



Karen S. Phegley, CIH, CSP, CHST | Senior Industrial Hygienist

Based in Columbus & Cincinnati, Ohio

Mobile 937-203-5087

Professional Summary:

Board-Certified Industrial Hygienist and Certified Safety Professional with over 28 years' experience in Health, Safety and Industrial Hygiene consultative services. She conducts onsite health exposure assessments after determining possible exposures in the workplace. Her expertise is conducting exposure assessments and hazard evaluations in manufacturing, construction sites, and indoor air quality. Clients range from small family businesses up to large companies with a global presence. Clients are public entities, private manufacturing, educational based, and commercial construction.

Areas of Expertise:

- Industrial/Chemical Hygiene
- Indoor Air Quality
- Environmental Health & Safety

Licenses and Certifications:

Certified Industrial Hygienist, American Board of Industrial Hygiene, CIH#10319

Certified Safety Professional, Board of Certified Safety Professionals, CSP#33231

Construction Health and Safety Technician, Board of Certified Safety Professionals, CHST#9791

Mine Safety and Health Administration (MSHA) 24 Hour Part 48 Certificate (Surface and Coal)

Disaster Site Worker (16-Hour), 2015

Project Experience:

Hospital Operating Rooms Suite IEQ Investigation. Certified Industrial Hygienist for large hospital responsible for investigating employees' complaints of light headedness, headaches, fatigue and/or illness. Evaluation of airborne waste anesthetic gases during operations in operating facilities was conducted. Temperature, relative humidity, carbon dioxide, carbon monoxide and percent fresh air were also evaluated. Recommendations made based on the findings, applicable standards and guidelines.

Industrial Hygiene Lead Evaluation/ Construction Project. Certified Industrial Hygienist on multiple sites for construction contractors evaluating lead exposures for workers installing lead-lined drywall in medical facilities. The data was used to develop standard operating procedures for this task.

School Ventilation Assessments. Certified Industrial Hygienist for multiple schools in Ohio, conducted indoor air quality and ventilation assessment studies.

Comprehensive Industrial Hygiene Surveys/Health & Safety Program. Certified Industrial Hygienist responsible for site evaluations for asbestos, insulation, dust, respirable silica, lead, metal fumes and dust, volatile organic vapors, gases, isocyanates and noise at multiple manufacturing companies. Companies ranged from food processing, automobile suppliers, farm equipment, food equipment, electronics, fabrication, construction, and farming companies across the state of Ohio. Review safety programs and conduct training. Improvement recommendations were based on exposure levels and compliance with applicable standards and guidelines.

IEQ Surveys/Multiple Manufacturing Clients. Certified Industrial Hygienist for multiple manufacturing clients, responsible for onsite audits to assess illumination levels, temperature, relative humidity, volatile organic compound (VOC) concentrations, the general and local exhaust ventilation. Assessed compliance with applicable standards and guidelines and recommended improvements.

OSHA 30 Hour Training, Multiple Clients. Assisted with 30-hour training for Construction and General Industry for various Ohio companies.

Noise Hearing Conservation Program Training. Conducted hearing conservation training for multiple Ohio companies.

Respirable Silica Exposure Awareness Training. Conducted exposure and awareness training for multiple construction companies.

Asbestos 2-Hour Awareness Training, Multiple Clients. Conducts asbestos 2-hour awareness training on an as-needed basis for various construction trades that may disturb asbestos-containing materials during their work activities. Has provided this type of training to facility managers, university staff, and general construction/trades personnel.

Member of the CPWR The Center for Construction Research and Training and NIOSH Engineering Controls Workgroup. Purpose: provide structure for a silica and welding fume exposure control database.

Professional Experience:

EFI Global, Certified Industrial Hygienist, Sr. Industrial Hygienist Advisor, June, 2021 -present
Ohio Bureau of Workers' Compensation (OBWC), Senior Industrial Hygienist, 1993-2021
Audiology Technician Toledo Hearing and Speech - Toledo, OH, 1992-1993
Manatee County Health Department, Bradenton, FL, Environmental Specialist, 1989-1991
Summer Intern, Naval Commissioned Officer, United States Public Health, Indian Health Services
Albuquerque, NM, Summer 1988
High School Teacher, LaPorte High School, LaPorte, IN 1985-1987

Specialized Education:

OSHA Authorized Outreach General Industry Trainer, University of Cincinnati Education Resource Center, 2018

OSHA Authorized Outreach Construction Trainer, University of Cincinnati Education Resource Center, 2017

Lead Auditor, ISO-14001 Environmental Management Systems, ISO-9001 Quality Management Systems, and ISO – 45001 Health and Safety Management Systems, 2019-2020

Chemical, Biological, Radioactive, & Nuclear (CBRN) Defense, Graduate Certificate, Boonshoft School of Medicine, Dayton, Ohio 2014

Education:

Master of Public Health, Wright State University, Dayton, OH, 2017

Master of Science in Occupational Safety and Health, University of Toledo, Toledo, OH, 1995

Bachelor of Science in Environmental Health, Indiana State University, Terre Haute, IN, 1989

Bachelor of Science in Home Economics Education, Indiana State University, Terre Haute, IN, 1985

Affiliations:

American Industrial Hygiene Association (AIHA)

American Society of Safety Professionals (ASSP)

Courses Instructed/ Guest Lecturer:

Principles of Industrial Hygiene Sampling

Fundamentals of Occupational Health and Safety

Noise Monitoring

Publications and Presentations:

Phegley, Karen, Consequences of Fatigue and Sleep Deficiency in the Workplace: Implications for the Construction Industry, Master of Public Health Program Student Publication, Wright State University, 2018.