside a confined space at a power plant in Pennsylvania.
- Assisted a tank fabrication company in contesting and resolving alleged OSHA confined space violations.



- Provided 8-hour mobile crane safety training for crane operators, field supervisors, and project managers.
- Conducted a corporate-wide audit of a nationwide industrial construction company. The audit included a review of company programs, on-site visits to two representative job sites, interviews of representative employees, and a preliminary cultural assessment.

Loss Control

- Performed loss control surveys involving multiple lines of insurance coverage (including general liability, products liability, auto liability, workers' compensation, and pollution liability) for a wide variety of clients, including service companies, steel mills, manufacturing facilities, mining operations, and construction sites.
- Assisted insurance underwriters in assessing the risk of mold and environmental claims by performing mold risk reviews and on-site mold/environmental risk assessment surveys for various clients including, but not limited to, commercial buildings, retail establishments, apartment complexes, hospitals, universities, dormitories, warehouses, and manufacturing facilities.
- Prepared a training program on Facilities Management and safety meeting topics for a captive risk pool for municipal entities in Pennsylvania.
- Performed a construction gap analysis for a Fortune 500 biotech firm with sites located in California, Washington, Colorado, Rhode Island, and Puerto Rico.

Industrial Hygiene

- Reviewed the circumstances and conditions related to plaintiffs' exposures to asbestos-containing materials, products, and equipment. Prepared expert witness opinions and testimonies pertaining to plaintiff's exposures for various types of work activities and/or products.
- Provided expert witness services, including testimony and depositions and trials, involving cases across the U.S. pertaining to asbestos-related diseases such as mesothelioma, asbestos, and lung cancer. Reviewed historical occupational and para-occupational exposures and provided opinions pertaining to the risk of plaintiffs' exposures.
- Provided expert witness services on several asbestosis cases involving historical exposures while serving in the U.S. Navy.
- Modeled potential exposures to volatile organic compounds (VOCs) for painting exposure scenarios inside confined and enclosed spaces. Also, calculated airborne concentrations of VOCs for a paint booth exposure scenario to determine if the specified ventilation rate was adequate for the products at the anticipated painting application rate.
- Conducted industrial hygiene sampling for organic vapors during coating and painting applications of tanks, vessels, and other structures. Such exposure assessments have been performed at multiple work sites, which involved the application of numerous different paint and coating products.
- Conducted industrial hygiene sampling for respirable dust and crystalline silica during abrasive blasting activities performed on tanks, vessels, and various other structures. Such exposure assessments have been performed at multiple work sites, which involved the use of various different abrasive blasting media.



