

Curriculum Vitae

Cheryl Scanlon-Zinner, CSP

cheryl@scanlonsafety.com

302-529-7718 (office) 215-605-6348 (mobile)

SUMMARY of SAFETY EXPERIENCE: Over 25 years in safety and OSHA compliance, both in corporate safety for a large international engineering company, and as an Independent Consultant. Expert in applying OSHA General Industry, Construction, Maritime and MSHA (mining) regulations and safety-related national-consensus standards (ANSI, ISO). Practical experience in safety oversight on construction and hazardous waste clean-up projects and in a general industry setting. Frequently perform occupational safety inspections, audits, assessments, training, and incident investigation.

AREAS OF EXPERTISE: Worker Safety and U.S. Occupational Safety & Health Act (OSHA) regulations for Construction and General Industry work. Fall Protection in general industry, construction, maritime and mining; Scaffolding; Stairs and Ladders; Personal Protective Equipment; Material Handling; Lockout/Tagout; Hazardous Waste Operations; Multi-employer Worksites; State OSHA programs, including California.

CERTIFICATIONS & EDUCATION:

Board of Certified Safety Professionals, Certified Safety Professional (CSP) #18568

Authorized OSHA Outreach Trainer for Construction #C 0102375

B.S., Wildlife Science, Pennsylvania State University, 1989

MEMBERSHIPS:

Professional Member of the American Society of Safety Professionals (ASSP -formerly the American Society of Safety Engineers) since 1999. President of the ASSP Philadelphia Chapter (2018-2019).

Women in Safety Engineering

Society of Women Environmental Professionals

National Safety Council

PROFESSIONAL EXPERIENCE:

CONSULTANT:

Scanlon Safety Services, LLC, Wilmington, DE, 2007-present

Owner and Primary Consultant. Provides hazard analysis, accident investigation, and safety program development to both construction and general industry clients. Conducts on-site surveys to determine compliance with applicable OSHA standards, creates reports and recommends abatement methods. Conducts training sessions on a variety of safety and health topics.

Subcontractor to Ellis Fall Safety Solutions, Various Locations in U.S. 2007-present

Training Manager and Senior Consultant. Provides fall protection assessments, surveys, and evaluation; Writes reports; Develops fall protection programs; Provides training for clients in general industry, construction and mining throughout the United States.

Tetra Tech, Inc., Various Locations 1991-2007 -Full Time Employee; 2007-2017 -Consultant

Corporate Safety Leader for Water, Environment and Infrastructure Group. Provided occupational safety support services to many offices of this international engineering firm. Leader of the team that developed, reviewed and updated the corporate safety program; involved in accident and incident investigation; developed safety programs and plans for hazardous waste site activities, construction projects, and other engineering and industrial hygiene projects; conducted audits and evaluations of field activities.

INSTRUCTOR: Delaware County Community College, Media, PA Construction Safety (TCS 141) 2008-2010

SELECTED EXPERIENCE:

Technical Editor, Introduction to Fall Protection 5th Edition, and Introduction to Fall Protection Engineering, 1st Edition; to be published by the American Society of Safety Engineers (expected 2020) by J. Nigel Ellis Ph.D., CSP, P.E., CPE

As Technical Editor, worked closely with the author and co-authors to ensure the latest information related to fall protection safety and engineering are included in the publications. Responsible for ensuring that all relevant fall protection topics are thoroughly covered, including regulations and standards, slips, trips and falls, stairs and ladders, engineering of lifeline systems, rope access, and other topics.

Safety Consultant, Construction Management company with 100 employees, Newport, Delaware (2018-present)

Provides oversight, review and updating of company safety program. Investigates all incidents, accidents, and near-miss events to determine root cause and prevent reoccurrence.

Risk Management Consultant, Large Oil Company, Nationwide U.S. (2015-present)

Audits vendors conducting oil-field waste disposal operations for compliance with safety & environmental regulations and best practices, insurance requirements, and company standards. Provides detailed reporting including recommendations for each audit.

Fall Protection Training and Consulting, Electricity provider, Hawaii (2016–ongoing)

Provided fall protection Competent Person training for management, safety professionals, and supervisors for Hawaii's power companies. Training was customized for power generation and transmission, construction, and general industry based on duties of the attendees. Worked with the power companies on three islands to develop specific procedures and rescue plans based on fall protection equipment requirements.

Fall Protection Training and Consulting, Large Entertainment, Resort & Theme Park Company, Florida and California (2012-ongoing)

Provided fall protection 'Competent Person' training to over 2,500 employees of this large entertainment company. Developed curriculum for safety professionals, engineers, front-line supervisors, construction managers, utility workers, mechanics, operators, fireworks

technicians, entertainers and those with other diverse job descriptions. Provided consulting services related to the development of a corporate fall protection program, including standards for fall protection related to attractions, rides, park maintenance, entertainment, parade floats, and use of personal protective equipment.

