

PETER B. HARNETT, MS, MPH, CIH, CSP, FAIHA
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Work, 908 310-2127 Cell

EDUCATION

M.P.H., Occupational Health/Industrial Hygiene, School of Public Health, University of Texas, recipient of NIOSH Fellowship.

M.S., Environmental Sciences/Toxicology, School of Public Health, University of Texas, recipient U.S. Public Health Traineeship.

B.A., Biology, College of Arts & Sciences, Cornell University, recipient of New York State Regents Scholarship.

CERTIFICATIONS/PROFESSIONAL LICENSURE/SELECT PROFESSIONAL COURSES

Diplomate, American Board of Industrial Hygiene Certified Industrial Hygienist #4443

Diplomate, Board of Certified Safety Professionals #13656

Fellow American Industrial Hygiene Association

Potent Compounds Handling Course, SafeBridge Consultants, Inc.

Mid-America Toxicology Course, 2010

HAZWOPER 40-hour training

EXPERIENCE

Mr. Harnett is a scientist with over 35 years of experience as an industrial hygiene consultant. For the past thirty-two years, Mr. Harnett has run an industrial hygiene consulting company, Counsel in Occupational and Environmental Health, Inc. (COEH). The Chinese government invited Mr. Harnett in 2009 to give several lectures in China on measurement and control of workplace solvents and dusts. Mr. Harnett has provided expert witness and litigation support work relating to OSHA compliance, multi-employer worksite issues, workplace chemical emissions modeling, toxic torts [lead, welding rods (manganese), butter flavorings, aromatic amines, emissions from petrochemical plants, polyaromatic hydrocarbons (PAHs)]. The litigation work has involved chemical exposure issues, chemical labeling, and SDS/MSDS hazard communication. Mr. Harnett is the Past-Chair of the AIHA Laboratory Health and Safety Committee, Past Chair of the AIHA Opioids Responder Working Group, and Past-President of the New Jersey American Industrial Hygiene Association. He has conducted detailed compliance evaluations/inspections and has developed helpful code interpretations for research clients. Mr. Harnett continues to provide comprehensive industrial hygiene services including air modeling, air sampling, program development, and litigation support. He also has prior work experience in biological research laboratories.

Environmental Health and Safety Manager, Leidos Inc., Edison, NJ, 2014 to June 2021 and Leidos Inc. Corporate Responsibility Liaison/Consulting Employee, June 2021 to present.

- Develop training courses and provide training for personnel. Training includes Hazard Communication, Bloodborne Pathogens, Toxicology classes, Personal Protective Equipment, Respiratory Protection, and Chemical Hygiene.
- Perform facility and lab safety and fire inspections. Develop and disseminate reports.
- Maintain and manage chemical inventory for labs and facilities. Maintain and manage health and safety training records and physicals for lab and field personnel.
- Developed detailed reference guides for EPA responders entering heroin/fentanyl cutting

operations; personnel on mine sites; response to natural disasters including hurricanes, floods, and volcanoes.

Senior Consulting EHS Professional and Owner, Counsel in Occupational and Environmental Health, Inc., Davidson, NC 1992-present.

- Litigation support and/or expert witness in toxic tort cases involving lead, diacetyl (butter flavoring), aromatic amines, petrochemicals, diisocyanates, and radon. Experience, conscientiousness, innovative approaches to science and excellent research often led to successful resolution of cases.
- Performed extensive beryllium exposure assessments and sampling (air and surface) for Department of Energy; provided detailed advice to large consumer products company on concerns regarding polishing and maintenance of beryllium-containing molds.
- Provide expert health and safety testimony for plaintiff exposed to coal tar residue from gas manufacturing plant.
- Detailed literature search for genotypic information that may predispose asbestos-exposed individuals to mesothelioma.
- Provide services to assist companies in their compliance with OSHA regulations.
- Conduct health and safety evaluations for major biotech and pharmaceutical companies.
- Conduct industrial hygiene evaluation of polyurethane foam facility using diisocyanates in production process.
- Performed quantitative risk assessments for compounds present in or outgassing from consumer products in response to California Prop 65 requirements; provided labeling guidance on Prop 65 concerns. Other consumer product work included identifying constituents responsible for severe contact dermatitis in infants in contact with a textile, development of standard operating procedures for product testing for VOC emissions, heavy metals, and antimicrobial efficacy.
- Benchmark health and safety related practices within the pharmaceutical and biotech sector.
- Develop programs- hazard communication, respiratory protection, hearing conservation, personal protective equipment, and laboratory chemical hygiene for small and large companies.
- Conduct reproductive hazard evaluations of laboratory employees.
- Provide training in hazard communication, respiratory protection, and hearing conservation.
- Develop MSDSs for existing drugs and new drug candidates for a pharmaceutical company.

