

Nancy E. Johnson DrPH, MSPH, CIH

Certified Industrial Hygienist

PROFILE

Experienced, innovative and creative environmental health and safety leader, teacher, facilitator and communicator. Problem solver relying on strategic attention to detail while incorporating multiple stakeholder investment in a healthy environment.

EXPERIENCE

ENVIRONMENTAL AND OCCUPATIONAL COUNTERMEASURES PROGRAM MANAGER, KENTUCKY DEPARTMENT FOR PUBLIC HEALTH, Division of Public Health Protection and Safety

Environmental Health Lead for Legionella Management Program in Kentucky working with Division of Epidemiology and Health Promotion (DEHP) to develop and implement an effective Legionnaire's Disease (LD) response protocol for reportable case notification. Provide subject matter expertise, resources, and training to both state and local environmental health personnel.

Program manager for the Wastewater Surveillance System in Kentucky which began as a pilot project in 2021. After revamping the work plan to meet stakeholder needs, the pilot project quickly built out to capacity and succeeded in meeting goals for site enrollment and laboratory performance. Leading effort to establish a permanent network of wastewater treatment plant sample collection sites supporting preparedness and respiratory disease surveillance starting January 2024.

Subject matter expertise for K-12 school health enhancement programs utilizing federal funds to supplement ventilation for respiratory virus control.

Leads Health and Safety plan enhancement for PPHS field staff.

INSTRUCTOR, EASTERN KENTUCKY UNIVERSITY

Coverage during Associate Professor search teaching undergraduate environmental regulations and graduate toxicology courses.

ASSISTANT PROFESSOR, UNIVERSITY OF KENTUCKY

Managed large classes of undergraduate/graduate students with multiple points of one-to-one contact and mentoring. Promoted EHS interests, coached individuals, and boosted those with sustained interest for competitive internships and awarded study opportunities.

Created and taught core occupational and environmental health and safety classes in the both the undergraduate and graduate public health degree curriculum covering the theory and practice of assessing, controlling, and preventing environmental and occupational

hazards including EPA and OSHA regulatory action, OEH epidemiology, toxicology, infectious disease, air, water, soil, radiation, injury and regulatory policies and the development of controls that are cost-effective as well as culturally and scientifically appropriate. Promoted professional preparation in the development of new elective courses, including an advanced sampling course covering environmental and occupational exposure assessment using the AIHA's *A Strategy for Assessing and Managing Occupational Exposure*.

Center for Appalachian Research in Environmental Sciences (UK-CARES) Faculty Fellows in Science Communication nominee

Golden Apple Award for Teaching Excellence

PresentationU! Faculty Fellow, Quality Enhancement Plan, Institutional Excellence

Post-doctoral Scholar in Rural Cancer Control, UK Markey Cancer Center Prevention Research Center, 2007-2009.

Senior Research Associate, UK Southeast Center for Agricultural Health & Injury Prevention; Teaching Assistant 1999-2007.

SENIOR INDUSTRIAL HYGIENIST — SMITH MANAGEMENT GROUP, LEXINGTON, KY

Managed transdisciplinary team projects for local, national, and international clients. Successfully executed a wide variety of industrial hygiene and safety assessments, created and implemented regulatory programs, and worked with clients on effective project management.

Developed expertise in mold and microorganism exposure assessment and remediation which created an early market niche in bioaerosol exposure projects and work-related asthma investigations. Sites included public housing, public schools, colleges, and private residences. Led community/ workforce information presentations to address exposure concerns.

Implemented and managed corporate health and safety program for company engineers, geologists, and technicians.

COMPLIANCE SAFETY & HEALTH OFFICER (CSHO) MICHIGAN OSHA, METRO DETROIT

Recognized leader developing departmental expertise in ergonomics and cumulative trauma disorders and delivering training program for fellow industrial hygienists and for safety officers in the Michigan Department of Labor.

Wrote the first citation for cumulative trauma disorder under the General Duty Standard against a Big Three auto plant to withstand appeal.

Conducted a special emphasis program for funeral homes in southeast Michigan during implementation of new blood borne pathogens rule and formaldehyde standard implementation.

COMPLIANCE SAFETY & HEALTH OFFICER (CSHO) IOWA OSHA

Researched and implemented new Hazard Communication Standard for Department of Labor employees. Inventoried hazardous chemicals, wrote the plan and conducted training for Iowa OSHA employees. Researched application of general duty standard elements for

ergonomic hazards in meat packing plants and developed CSHO field documentation template. Successfully applied General Duty Standard to induce work practice changes at affected worksites. Tasked with managing large, high-profile investigations.

EDUCATION

Postdoctoral Research Scholar. University of Kentucky Prevention Research Center for Markey Cancer Center. RESEARCH FOCUS: *Geogenic Trace Elements and Lung Cancer in Appalachian Kentucky.*

DRPH with a Concentration in Occupational Health and Safety. GPA 3.953. University of Kentucky, College of Public Health, Lexington, KY. CAPSTONE: *Counting Cases: Approximating the True Prevalence of Obstructive Lung Disease in Older Kentucky Farmers.*

MSPH in Occupational Health. GPA 3.745.

University of Kentucky, College of Medicine, Lexington, KY. THESIS: *Effective Workplace Interventions for Work-Related Asthma*

71 credits/83 credits for BSN. GPA 3.296

Michigan State University, College of Nursing, East Lansing, Michigan

Bachelor of Arts (BA) in Biology. GPA 2.96.

Northwestern University, Evanston, IL

SKILLS

CIH, Diplomate of the American Board of Industrial Hygiene (ABIH), Comprehensive Practice-12105. Lansing, MI 9/14/2020 – present. 2013-2020.

CIH, Diplomate of the American Board of Industrial Hygiene (ABIH), Comprehensive Practice-7495. Lansing, MI 11/12/1997 – 2013. Voluntary relinquishment of certification (CE deficit related to deaths in family)

Residential Measurement Provider (NRPP ID 111469 RT), National Radon Proficiency Program. 2020 – 2022

SafeTraces veriDART Certified for quantitative indoor ventilation assessment testing. 2021.

Curriculum Vitae (CV) available upon request.