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## Curriculum Vitae

**Harry M. Neill, CIH**  
**Vice President**  
**1Source Safety and Health, Inc.**  
**140 South Village Avenue, Suite 130**  
**Exton, PA 19341**

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### EDUCATION

MS, Industrial Hygiene, Temple University, Philadelphia, PA- 1987  
BS, Environmental Engineering Technology, Temple University, Philadelphia, PA- 1986

### CERTIFICATIONS

Certified Industrial Hygienist (CIH) in Comprehensive Practice by the American Board of Industrial Hygiene in 1993 - Certificate No. 5997

### PROFESSIONAL ORGANIZATIONS

American Board of Industrial Hygiene, Diplomat  
American Industrial Hygiene Association, Local and National Member

### EMPLOYMENT HISTORY

#### *1Source Safety and Health, Inc, Exton, PA 1/00 – Present*

Vice President and a founding partner. Manages staff and performs microbiological, indoor air quality and environmental infection control investigations and remediation plan development. Worked with building systems engineers and occupational health physicians for indoor air quality and microbiological building problem resolution. Develops expert reports for litigation support and provides expert testimony.

#### *Galson Corporation, Plymouth Meeting, PA (Sold to ENSR Corporation 8/99) 1/94 – 12/99*

Senior Client Manager managed staff and performed industrial hygiene, indoor air quality, and microbiological and environmental infection control investigations and remediation plan development. Worked with building systems engineers and occupational health physicians for indoor air quality and microbiological building problem resolution.

#### *BCM Engineers, Inc Plymouth Meeting, PA 1/88 – 1/94*

Staff Industrial Hygienist promoted to Senior Industrial Hygienist, managed staff and performed industrial hygiene, indoor air quality, and microbiological and environmental infection control investigations and remediation plan development.

***Environmental Health Protection Consultants, Cherry Hill, NJ 6/87 – 12/87***

Staff Industrial Hygienist performing asbestos surveys and environmental quality assurance monitoring during abatements. Conducted industrial hygiene exposure monitoring for various chemical contaminants.

**TECHNICAL SPECIALTIES**

- Building Moisture and Microbiological Investigations and Remediation Plan Development
- Environmentally Related Infection Control Investigations and Cancer/Illness Cluster Investigations
- Indoor Air Quality Survey Assessments, Planned Program Development and Remediation
- Response to Catastrophic/Emergency Events such as Building Fires, Sewage Releases, Floods, and Building Evacuations

**REPRESENTATIVE EXPERIENCE: Key Projects by Specialty**

**Building Microbiological Investigations and Remediation Plan Development**

***Microbiological Investigation and Remediation, Nazareth Area School District, Nazareth, PA***

Responsible for developing a sampling plan and coordinating the efforts of industrial hygienists in the inspections of the high school and middle school for microbiological contamination, growth and amplification and identification of major moisture sources. Developed a remediation specification, held contractor walkthroughs, qualified a contractor and acted as project manager for the district during the remediation. Facilitated an indoor air quality task force made-up of parents, teachers, administrators and various union representatives. Coordinated with an occupational health physician to investigate occupant complaints of building related disease and with the district's architect and engineer for moisture issue resolution. The project was unique as it involved *Stachybotrys chartarum* and a crawl space, ground water and roof moisture issues, HVAC contamination and several public meetings. After the remediation, several follow-up sampling surveys were performed.

***Microbiological and Moisture Investigations and Expert Report Development, Multiple Insurance Company and Plaintiff Clients***

Performed multiple microbiological and moisture investigations in residential structures, commercial buildings, condominiums and healthcare facilities in response to water releases, chronic moisture incursion and sewage back-ups for insurance claims management and plaintiff case development. Worked with structural engineers, medical professionals and mycologists and counsel. Developed expert reports identifying cause and origin of microbiological growth, contamination and/or amplification with recommendations for remediation efforts and post remediation sampling parameters.