Fall Protection Assessments, Fertilizer Company, U.S. and Canada (2010-ongoing)

Conducted fall protection assessments at three phosphate mines and six chemical plants for a large fertilizer manufacturer. Surveyed each facility, discussing tasks performed at elevation with facility and contract employees at each site. Developed solutions to address each identified hazard, including recommending engineering improvements, placements of stairs and guardrails, and installation of active fall arrest systems. Produced reports for each of the plants, and developed a corporate-wide document titled Best Practices and Future Needs in Fall Protection. Delivered content of this document via web-cast to management.

Safety Consulting, Chemical Company, Middletown, Delaware (2013-2018)

Reviewed and updated lock-out/tag-out program and developed machine-specific procedures for the control of hazardous energy for the repair and maintenance of over 80 machines. Conducted industrial hygiene sampling and reporting related to occupational noise, explosives and toxic vapors.

Technical Editor, Introduction to Fall Protection 4th Edition published by the American Society of Safety Engineers (2012) by J. Nigel Ellis Ph.D., CSP, P.E., CPE

As Technical Editor, worked closely with the author. Co-authored new chapters. Worked with over 60 contributors, including many members of the ANSI Z359 Fall Protection Standards Committee, to ensure that all relevant fall protection topics were thoroughly covered, including regulations and standards, slips, trips and falls, stairs and ladders, engineering of lifeline systems, rope access, and other topics.

Fall Protection Assessment, University of Maryland, College Park, Maryland (2012)

Worked with University facilities and safety staff to identify fall hazards related to maintenance and construction work on the University's main campus buildings. Following the fall protection hierarchy of controls, eliminated the need for use of personal fall arrest systems in most outdoor work areas. Addressed fall hazards in the chapel attic by proposing engineering controls and installation of additional walking/working surfaces to prevent fall-through hazard to employees working in this interstitial space.

Fall Protection Equipment Assessment and Training, U.S. National Oceanic and Atmospheric Administration, New England (2011)

Assisted with selection and use of fall restraint and arrest equipment aboard several ships based in Massachusetts and Rhode Island. Ensured that use of equipment was in accordance with OSHA maritime standards, other applicable OSHA fall protection regulations, and the ANSI/ASSE Z359-2007 Fall Protection Code. Provided fall protection training to scientists and crew members who worked aboard the ships. The training program included discussion of anchorage, body support, and connecting means, fall hazard recognition, procedures to minimize fall hazards, selection and use of non-certified anchorages. Ensured that participants were able to successfully demonstrate the ability to use personal fall arrest systems and fall restraint equipment, inspect and maintain the equipment, and use rescue techniques to lift, lower, and evacuate personnel using their rescue kits.

Construction Safety Consulting and Oversight, Steel Manufacturing Plant, Delaware (2014)

Following a worksite accident, provided general safety oversight for a contractor installing a new bag house after the contractor received an OSHA citation. Made recommendations to change the type of fall protection equipment used and selected better anchorage points.

Fall Hazard Assessment and Fall Protection Implementation, Museum, Northern Delaware (2007–ongoing)

Performed fall hazard assessments in large museum buildings. Identified hazards related to roofing work and maintenance. Worked with engineering company to design and install horizontal lifeline systems on the roofs of three large buildings, while preserving museum aesthetics. Continues to provide safety oversight during work at elevation situations during construction and general industry work.

Fall Protection Assessment, Veterinary Pharmaceutical Company, Kansas (2014), Delaware (2016), New Jersey (2018)

Performed a comprehensive fall hazard assessment of a pharmaceutical laboratory, animal research facility, and production plant. Worked with the company's safety department to address fall hazards in the interstitial space above the labs as well as fall hazards related to work on ventilation systems and roofs. Assisted engineers in preparing cost estimates for proposed fall hazard solutions. Provided Competent Person fall protection training to management and safety professionals, and Authorized Person fall protection training to staff in accordance with OSHA regulations and ANSI standards.

Fall Protection Training and Safety Oversight, Chemical Company, Connecticut and North Carolina (2011)

Conducted fall protection training and oversight of a contractor due to unique hazards associated with greenhouse refurbishment. Oversight ensured that all approved procedures were used, including lock-out, crane-use and acceptable equipment staging angles. Provided employee training in proper selection and use of fall protection equipment.

