



## CURRICULUM VITAE

### Mark S. Towers, CSP, CSHM Occupational Health and Safety Consultant

#### PROFILE

Mr. Towers is a Certified Safety Professional (CSP) and Certified Safety and Health Manager (CSHM) and an experienced Occupational Safety and Health professional. He possesses excellent experience in the safety profession and has been responsible for providing occupational safety and health worksite audits and leadership to his former employers.

He has the skills and experience necessary to accurately identify construction hazards/risks, identification of hazard scenarios, assessment of risk to personnel and physical assets, and the controls for proper hazard abatement and management. Mr. Towers is available to provide safety consultations for program development, employee training and project site safety audit assignments in Nevada.

#### EDUCATION

- M3 Military Sciences, U.S. Army Command & General Staff College - 1987
- M.A. Management, Central Michigan University - 1982
- B.S. Business Administration, The Citadel, The Military College of So. Carolina – 1978

#### CERTIFICATIONS & DESIGNATIONS

- Certified Safety Professional (CSP) License No. 24601 – Board of Certified Safety Professionals
- Certified Safety and Health Manager (CSHM) License No. 1920 – Institute for Safety and Health Management
- OSHA Authorized Outreach Trainer

#### PROFESSIONAL AFFILIATIONS

- American Society of Safety Engineers
- Institute for Safety and Health Management

#### SECURITY CLEARANCES

- DOD Secret and Top Secret Clearances – Inactive
- DOE Q Clearance and Access Authorization for Trusted Data - Inactive

#### PROFESSIONAL EXPERIENCE

2014 - Present                   **Americana Safety Associates, LLC - Las Vegas, Nevada**  
Occupational Health and Safety Consultant

- Provides workplace safety audits to various businesses and industries to ensure regulatory compliance with all applicable federal and state OSHA, UBC, ADA and other national consensus standards and industry best practices.

2011 - 2013                    **Private Practice**, Las Vegas, Nevada  
Occupational Safety and Health Consultant

2010 - 2011                    **U.S. Department of Homeland Security (CBP)**, Artesia, New Mexico  
Program Manager (GS-0340-14)

- As an Accreditation Program Manager in the Border Patrol Academy, prepared documents associated with applying for accreditation of the academy and each training program.
- Interpreted the Federal Law enforcement Training Accreditation (FLETA) standards.
- Determined goals and objectives; developed performance evaluation measures and recommendations for program improvement by subordinate organizations and operating units.
- Evaluated training program outcomes that ensured instructional materials (adult learning courses) and programs addressed the needs and mission of organizations/agencies.
- Planned, designed, developed, evaluated and managed program segments and training programs.
- Liaison with top-level managers in the agency, high-ranking officials in other Federal agencies
- Identified and resolved issues where no policy existed, taken innovative actions to address new needs and/or issues.

2008 – 2009                    **Turnberry West Construction, Inc.**, Las Vegas, Nevada  
Safety Engineer (Fontainebleau Resort - Las Vegas)

- Oversaw and enforced the safety program established pursuant to NRS 616B.725 (2).
- Created and maintained a safe and healthful workplace by ensuring that the project contractors and subcontractors coordinated their safety & health efforts.
- Conducted worksite safety audits, incident investigations.
- Provided technical expertise in application of federal and state safety & health standards.
- Provided safety oversight for general industry and construction activities, including conducting safety walk-downs; field observations; completed daily and weekly reports;
- Conducted accident investigations; safe work practice evaluations; prepared, reviewed and approved Job Hazard Analyses;
- Reviewed and approved subcontractor activity hazard analysis (AHA) documents; participated in safety meetings; and other safety support related services.
- Recognized for establishing professional construction safety processes, procedures, and services.
- Implemented EPA, OSHA and Nevada Environmental, Safety and Health field and planning support for site projects.
- Cited for outstanding worker safety and effective safety management.