- Conducted a plant-wide industrial hygiene review of a facility that manufactures piping and related products. The review included defining similar exposure groups (SEG) by department and task. Qualitative and/or quantitative exposure assessments were conducted for each SEG.
- Conducted heat stress evaluations at a facility in Kansas for a Fortune 500 electronics manufacturing company as well as other manufacturing and construction workplaces.
- Prepared a Best Practices Guide on Heat Illness Prevention and drafted a corporate standard on heat stress for a Fortune 100 company. Prepared heat illness prevention training materials for employees and supervisors.
- Conducted ergonomic assessments and training related to manufacturing, warehouse, construction, office, and industrial work settings.
- Performed an ergonomic assessment of selected tasks associated with oil recycling operations. The purpose of the assessment was to identify predominant job tasks that exposed employees to potential musculoskeletal disorders (MSDs) and/or cumulative trauma disorders (CTDs). In addition to a subjective evaluation of risk factors, an objective approach to the evaluation, based on the Rapid Entire Body Assessment (REBA), was utilized to determine an overall and relative ergonomic risk among each job task. A total of 12 tasks among six job functions were evaluated.
- Provided consultation on heat stress monitoring and control for a steel erection company performing welding operations inside a confined space during a turnaround project at a petroleum refinery in Illinois.
- Conducted a site assessment and testified at deposition and arbitration of an alleged back injury due to lifting cardboard sheets at a corrugated cardboard manufacturing facility.
- Conducted industrial hygiene training for supervisors and managers of a world-wide engineering and construction firm. Topics covered included the recognition, evaluation, and control of chemical agents and physical agents (such as noise, heat/cold stress, etc.).
- Conducted industrial hygiene sampling studies involving hexavalent chromium, welding fumes, crystalline silica, metals, organic vapors, isocyanates, asbestos, benzene, carbon monoxide, formaldehyde, inorganic acids, sodium hydroxide, and various other analytes.
- Prepared lead compliance plans for bridge demolition and replacement projects located in California.
- Performed safety planning and management oversight for a project involving weld repairs and modifications to wind tunnels (coated with lead-based paint) at a NASA facility in California.
- Prepared asbestos and lead operations and maintenance plans for clients.
- Assisted the Steel Tank Institute and Steel Plate Fabricators Association (STI/SPFA) with preparing public comments related to OSHA's hexavalent chromium standard.
- Investigated a dermatitis case experienced by an employee working at an ink printing facility in Texas.
- Assessed the air quality airline respirators supplied by oil-lubricated compressors in accordance with OSHA and the Compressed Gas Association (CGA) Grade D Breathing Air specifications.
- Developed a Hydrogen Sulfide (H₂S) Exposure Control Program for two petroleum terminals located in Panama. The project included an on-site assessment of both terminals to evaluate current work practices. The H₂S program addressed both contractors and employees with potential H₂S exposure including crude oil transfers, gauging activities, sample collections, and work on or in tanks or structures that previously contained crude oil.
- Assessed confined space hazards prior to entry into tanks and vessels at various petrochemical work sites. On-site assessments included performing atmospheric testing for carbon monoxide, hydrogen sulfide, oxygen levels, flammable gas, and other potential atmospheric hazards.



Developed and reviewed safety plans and procedures to mitigate potential confined space hazards.

- Developed a Hydrogen Sulfide (H₂S) Exposure Control Program for a large specialty contractor. The program addressed the recognition, evaluation, and control of potential H₂S hazards while working at refineries and other work sites in the oil and gas industry.
- Assisted an asbestos consulting firm on a per project basis, which included peer-reviewing an asbestos management and abatement program evaluation conducted for a petroleum refinery located in Texas and an asbestos management program self-assessment audit report conducted for a refinery in Washington.
- Assisted an asbestos consulting firm with conducting asbestos inspections. Such inspections included a two-story building prior to demolition, a historical library building prior to renovation, office/commercial buildings prior to renovation, and a library prior to performing renovations.
- Prepared a Best Practices Guide on Respiratory Protection and a companion PowerPoint training program on respiratory protection for a world-wide Fortune 100 company.

Indoor Air Quality

- Assisted Texas A&M TEEEX with developing curriculum for its mold assessment and remediation courses.
- Prepared mold management plans for facilities such as hospitals, apartment complexes, manufacturing facilities, warehouses, commercial buildings, and retail establishments.
- Conducted indoor air quality and mold assessment surveys for various types of buildings including office and commercial buildings, residential homes, warehouses, hospitals, and educational institutions. Environmental parameters included mold and bioaerosols, temperature, relative humidity, carbon dioxide, carbon monoxide, ultrafine particles, formaldehyde, and volatile organic compounds (VOCs).
- Prepared mold remediation protocols and performed post-remediation clearance assessments for various project types including offices and commercial buildings, college classrooms, storage rooms, and residential buildings.
- Provided oversight and assisted in the preparation and planning of a mold remediation project involving the remediation of a wine cellar at a residential home and cleaning over 7,000 mold-contaminated wine bottles.
- Prepared remediation protocols, project oversight, and post-remediation clearance assessments for an apartment unit and off-site storage unit involving bacterial contamination that resulted from a sewer backup, which impacted both building materials and the occupants' personal belongings.
- Performed an indoor air quality assessment at a single-family residential home in Texas pertaining to alleged air quality issues following the installation of a fiberglass shower pan in the master bathroom. Prepared a subsequent expert witness report based on depositions and additional discovery materials provided. Provided expert witness deposition.
- Conducted baseline indoor air quality testing at a United States Coast Guard Station in accordance with the U.S. Green Building Council Leadership in Energy and Environmental Design for New Construction and Major Renovations (LEED-NC) Rating System.