Senior Consultant, ENVIRON Corporation, Princeton, NJ.

- Prepared expert report on health and safety concerns based on an audit of a precision machining company. Investigated electroplating and machining operations, and hazardous chemical handling procedures; summarized findings; and made recommendations for OSHA compliance.
- Conducted health and safety liability evaluations for operating industrial facilities representing potential buyers in real estate transactions.
- Provided expert health and safety litigation support to a consortium of oil companies in response to a USEPA proposed site remediation plan that would potentially place workers at risk for heat stress and exposure to elevated sulfur dioxide levels for work performed in Level A personal protection within an enclosed space.
- Assisted an oil company client in response to a USEPA administrative order to determine appropriate cleanup goals for future remedial activities by supervising the

collection and analysis of information on background heavy metals' concentrations at local and state levels.

Senior Associate, ICF Kaiser Engineers, Edison, NJ.

- Developed and reviewed health and safety plans for hazardous waste sites for private and public sectors as the Regional Health and Safety Manager for ICF.
- Conducted and authored a report on a large-scale asbestos location survey of a U.S. Army base in St. Louis, Missouri.
- Designed, conducted, and prepared reports based on ambient air monitoring for lead during large lead removal project, and conducted compound specific monitoring for phenol, cresols, and polyaromatic hydrocarbons during a wood tar removal project, at two EPA Superfund sites.
- Developed a comprehensive program for informing public and industry groups of the impact of SARA Title III (Emergency Planning and Community Right-to-Know Law) provisions in U.S.EPA Region 3.

Industrial Hygiene Intern, ARCO Petroleum Products Company, Houston, TX.

- Monitored airborne chemical levels to determine compliance with OSHA exposure limits.
- Performed noise monitoring of employees and respiratory fit-testing of new employees.

Senior Research Associate/Research Associate, The University of Texas M.D. Anderson Cancer Center, Houston, TX.

- Performed in vitro toxicity studies using patient tissues and multiple chemotherapeutic agents as predictive tool to enhance efficacy of patient treatment in the Department of Developmental Therapeutics.
- Performed (second position) basic cell research as part of a team of scientists in the Department of Tumor Biology. This work pertained to the field of cell-to-cell recognition and is important to better understanding of mechanisms involved in spread of cancer (metastasis).

PROFESSIONAL MEMBERSHIPS

Full Member, American Industrial Hygiene Association (AIHA), (1987 to present).

Member, NJ AIHA Section, Past-President, Secretary, Publications Director (1987 to present).

Full Member, Society of Toxicology (2009 to 2012).

Member, Mid-Atlantic Biological Safety Association (MABSA), (2009 to 2012)

Member or Corresponding Member, AIHA Laboratory Health and Safety Committee, (2000 to present). Chair, 2005-2006.

Chair, AIHA Opioids Working Group, 2017 to 2021, Past Chair 2021 to present.

PUBLICATIONS AND PRESENTATIONS

Harnett P et al., Answering a Call to Action on American Workplace and Community Opioid Concerns. *NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy*. August 2021. doi:[10.1177/10482911211037573](https://doi.org/10.1177/10482911211037573)

Rosen J, Harnett P. Confronting Two Crises: The COVID-19 Pandemic, the Opioid Epidemic, and the Industrial Hygienist. *NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy*. July 2021. doi: [10.1177/10482911211029580](https://doi.org/10.1177/10482911211029580) .

Harnett, P.B., AIHA Opioids Working Group and the PPE Conundrum, June 2020 at the American Industrial Hygiene Conference and Exposition (remote).