2006 - 2007                    **Bechtel Nevada/National Security Technologies, LLC**, Las Vegas, Nevada  
Senior Scientist and Safety Professional

Management and Operations contractor for the National Nuclear Security Agency/ Department of Energy at Nevada Test Site, Remote Sensor Laboratories, and Los Alamos Area Operation

- Top technical professional charged with executing procedures and strategies in Safety.
- Mentored technicians and functional professions and communicated with senior management on safety concerns.
- Established professional safety services to Facility Management Officers.
- Provided professional environmental, safety, health, and quality services to Environmental Restoration Projects.
- Participated in Potentially Inadequacy of Safety Analysis [DOE G 424.1-1a] and Operational Readiness Reviews.
- Conducted incident/accident investigations.
- Assured high explosive safety in accordance with the Department of Energy Explosives Safety Manual. Serve as a Hazardous Material (HAZMAT) Subject Matter Expert (SME). Support Integrated Safety Management.
- Recognized for establishing professional facility safety processes, procedures, and services. Implemented EPA, OSHA and State of Nevada Environmental, Safety, and Health field and garrison support for environmental restoration industrial sites projects.
- Cited for outstanding environmental analysis, hazardous worker safety execution, effective safety meetings, and field safety briefings.

1995 - 2005                    **Weirich Technical Associates, Inc., for Los Alamos National Laboratory**, Los Alamos, New Mexico  
Senior Staff Member

Subcontractor for Management and Operations contractor for the National Nuclear Security Agency/ Department of Energy

- Researched programs valued up to a billion dollars annually, employing 8,000 staff, for the National Nuclear Security Administration/ Department of Energy.
- Established professional environmental, safety, and health services to the Hydrodynamic Experimentation Division.
- Provided professional program management to Nuclear Research and Development Projects.
- Participated in Potentially Inadequacy of Safety Analysis [DOE G 424.1-1a] and Operational Readiness Reviews.
- Assured high explosive safety in accordance with the Department of Energy Explosives Safety Manual. Become a Hazardous Material (HAZMAT) Subject Matter Expert (SME).
- Improved safety processes, procedures, and operations exceeding OSHA, EPA, Department of Energy, and State of New Mexico Regulations, Rules, and Statutes with many accolades.
- Conducted safety/risk analysis, human reliability analysis, Event/Fault Tree Analysis, and consequence modeling.
- Supported the development of nuclear and non-nuclear safety basis and authorization basis documentation, including Documented Safety Analysis [830.204], Safety Analysis Reports, Bases for Interim Operations, Hazards Analysis Reports [DOE –STD-3009-94], Facility Safety Analysis Report, Evaluation of the Safety of the Situation, and Technical Surveillance Requirements [830.205].
- Prepared fire protection, NFPA 13, and emergency response standards and training. Support Integrated Safety Management.

1993 – 1995                    **The Delphi Group, Inc., for Los Alamos National Laboratory**, Los Alamos, New Mexico  
Senior Engineer

- Served as lead authority in High Explosives Safety. Managed multi-disciplinary nuclear weapon program, including budget responsibility.
- Established professional environmental, safety, and health services.
- Provided professional management to Nuclear Research and Development Programs.
- Implemented 10 CFR 830.120 requirements consistent with NQA-1. Integrate safety into operations and design.
- Implemented and supported Integrated Safety Management.
- Executed and continuously improved Correction Action Plans processes, procedures, and operations exceeding OSHA, EPA, Department of Energy, and State of New Mexico Regulations, Rules, and Statutes with many accolades.
- Exceeded expectations of Department of Energy's Implementation of 10 CFR 835.
- Received DOE/NNSA outstanding evaluation for re-engineering the Plutonium Complex Plant Craft Training Program.

1987 – 1992                    **New Mexico National Guard**, Santa Fe, New Mexico  
Director, Information Management

1978 – 1987                    **US Army and US Army Reserve**

#### **AVAILABILITY**

Mr. Towers is available for safety consulting assignments in Nevada through Americana Safety Associates, LLC.