

DEANE SMITH, P.E.

Professional Accomplishments

For more than 20 years Deane Smith has worked in safety and health. He has managed safety programs in manufacturing, agriculture, and construction on a corporate, regional and site level and has been responsible for the safety and health of more than 4,000 individuals.

Highlights in Deane Smith's career include:

Safety Director

- Managed the safety for multi-employer worksites in steel manufacturing, oil refining, pharmaceutical manufacturing, food processing, and public entities.
- Managed construction and general industry OSHA inspections and resolved violations.
- Led or participated in more than 40 corporate audit teams that identified and addressed physical hazards and safety management practices. The audits included a review of equipment and facilities, safety instructions, hazard warnings, job procedures and employee training.
- Evaluated businesses for injury and loss and implemented corrective actions. These improvements in one firm reduced injuries to the lowest level in the Company's history and to a level less than the average for its industry and in a second business reduced the lost time incident rate and worker compensation cost by 34%.
- Led or oversaw employee committees formed to decrease worker injury, improve product quality, and enhance productivity in manufacturing.
- Wrote a safety toolbox training manual consisting of more than 100 safety talks focused on industrial cleaning and hazardous material operations.
- Wrote safety policies and procedures on welding cable repair, asbestos, lead, hazardous material clean-up, excavations, heat stress, lockout tagout, fall protection, personal protective equipment, confined spaces, company safety rules, inspections, and supervisor and employee training.
- Led a corporate Task Force on Accident Investigations and prepared a report subsequently adopted and implemented by the Corporate Safety Director.
- Prepared ISNetworld compliant safety programs for a site contractor.
- Led significant accident investigations including pressure test failure, falls from elevations, electrical arcing incidents, failure to use lockout tagout procedures, injuries from unguarded machinery, asbestos exposure, contact with hazardous chemicals, crane failure, forklift trucks, and environmental exposures.

Engineering and Field Work

- Designed, implemented and coordinated the corporate ergonomics training program including a method for job rotation and the first task forces for ergonomics in a Fortune 500 company, and oversaw 300 occupational safety, health and ergonomics improvement projects.
- Led investigations of significant incidents, including pressure-test failures, falls from elevations, electrical arcing incidents, failure to use lockout tagout procedures, injuries from unguarded machinery, fires, asbestos exposure, contact with hazardous chemicals, crane failure, forklift trucks, and environmental exposures.
- Prepared safe work instructions and procedures for lockout, material handling and rigging, hazardous materials, equipment start-up and transfer, and fall protection.
- Evaluated the safety of hundreds of industrial products as part of completing more than 1,000 site inspections.
- Prepared a written material delivery system evaluation that included an analysis of injuries and associated financial costs and proposed an improvement program that was subsequently piloted and implemented. The result was a pilot program that decreased the material handling injury rate to the lowest in the company.
- Designed and piloted a job rotation program to mitigate the effects of repetitive motion in labor intensive tasks. This program contributed to the zero-lost-time injury rate for the operation.
- Designed or modified more than 40 workstations to prevent or reduce employee injury and comply with safety standards. These designs included material handling, hand tools, assembly-line, and inspection workstations.
- Wrote site-specific safety plans for specialty contractors.
- Wrote a comprehensive fall hazard evaluation with corrective actions for industrial maintenance tasks.
- Wrote environmental, safety and health policies and procedures for manufacturing businesses and contractors working in manufacturing sites.
- Developed and implemented a lead program for a hazardous material clean-up operation.
- Designed a horizontal lifeline.
- Provided engineering for a field-designed scaffold.

Training

- Designed and implemented corporate safety and health training programs for a Fortune 500 Company.
- Designed and implemented corporate and site-specific safety and health training programs for small and mid-size companies.
- Trained more than 4,000 business owners, managers, engineers, field staff, employee committees, workers and students on health and safety hazards, controls, regulatory compliance, and safety management.

Expert Witness

- Wrote more than 50 expert witness reports used in court proceedings and provided court testimony on the safety aspects of personal injury cases.
- Prepared document requests and deposition questions for discovery.