

JON J. PINA, MS, CSP

SAFETY, HEALTH, AND ENVIRONMENTAL PROFESSIONAL

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Curriculum Vitae

SUMMARY

More than 40 years in the safety, health, and environmental industry, including experience as a corporate health and safety manager, chemical plant operator, public school science teacher, union journeyman pipefitter, construction manager on large-scale demolition projects, defensive driver instructor, emergency medical technician, heavy equipment operator, public school science teacher, heavy equipment operator, and consultant to private industry regarding OSHA. Retired from Indiana University of Pennsylvania Safety Science faculty in 2014. Now independently consulting.

Experienced and knowledgeable in: OSHA, EPA, and DOT regulations, HAZWOPER, Environmental Remediation, Asbestos, Demolition, Processing Plant Operations & Maintenance, Oil/Gas Drilling Safety, Machine Guarding, Scaffolding, Slip/Trip/Fall, Building Safety, Personal Protective Equipment (PPE), Fall Protection, Forklifts, Coal, Steel, Hazardous Waste. Serves as a safety, health, and environmental expert witness for plaintiff and defense attorneys.

EDUCATION

MS in Safety Management, Indiana University of Pennsylvania, 1989

MS in Geology, Indiana University of Pennsylvania, 1978

BS in Geoscience Education, Indiana University of Pennsylvania, 1972

CERTIFICATIONS

Certified Safety Professional (CSP), Board of Certified Safety Professionals, Certificate #12775

Certified Professional Instructor II, Certificate #75-044339

Defensive Driver, National Safety Council, Certificate # 4121503

40 hr. Hazardous Waste Protection Certificate (HAZWOPER)

8 hr. Supervisory HAZWOPER

32 hr. Asbestos Abatement Contractor/Supervisory Certification

24 hr. Asbestos Building Inspector

DOE Radiation Worker II

DOT Air Shipping Dangerous Goods

Emergency Medical Technician (EMT) - certified 1985-1998

WORK EXPERIENCE

1997-Present EVERGREEN ENVIRONMENTAL HEALTH AND SAFETY, INC., Indiana, PA

Safety, health, and environmental consulting/training: OSHA 10 hr General Industry and Construction, HAZWOPER, forklift certification and safety webinars. Expert consultant for plaintiff and defense attorneys. OSHA consultation/site inspections, Phase I Environmental Assessments, Slip, Trip, & Fall incidents, and Defensive Driver training. Investigations of mudslides, floods, and erosion. Managed \$30 million environmental remediation and complete demolition (1999-2001) of the last large steel mill in Pittsburgh's city limit for LTV Steel Co., Cleveland, OH.

1995-2014 INDIANA UNIVERSITY OF PENNSYLVANIA, Pennsylvania/OSHA Consultation Program

Faculty-Retired. Provided OSHA consultation services for private industry through a federal/state grant. Safety Sciences Department faculty position as an instructor for undergraduate/graduate safety curricula.

1994-1997 INTERNATIONAL TECHNOLOGY CORPORATION, (now Chicago Bridge), Monroeville, PA

Corporate Health and Safety Manager for the Engineering, Construction, and Remediation Division. Responsibilities included home office support for all programs for private industry, government, military, and superfund projects. Most projects involved the drilling/core sampling, removal, encapsulation, landfills, stabilization, or incineration of hazardous and non-hazardous wastes. Many of the military sites required the locating, excavating, and destruction of explosive ordnances. Provided support and direction for over thirty health and safety professionals assigned to field projects and other offices. Developed intern program for IUP safety science majors. Worked with case managers, workers' compensation, and legal department.

1981-1994 ICF KAISER ENGINEERS, INC., Pittsburgh, PA

1989-1994 *Environmental Health and Safety Manager and Site Manager;*
Environmental Site Restoration, Construction, and Engineering Division

Managed asbestos abatement, environmental drilling/remediation, and demolition of steel mills, coke plants, chemical plants, paper mills, aluminum smelting, and other various processing facilities. Included among the large steel facilities demolished were USX Duquesne Works, USX McKeesport National Tube Works, LTV Aliquippa Coke, LTV Donner-Hanna Coke in Buffalo, NY, and LTV Cleveland Coke. Managed the cleanup and demolition of the Fike Chemical Superfund Site in Nitro, WV, an infamous batch chemical plant that was built over a former ammunition plant. Responsible for weighing scrap metal/hazardous wastes that were shipped off-site. Conducted RI/FS sampling on 8 DEW line Radar Stations on Alaska's north shore.