Publications

Spear, J. and Marcum, G. Preparing for a DOT Audit. Water Well Journal. January 2024.

Spear, J. The Seriousness of Heat Illness. Water Well Journal. June 2017.

Mahoney, D., Mahoney, B., and Spear, J. Lawn Tractor Noise Reduction: Results of a Noise Dosimetry Study. Professional Safety. March 2017.

Spear, J. Measuring Safety and Health Performance (Part 2). Water Well Journal. February 2017.

Spear, J. Measuring Safety and Health Performance (Part 1). Water Well Journal. January 2017.

Spear, J. OSHA's New Silica Rule: Understanding the Rule and Having a Plan Can Keep Workers Safe. Water Well Journal. December 2016.

Spear, J. Mobile Crane Safety. Water Well Journal. November 2016.

Spear, J. Controlling Noise. Water Well Journal. September 2016.

Spear, J. Exposure to Welding Fumes and Gases. Water Well Journal. August 2016.

Spear, J. Preventing Damage to Underground Utilities. Water Well Journal. May 2016.

Spear, J. Safety Around Power Lines. Water Well Journal. April 2016.

Spear, J. Safe Use of Fiber and Wire Ropes. Water Well Journal. February 2016.

Spear, J. A Team Approach to Injury and Illness Prevention: Ten Factors for Creating a Self-Managing Safety Leadership Team. Water Well Journal. November 2015.

Spear, J. Bonding & Ground: Controlling Static Electricity. American Society of Safety Engineers, Gulf Coast Chapter Newsletter. November 18, 2014.

Spear, J. Crane Safety. Blueprints (Volume 13, No. 2), A Technical Publication of ASSE's Construction Practice Specialty, March 2014.

Spear, J. Preventing Electrocutions from Contact with Overhead Power Lines. The Synergist. November 2013.

Spear, J. Improving Contractor Safety Performance. Safely Made (Volume 4, No. 3), A Technical Publication of ASSE's Manufacturing Practice Specialty. April 2013.

Spear, J. Understanding Confined Space Standards for Well Drilling. Water Well Journal. September 2011.



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Spear, J. Welding Fume and Gas Exposure. Occupational Health & Safety. June 1, 2011.
<<http://ohsonline.com/articles/2011/06/01/welding-fume-and-gas-exposure.aspx>>.

Spear, J. Sound Preparation: Properly Preparing for a DOT Audit Can Help Ease the Nerves. Water Well Journal. October 2010.

Spear, J. Welding Safety: Assessing and Controlling Exposure to Hexavalent Chromium. Professional Safety (Vol. 55, No. 9). September 2010.

Spear, J. Mobile Crane Safety. Blueprints (Volume 10, No. 1), A Technical Publication of ASSE's Construction Practice Specialty. September 2010.

Spear, J. Compressed Gas Cylinder Safety. Water Well Journal. February 2010.

Spear, J. Mobile Crane Safety, Part 2: The Importance of Lift Planning. The Synergist. February 2009.

Spear, J. Mobile Crane Safety, Part 1: Factors Affecting Rated Capacity. The Synergist. January 2009.

Spear, J. Bonding and Grounding: Controlling Static Electricity. The Synergist. September 2008.

Spear, J. 10 Success Factors for Effective Safety Committees. The Synergist. March 2008.

Spear, J. Keeping Safe in Hazardous Cold Weather. Oil & Gas Product News. January/February 2008.

Spear, J. Keep Safety in Mind from the Start. Construction Executive. June 2007.

Spear, J. Staying Safe in Hazardous Cold Weather. Water Well Journal. December 2007.

Spear, J. A Fleet Safety Culture is Critical to Loss Prevention. IRTA Report. 4th Quarter 2007.