Fall Hazard Assessment for Pharmaceutical Company, Various Locations throughout U.S. (2010–ongoing)

Conducted comprehensive fall hazard evaluation of office and manufacturing buildings. Prepared reports providing detailed assessments of the work tasks performed at elevation for both maintenance and construction work. Made recommendations in compliance with corporate and regulatory requirements. Developed solutions that included temporary barrier devices, fall restraint, and compact high-reach systems, that were subsequently implemented corporate-wide.

Fall Hazard Assessments, Flooring Manufacturer, Pennsylvania and Texas (2011 & 2016)

Performed comprehensive fall hazard assessments for a manufacturer at their corporate headquarters and several manufacturing plants. Prioritized hazards with relative risk assessment rating matrix. Recommended solutions for fall hazards based on the fall protection hierarchy of controls (eliminate, prevent, arrest). Identified new hazards, including those related to loading docks, skylights, low parapet walls, ladders, and non-certified cables used for fall arrest anchorage. Several imminently hazardous situations were addressed immediately and other recommendations were instituted corporate-wide.

Fall Protection Assessments & Training, Defense Contractor, Maryland (2011-2015)

Conducted fall protection training for a large federal government contractor that installs surveillance and electronic equipment on federal buildings and equips vehicles for the Department of Defense. Assisted the company in responding to OSHA citations related to construction work. Assisted the company in addressing fall hazards by training additional employees, clarifying the company's policy on 29 CFR 1926.500(a)(1) *exception for fall protection while performing an investigation inspection or assessment before work begins or after all work has been completed*, and performing fall protection assessments of all its properties in southern Maryland.

Fall Hazard Assessments and Engineering Evaluations for International Commercial Bakeries Company, various locations throughout U.S. (2010-present)

Conducted fall hazard assessments and produced comprehensive detailed reports including engineering recommendations and cost estimates for several large commercial bakeries. Assessed fall hazards including work in confined spaces, change out of filters in silos, and other activities throughout each bakery. Addressed hazards unique to bakeries including temperature extremes, working on top of equipment such as conveyors, ovens and proofers, and climbing ladders on flour silos. Trained employees in selection and safety use of fall restraint and arrest equipment.

Fall Hazard Evaluation and Fall Protection Implementation for Non-Profit Organization, Washington, D.C. (2012)

Assisted this non-profit organization with addressing fall hazards related to the "green roof" on its new headquarters. Provided recommendations and assisted in purchasing fall restraint equipment for employees who weed and maintain the roof vegetation. By using restraint rather than fall arrest equipment, the organization was able to eliminate the need for rescue and retrieval planning and potential swing fall hazards related to the use of fall arrest equipment. Provided Authorized Person in Fall Protection training and trained additional contractor personnel who use aerial lifts for tree trimming and removal

Fall Protection Training for Aluminum Company, worldwide (2010-ongoing as needed)

Developed and delivered webinar in current fall protection issues for metals manufacturing employees in the U.S., Asia and Australia. Issues discussed included equipment recalls related to ladder climbing devices, limitation of and improper use of rope grab devices, new requirements for snap hook gate strength, and hazards associated with use of H-shaped lifelines in construction.

Fall Protection Assessments, Large Retailer, various locations throughout U.S. (2010-ongoing as needed)

Assisted this company with identifying and evaluating fall hazards related to work at its company headquarters and on the inside and outside of its stores by both its own employees and contracted workers. Developed solutions for fall hazards related to roof-top work, work on refrigeration units inside its stores, and work related to maintenance and repair of other equipment at the stores.

Vessel Safety Officer, CSERT under contract to National Response Corporation (July 2010)

Acted as interim safety officer overseeing skimming vessel safety officers for the Deepwater Horizon Oil Spill cleanup in the Gulf of Mexico. Worked with BP, EPA, OSHA and the U.S. Coast

Guard to ensure worker safety aboard vessels and at three decontamination stations in Louisiana.

PRESENTATIONS & TALKS:

- November 2019 *Safety on the Set, Implementation of a Fall Protection Program during a Movie Shoot*, with Rick Kain, Stunt Coordinator
American Society of Safety Professionals Philadelphia, PA Chapter Meeting
- May 2019 *Fall Protection Training for Emergency Response Authorized Persons*
Maryland State Firemen's Association Monthly Meeting, Sudlersville, MD
- April 2019 *Training Users of Fall Arrest Equipment*
Delmarva Safety Association Spring 2019 Conference, Ocean City, MD
- November 2014 *What Happens When I Fall? Training the Fall Protection Authorized Person*
American Society of Safety Engineers Philadelphia, PA Chapter Meeting
- November 2014 *Falling Down on the Job: Fall Protection on Construction Sites*
National Association of Subrogation Professionals Annual Conference, Orlando, FL