Harnett, P.B. Addressing occupational exposure to fentanyl and other opioids, APHA/NIOSH Work, Stress and Health Conference, June 9, 2019

Harnett, P.B. and Heidel, D. Opioids and protection of workers involved in opioid response, AIHA, September 26, 2019 <https://www.aiha.org/events/opioids-and-protection-of-workers-involved-in-opioid-response>

Harnett, P.B., Osterman, D.S., Stadelman, S.T. "Implementation of hazard communication 2012: Are your clients adequately prepared?" *DRI, The Voice of the Defense Bar*, September 5, 2013, 16(2): 1-7.

Harnett, P.B. "Overview: Occupational Measurement and Control of Hazardous Agents: Solvents, Dust and Noise," Invited by Chinese government and World Health Organization, June 4, 2009, Jinan, China and June 6, 2009, Xingdao, China.

Harnett, P.B. Select issues regarding testing of children's articles, March 31, 2009, Juvenile Product Manufacturers Association Summit, Washington, DC.

Harnett, P.B. Introduction and issue overview, June 2007 at Diacetyl and Related Flavoring Products Seminar, Washington, DC.

Harnett, P.B. and Greenhalgh, M.E. Enhancing safety of research laboratories in a pharmaceutical facility through application of a chemical hazard exposure assessment tool, May 2005 at the American Industrial Hygiene Conference and Exposition in Anaheim, California.

Harnett, P.B. Empirical data and modeling of a flammable spill in a chemical fume hood do not support the need for fire suppression within the chemical fume hood ductwork, *Chem Health Safe*. July-August, 2003, 11-14. [https://pubs.acs.org/doi/full/10.1016/S1074-9098\(03\)00057-1](https://pubs.acs.org/doi/full/10.1016/S1074-9098(03)00057-1)

Harnett, P.B. Hazardous exhaust systems in research laboratories- the need for a code change, May 2003 at the American Industrial Hygiene Conference and Exposition in Dallas, Texas.

Harnett, P.B. and Greenhalgh, M.E. Empirical data and modeling of a flammable spill in a chemical fume hood do not support the need for fire suppression within the ductwork of the chemical fume hood. Platform presentation, June 2002 at the American Industrial Hygiene Conference and Exposition in San Diego, CA.

Harnett, P.B. and Tatsch, C.L. Derivation of acceptable quantities of hazardous chemicals for use and storage in research laboratories. Platform presentation, June 2002 at the American Industrial Hygiene Conference and Exposition in San Diego, CA.

Downie, J.L., P.B. Harnett, and J. Albert. Air sampling and uptake biokinetic modeling as tools to assist the On-Scene Coordinator in prioritization of cleanup of lead contaminated sites. Platform presentation, September 1993 at the 9th Annual Conference of Chemistry for the Protection of the Environment, Egypt.

Harnett, P.B. et al. Air dispersion modeling confirms lead air sampling results and assists in selection of respiratory protection at a Superfund site. Platform presentation, May 1993 at the American Industrial Hygiene Conference and Exposition in New Orleans, LA.

Harnett, P.B. et al. Lead air sampling and uptake biokinetic modeling as support for remedial actions at a Superfund site. Paper presented June 1992 at Air and Waste Management Association Conference in Kansas City, MO.

Harnett, P.B. (Principal contributing author). 1989. U.S. EPA health and safety audit guidelines. Published by the Office of Solid Waste and Emergency Response, EPA/540/G-89/010, December.

Ivatt, R.J., P.B. Harnett, and J. Reeder. 1986. Isolated erythroglucans have a high affinity interaction with wheat germ agglutinin but are poorly accessible *in situ*. *Biochemica et Biophysica Acta* 881: 124-134. [https://doi.org/10.1016/0304-4165\(86\)90105-4](https://doi.org/10.1016/0304-4165(86)90105-4)

Harnett, P.B., S.H. Robinson, D. Schwartzendruber, and M. Costa. 1982. Comparison of protein, RNA and DNA binding, and cell cycle specific cytotoxic effects of nickel compounds in cultured cells. *Toxicology and Applied Pharmacology* 64: 20-30.
<https://pubmed.ncbi.nlm.nih.gov/6180523/>

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