Mahoney, D. and Spear, J. Mold Contamination Risk Reduction. Perspectives, Vol. 7, No. 2. American Society of Safety Engineers (ASSE).

Brewer S, King E, Amick B, George G, Spear J, Irvin E, Mahood Q, Lee L, Lewis C, Tetrick L, Gimeno D, Williams R. A Systematic Review of Injury/Illness Prevention and Loss Control Programs (IPC). Toronto: Institute for Work & Health, 2007.

Brewer S, King E, Amick B, George G, Spear J, Irvin E, Mahood Q, Lee L, Lewis C, Tetrick L, Gimeno D, Williams R. Scoping Review – Injury/Illness and Loss Control Programs, Toronto: Institute for Work & Health, 2007.

Brewer S, King E, Amick B, George G, Spear J, Irvin E, Mahood Q, Lee L, Lewis C, Tetrick L, Gimeno D, Williams R. Scoping Review – The Sustainability of Safety Culture/Climate in the Workplace, Toronto: Institute for Work & Health, 2006.

Spear, J. Industrial Hygiene: 5 Steps to Successful Exposure Assessments. Industrial Safety & Hygiene News. January 2006.



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Spear, J. Improving Contractor Performance. The Synergist. September 2005.

Spear, J. Industrial Hygiene Exposure Assessments: Worst-Case Versus Random Sampling. Professional Safety. August 2005.

American Industrial Hygiene Association, Construction Committee. Health and Safety Requirements in Construction Contract Documents. AIHA Guideline 4 – 2005, Fairfax: AIHA, 2005. (Contributing Author)

Spear, J. Elements of a Fleet Safety Program. The Synergist. May 2005.

Spear, J. Confined Space Entry: A Review of Confined Space Standards Applicable to Contractors. The Synergist. March 2005.

Spear, J. Mobile Crane Lift Planning. Tools of the Trade. Winter 2004.

Spear, J. Welding Fumes: Protect Your Employees and Your Company. Tools of the Trade. Fall 2004.

Mahoney, D. and Spear, J. Mold Risk Assessment and Remediation. Professional Safety. August 2003.

Spear, J. Incident Investigations: A Problem-Solving Process. Professional Safety. April 2002.

Spear, J. Working Safely Near Overhead Power Lines. The Synergist. March 2002.

Presentations

Welding Fume Awareness Seminar (Keynote Speaker) Presented by Miller Equipment and Holston Gases (Knoxville, TN). October 31, 2023.

"Welding Fume Exposure Factors." AIHA Texas Hill Country Local Section Virtual Meeting. September 10, 2020.

"A Retrospective Exposure Assessment Study of Welding in Confined Spaces." St. Louis AIHA Chapter Virtual Meeting. June 25, 2020.

"A Retrospective Exposure Assessment Study of Welding in Confined Spaces." AIHA Virtual Conference. June 2, 2020.

"Welding Fume Exposure Factors." Greater Houston Industrial Hygiene Council. August 16, 2018.

"OSHA's New Rule on Respirable Crystalline Silica." National Ground Water Association Webinar. January 19, 2017.

"The Viability of Particle Size-Selective Exposure Assessments for Welding and Allied Processes." American Industrial Hygiene Conference and Exposition (Salt Lake City, UT). June 1, 2015.

"Minimum Data Quality Objectives When Sharing Welding Fume Sampling Data." American Industrial Hygiene Conference and Exposition (San Antonio, TX). June 2, 2014.



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"Welding Process Selection: A Comparison of Technical Feasibility, Production Rate, Quality, Cost, and Exposure Levels." American Industrial Hygiene Conference and Exposition (Indianapolis, IN). June 19, 2012.

"Are Your Contractors a Liability? Implementing a Contractor Safety Program." National Institute of Storage Tank Management, 13th Annual Conference on Above Ground Storage Tanks (Orlando, FL). March 2, 2011.

"The Feasibility of Reducing Welding Fume and Cr(VI) Exposure by Welding Process Changes." American Industrial Hygiene Conference and Exposition (Denver, Colorado). May 25, 2010.