***Moisture and Microbiological Evaluation Hampton Inn Long Island, New York***

Retained by insurance carrier for builder to address allegations of mold growth due to water incursion through façade. Reviewed other experts' reports of allegations of extensive mold growth and contamination. Performed inspections, moisture testing and microbiological sampling throughout hotel. Identified causes, sources and pathways for moisture and mold growth other than being alleged. Subsequent to expert report submission the case was dropped by hotel owner.

## **Environmental Infection Control Investigations**

### ***Legionella Outbreak Investigation and Control Program, Confidential Hospital Clients, East Coast and Mid-West, USA***

Responsible for developing a *Legionella* bacteria control program for a hospital's domestic hot and cold water systems and cooling towers. In developing the program, operations and maintenance of the domestic hot and cold water systems and cooling towers were reviewed. The program included preventive maintenance procedures, guidelines for decontamination and suggested water sampling locations. The main purpose of the control program was to limit conditions that promote amplification of *Legionella* bacteria and if needed, guidance was provided to decontaminate the water systems. Responsible for developing and implementing a sampling approach to identify environmental sources of *Legionella* bacteria in response to four suspect cases of nosocomial *Legionnaires* disease. Sampling identified the presence and suspect sources of the *Legionella* bacteria which were latter sub-typed to match patient specimens. Decontamination recommendations were provided as an interim measure as the hospital investigated permanent engineering solutions.

### ***Aspergillosis Outbreak Investigation, Confidential Hospital Clients, East Coast and Mid-West, USA***

Responsible for coordinating a team of industrial hygienists and engineers, and developing and implementing an approach to evaluate for airborne and surface *Aspergillus* species in Bone Marrow and Burn Units, Oncology Units and in their associated HVAC systems in response to confirmed nosocomial cases of Aspergillosis infection. The investigations included sampling for airborne and surface microbiological contamination, airborne particle sizing, HVAC maintenance and operations evaluations, room pressure relationship determinations, and a review of construction activities. The surveys identified potential sources of contamination and provided recommendations for cleaning of HVAC systems, patient rooms, and to control dusts generated during construction activities

### ***Tuberculosis Engineering Controls Evaluations, Confidential Healthcare Clients, Philadelphia Region***

As Project Manager, responsible for coordinating a team of industrial hygienists and professional engineers during a phased approach to identify deficiencies associated with the supply and exhaust air systems. Developed temporary ventilation controls to minimize infectious droplet nuclei while permanent controls were being designed and implemented. The project was unique because it involved multi drug-resistant TB, heat recovery systems, ongoing renovations, and inadequate as-built drawings.

## **Indoor Air Quality Survey Assessments, Planned Program Development and Remediation**

### ***Proactive Indoor Air Quality Survey Programs, Multiple Educational and Commercial Clients***

Provided technical guidance in the development and implementation of a proactive indoor air quality and investigative surveys for school and commercial buildings. Data was collected both in the morning and afternoon to identify the effect of occupant loading on the building systems. IAQMS<sup>®</sup> data management system was used to evaluate the data and establish a benchmark against published criteria. The surveys were successful in identifying deficiencies in HVAC operations and maintenance, as well as, occupant practices that negatively impacted the IAQ and point sources causing IAQ degradation.

## **Response to Catastrophic Events such as Building Fires, Sewage Releases, Floods and Building Evacuations**

### *Response to 26 out of 30 Students with Rashes, Wilson Area School District, Easton, PA.*

Conducted staff and administration interviews and assisted in developing a review form for the students to identify the etiology and cause of the rashes in the students that occurred in defined period in one section of a seventh grade class. Performed dust characterization sampling and identified that elevated levels of fiberglass were the cause of the rashes and pin pointed the source, which was found in the Art Room. Provided recommendations for remediation including; wet wiping and HEPA vacuuming. There were no other reported cases of the rashes after the remediation efforts.

### *Discharge of Dusts from Ductwork into Operating Room, Confidential Healthcare Client, Philadelphia, PA region.*

Coordinated industrial hygienists to perform sampling and subsequent analysis of unknown dusts that were discharged from ductwork during an invasive procedure in an operating room. Particles and fibers were identified. HVAC system ductwork was traced using carbon dioxide. Recommendations developed for clean up of the operating room areas with subsequent post clean-up sampling.