Created bid packages, awarded bids, and assisted in qualification package development and marketing. Conducted Hazardous Waste Health and Safety Certification training. Wrote many health and safety plans, including contingency plans. Air monitoring for asbestos, metals,

dioxins and other organics, confined space entries, hot work permitting; respirator fit testing; and conducting varied health and safety meetings and site orientations were part of the many duties performed. Experience includes asbestos abatement, PCB spill cleanup and removal, varied hazardous wastes disposal, large inventories of drums and lab packs, underground storage tank (UST) removal, soil bioremediation, well development, and ground water monitoring and cleanup.

1981-1988, ELECTRIC POWER RESEARCH INSTITUTE, Coal Quality Development Center

Safety Director - Developed Safety Program and conducted safety audits and safety meetings. Topics presented at the monthly safety meeting/training sessions included electrical hazards, radiological exposure, electrical/ mechanical/ pneumatic, lockout procedures, hazardous material handling, oxyacetylene/welding, forklift/front end loader operation, conveyor belt safety, hoists/chainfalls/rigging procedures, first aid training, HAZCOM (worker "Right-To-Know"), toxicological effects of chemicals, dust hazards, chemical substance abuse, and employee attitude effects toward accident prevention. Responsibilities included administering all aspects of First Aid to plant and office personnel. Conducted preliminary design work on proof-of-concept process plant utilizing methylene chloride for coal/refuse separation. Developed safety procedures for plant layout and operation.

Plant Operator - Responsible for total operation of plant, which included heavy media circuits, froth flotation, concentrating tables, centrifuges, belt filter presses, and other dewatering equipment, and maintenance of the facility. Wrote operating procedures. Operated front-end loader to load coal/refuse into dump trucks to transport to power plants.

1976-1981 STEARNS-ROGER, INC. (BIGAS Pilot Coal Gasification Plant), Homer City, PA

Chemical Operating Technician responsible for plant startup and monitoring of high pressure/temperature, entrained coal gasification facility. Advanced from a *trainee to main control room operator* of an advanced process of converting coal into methane utilizing an oxygen-blown gasifier/reactor, gas purification, ammonia, and sulfur removal units, and a fluidized bed catalytic converter. Extensive experience operating support equipment including steam generation units, multi-stage compressors and pumps, rod and ball mills, centrifuges, chillers, clarifiers, cooling towers, and cryogenic units. Trained new employees, inventoried chemical storage and fire systems, and assisted with fire brigade training/rescue drills. Unloaded coal from trucks and railroad cars.

1972-1976 WESTMONT HILLTOP SCHOOL DISTRICT, Johnstown, PA

High school teacher - Earth and Space, Environmental, and General Science. Supervised laboratory exercises and maintained chemical storage room.

PROFESSIONAL TRAINING

Professional training over the last two decades from providers such as the ASSE/OSHA Training Institute included: Hazardous Materials, Construction, Fall Protection, Forklift Operations, Machine Guarding, Scaffolding, Tower Safety, HAZCOM, Electrical Hazards, OSHA Oil/Gas Operations, Combustible Dust, SARA III, Safety Management, Safety and Health Programs, 16 hr. Disaster Site

Worker, Workplace Violence

PROFESSIONAL ORGANIZATIONS

American Society of Safety Professionals (ASSP), elected to Professional Member Status in 1996.

Western Pennsylvania chapter of ASSP

American Industrial Hygiene Association (AIHA) 1994-1999

American Trauma Society 1985-1989

PUBLICATIONS

“Emergency Preparedness Regulatory Issues,” Chapter 2.1 in *Safety Professionals Handbook - Technical Applications Volume II 2nd Edition*, American Society for Safety Engineers Handbook, 2012.

“Tips for Complying with OSHA’s Asbestos Regulations,” *Environmental Managers Compliance Advisor*, Contributing Author/Expert Panel, October 1, 2001.

“Preventing IFSs - Injuries, Fires, and Spills,” *Professional Safety*. September 1995.

Master’s Thesis, “Limestone as a Coal Slagging Flux for Use in High Pressure Coal Gasification,” IUP Library, 1978, as part of a requirement for MS degree.

OUTSIDE ACTIVITIES

Chairman/Technical Advisor, Local Emergency Planning Commission, Indiana County, since 1986.

Adjunct Professor for Safety Science Department at IUP (1996-1999). Lecturer on construction safety for civil engineering students at University of Pittsburgh. Guest speaker at schools and universities.

PA Cleanways, Blacklick Watershed Stream Restoration, Black Leggs Trout Nursery & Watershed, Trout Unlimited.