"Are Your Contractors a Liability? Implementing a Contractor Safety Program at Nonsubscriber Worksites." TXANS20 20th Annual Nonsubscriber Conference (Austin, Texas). April 8, 2010.

"Welding in Confined Spaces." National Institute of Storage Tank Management, 12th Annual Conference on Above Ground Storage Tanks (Orlando, FL). March 3, 2010.

"Assessing and Controlling Health Hazards when Welding in Confined Spaces." Steel Tank Institute (STI) and Steel Plate Fabricators Association (SPFA) Annual Meeting (Palm Springs, CA). January 30, 2010.

"Mobile Crane Safety: Factors Affecting Capacities." American Society of Safety Engineers (ASSE) Southwest Chapter Meeting (Dallas, Texas). November 9, 2009.

"Cr(VI) Update: Considerations for Feasible Engineering Controls." Steel Tank Institute (STI) and Steel Plate Fabricators Association (SPFA) Fall Conference (Houston, Texas). September 24, 2009.

"Hexavalent Chromium: Considerations for Feasible Engineering Controls." NISTM Aboveground Storage Tank Conference (Houston, Texas). September 11, 2009.

"Assessing and Controlling Hexavalent Chromium Exposures from Welding." American Society of Safety Engineers Professional Development Conference and Exposition (San Antonio, Texas). June 29, 2009.

"Hexavalent Chromium Exposures During Construction of LNG Tanks." American Industrial Hygiene Conference and Exposition (Toronto, Ontario, Canada). June 2, 2009.

"Case Studies: Hexavalent Chromium and Respiratory Protection." Steel Tank Institute/Steel Plate Fabricator's Association Annual Meeting (Scottsdale, Arizona). January 28, 2008.

"Use of Local Exhaust Ventilation to Control Welding Fume Exposure." American Industrial Hygiene Conference and Exposition (Philadelphia, Pennsylvania). June 5, 2007.

"Hexavalent Chromium." National Safety Council Construction Division Meeting (San Diego, California). November 5, 2006.

"Puzzled About Welding Fume and Gas Exposure? Putting the Pieces Together." ASSE Region III Professional Development Conference (Austin, Texas). August 7, 2006.



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"Hexavalent Chromium and Welding." Steel Tank Institute/Steel Plate Fabricator's Association Pressure Vessel Conference (Houston, Texas). June 22, 2006.

"Health Standards' Resurgence: Are You In Compliance?" National Safety Council Congress and Exposition (Orlando, Florida). September 21, 2005.

"Recognizing and Assessing Industrial Hygiene Exposures in Construction." ASSE Region III Professional Development Conference (Galveston, Texas). August 10, 2005.

Professional Affiliations and Awards

- American Industrial Hygiene Association of (AIHA)
- AIHA Construction Committee (2010/2011 Past Chair, 2009/2010 Chair, 2008/2009 Vice Chair, 2007/2008 Secretary)
- AIHA Confined Space Committee (2023/2024 Vice Chair, 2022/2023 Secretary)
- ASME B30 Standards Committee (Alternate Member) – Safety Standards for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings
- The International Honor Society of Beta Gamma Sigma
- American Society of Safety Professionals (ASSP)
- American Welding Society (AWS)
- American Conference of Governmental Industrial Hygienists (ACGIH)
- Excellence in Writing Award, Sam Houston State University (2002)
- Recipient of AIHA's Outstanding Project Team Award (2010) in recognition of outstanding service and dedication to the Corrosive Drywall Project Team
- Recipient of AIHA's Rochelle Crew Memorial Award for the AIHce 2012 Presentation, "Cost-Benefit Comparison of Welding Processes by Technical Feasibility, Production Rate, Quality, Cost, and Exposure Levels"
- AIHA Distinguished Lecturer – Welding Fume Exposure Factors
- AIHA Fellow Award (2017) – Among 5% of AIHA membership which is given to those individuals who have made significant contributions to the field of industrial hygiene.