## **Selected Presentations and Publications**

Neill, Harry M., April 2003 "Mold Investigation and Remediation". Presentation Allentown Chapter of Construction Standards Institute, 25<sup>th</sup> Annual CSI Design and Product Show

Neill, Harry M., 2002 "Consultants Perspective on Microbial Remediation". Presentation at the Association of Specialists in Cleaning and Restoration, 57<sup>th</sup> Annual Convention and Exhibition, Palm Springs, California

Neill, Harry M. March 2002, "Microbiological Conditions (Mold) Affecting Structures" Presentation to the Delaware Association of Realtors at their Toxic Mold Forum

Neill, Harry M., April 2001 "Indoor Microbiological and Moisture Investigations and Remediation" Presentation at the 8<sup>th</sup> Annual American Lehigh Valley Industrial Hygiene Association Conference, Allentown, PA.

Favata, Elissa Ann, Neill, Harry M., Yang, Chin S., December 2001 "Emerging Microbial Diseases of the Indoor Environment" Presentation to the 20<sup>th</sup> Northeast Regional Industrial Hygiene Conference, Princeton, NJ

Favata, Elissa Ann, Neill, Harry M., Yang, Chin S., Chapter 38 Emerging Microbial Diseases of the Indoor Environment, pp 697-716, Occupational and Environmental Infectious Diseases, Edited By Alain J. Couturier, MD, OEM Press Copyright 2000.

Neill, Harry M., 1997. "Is Your Hospital Making Patients Sick? Pay Now—or Later!" Proceedings from the American Society for Healthcare Engineering of the American Hospital Association, 34<sup>th</sup> Annual Conference and Technical Exhibition, San Antonio, TX, July 1997.

Bruun, Daniel M. and Neill, Harry M. 1995. Poster session 334, "Case Studies of Biological Contamination Three Schools: Investigative Approach, Engineering Aspects, and Remediation", American Industrial Hygiene Conference and Exhibition, Kansas City, Missouri, May 1995.

Neill, Harry M. and Guisbond, Jon M., 1995. "An Investigation to Identify Sources and Conditions that Promote *Aspergillus* Amplification in Hospitals" Proceedings from the American Society for Hospital Engineering of the American Hospital Association, Annual Conference and Technical Exhibition, June 1995.

Neill, Harry M., 1994. "Engineering Controls to Prevent TB Transmission." North and South New Jersey Chapters, American Practitioners for Infection Control, Advanced Practitioners Course, April 1994.

Neill, Harry M., 1994. "Industrial Hygiene Hazard Assessments." Proceedings from the American Hospital Association's Fourth National Symposium on Health Care Safety and the Environment, February 1994.

Neill, Harry M., 1993. "Ventilation Systems and TB Prevention." American Society of Hospital Engineering, Health Facilities '93, 30th Annual Conference and Technical Exhibition, June 1993.

Neill, Harry M., 1993. "Environmental Management of Tuberculosis-Ventilation Issues." Live teleconference sponsored by the American Hospital Association, June 1993.

Neill, Harry M., 1993. "Environmental Control/Ventilation." The Hospital Association of Pennsylvania, Spring Symposium, presented in Pittsburgh and Valley Forge, Pennsylvania.

Neill, Harry M., 1993. "Evaluation of Isolation Room Ventilation-Recommended Guidelines." Proceedings from the American Hospital Association Third National Symposium on Health Care, Safety, and the Environment, February 1993.

Neill, Harry M., 1992. "Isolation Room Ventilation Critical to Control Disease." *Health Facilities Management Magazine*, Vol. 5, No. 9, September 1992.

Neill, Harry M., 1992. "Roundtable on TB and Its Impact on Healthcare Facility Design." American Institute of Architects Healthcare Committee, Philadelphia, Pennsylvania.

Neill, Harry M. and Schneider, Christian M., 1990. "Addressing Indoor Air Quality Concerns from the Consultants', Managers, and the Employees' Perspective," Presented at the Hazardous Materials Conference, 1990.