

CURRICULUM VITAE

WILLIAM L. DYSON, PhD, CIH

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EDUCATION: B.S., Chemical Engineering, North Carolina State University, Raleigh, North Carolina, 1966.

M.S., Environmental Health Engineering, Northwestern University, Evanston, Illinois, 1971. Thesis title: *Reduction of Toluene Diisocyanate in Air by Water Vapor*

Ph.D., Environmental Health Engineering, Northwestern University, Evanston, Illinois, 1975. Dissertation title: *The Reaction of Sulfur Dioxide with Zinc Oxide Fume in Air*

Miscellaneous: Graduate work in chemical engineering, North Carolina State University, 1966; Ten week industrial hygiene training course, U.S. Public Health Service, 1967; Business courses, University of Cincinnati, 1967. Numerous short courses and seminars - toxicology, ventilation, asbestos, formaldehyde, indoor air quality, management, and other topics - 1973 to present.

PROFESSIONAL EXPERIENCE:

1998
to
Present Workplace Group, LLC, Greensboro, North Carolina
Consultant in Industrial Hygiene Provide industrial hygiene consultation and services to businesses and employers nationwide.

1991
to
1998 Health & Hygiene, Inc. Greensboro, North Carolina
President Managed multidisciplinary team of occupational health professionals. Personally provided indoor air quality, litigation support, and chemical exposure assessment services for customers nationwide.

- 1982
to
1991
- Health & Hygiene, Inc. Greensboro, North Carolina
Vice President/Industrial Hygiene Developed industrial hygiene department and supervised staff in multiple locations. Oversaw numerous asbestos abatement projects. Personally conducted industrial hygiene studies as a consultant to industry, commercial clients and governmental agencies. Emphasis was on chemical safety and environmental characterization. Dealt with problems involving asbestos, formaldehyde, ethylene oxide, anesthetic gases, noise, indoor air quality and other stressors.
- 1976
to
1982
- Burlington Industries, Greensboro, North Carolina
Corporate Industrial Hygienist Supervised corporate-wide programs on chemical health and safety. Taught numerous short courses on chemical safety to plant personnel, nurses, and others. Responsible for company compliance with TSCA. Handled chemical aspects of product safety. Interacted extensively with corporate management, trade associations, regulatory agencies, chemical suppliers, and customers. Initiated asbestos management program for corporation.
- 1973
to
1976
- IBM, Lexington, Kentucky
Manager, Industrial Hygiene Responsible for industrial hygiene activities at development and manufacturing facility with 6,500 employees. Planned and implemented programs in hearing conservation, radiation protection, hazardous materials control and general industrial hygiene. Handled health hazard aspects of product safety, including vendor toxicology studies and customer inquiries.
- 1967
to
1969
- U.S. Public Health Service, Cincinnati, Ohio
Industrial Hygiene Engineer Provided technical assistance to government agencies and industry in industrial hygiene including hazard and stress evaluation, sampling, and recommendations for control. Planned and helped supervise an eight-hundred plant survey of potential occupational health problems in Chicago metropolitan area.
- 1967
- Monsanto Company, Luling, Louisiana
Technical Assistance Engineer Provided chemical engineering services in an agricultural chemicals plant.
- Summer
1966
- E.I. DuPont de Nemours, Belle, West Virginia
Engineer Intern Worked with special design group for new urea plant.

Summers
1964 & 1965 Union Carbide, Institute, West Virginia
Operator and Engineer Intern Operated polyethylene glycol production unit and conducted special project for acrylonitrile unit.

**ACADEMIC
EXPERIENCE:**

1979 North Carolina A & T State University, Greensboro,
North Carolina
Adjunct Assistant Professor Taught an introductory course in occupational safety and health to undergraduate students.

1971
to
1976 Northwestern University, Evanston, Illinois
Teaching assistant Staff member of experimental freshman engineering program. Taught primarily in areas of mathematics (calculus and statistics) and computer programming.

1970 Northwestern University, Evanston, Illinois
Laboratory teaching assistant Assisted students in a sanitary biology laboratory.

1966 North Carolina State University, Raleigh, North Carolina
Laboratory teaching assistant Assisted students in a chemical engineering unit operations laboratory.

CERTIFICATION: Certified by the American Board of Industrial Hygiene in the Comprehensive Practice of Industrial Hygiene (1978). Certification No. 1457

AFFILIATIONS: American Industrial Hygiene Association –Fellow Member

American Academy of Industrial Hygiene – Member
American Board of Industrial Hygiene – Diplomate
Carolinas Section AIHA – Member
American Society of Safety Engineers – Professional Member
Sigma Xi

**PROFESSIONAL
ACTIVITIES:**

American Industrial Hygiene Association
Air Pollution Technical Committee 1975-1979
Conference Program Committee 1979, 1982-1986
Treasurer 1996 – 1998
American Academy of Industrial Hygiene
Secretary-Treasurer 1980-1983
Vice-President 1983-1984
President-Elect 1984-1985
President 1985-1986
American Board of Industrial Hygiene
Director 1989-1995
Treasurer 1991-1995
American Industrial Hygiene Foundation
Trustee 2002-2005
American Textile Manufacturers Institute
Chemical Substances Subcommittee 1976-1982
Dye Task Group 1981
N.C. Triad Association of Occupational Health Nurses
Advisory Board 1978-1983

Numerous talks and lectures;
American Industrial Hygiene Conference
North Carolina Statewide Safety Conference
Professional Conference on Industrial Hygiene
American Furniture Manufacturers Association
American Association of Textile Colorists and Chemists
Carolinas Section AIHA

**PAPERS AND
PUBLICATIONS:**

Heath, George A. and William Dyson: Handling Powder Dyes: Workplace Exposure, *Textile Chemist and Colorist*, Vol. 22, No. 4, pgs. 25-31, April 1990.

Dyson, William L.: *Guidelines for Safe Handling of Dyes*, ETAD, pgs. 1-15, November 1989.

Powell, Charles H, Duncan A. Holady, Mildred A. Kendrick, and William L. Dyson, The Preliminary Survey: A Technique for the Assessment of the Nation's Occupational Health Requirements, Transactions of the 30th Annual Meeting of the ACGIH, pgs. 60-72, 1968.

McCarl, G.W., R. E. Reifschneider and W. L. Dyson: *Study of an Episode of Illness at Lasko Metal Products Company*, Franklin, Tennessee, Bureau of Occupational Safety and Health, Division of Occupational Injury and Disease Control, May 1969.

Dyson, William, and G. Warren McCarl: *Vehicle Exhaust Exposure at El Paso and Laredo, Texas, Border Crossing Stations*, U.S. Department of Health, Education, and Welfare, Public Health Service, Consumer Protection and Environmental Health Service, Environmental Control Administration, TR-58, November 1968.

Dyson, William and Edward R. Hermann: Reduction of Atmospheric Toluene Diisocyanate by Water Vapor, *American Industrial Hygiene Association Journal*, Vol. 32, Number 11, November 1971.

Imbus, Harold R., Ralph Buncher, William L. Dyson, John A. Thomas, and G.Z. Nothstein: Health Professionals as Experts, *Toxic Torts, Litigation of Hazardous Substance Cases, Trial Practice Series*, pgs. 542-584.

Dyson, William L. and James E. Quon: Reactivity of Zinc Oxide Fume with Sulfur Dioxide in Air, *Environmental Science & Toxicology*, Vol. 10, No. 5, pgs. 476-481, May 1976.

Imbus, Harold R., and William L. Dyson: A Review of Nasal Cancer in Furniture Manufacturing and Woodworking in North Carolina, the United States, and Other Countries, *Journal of Occupational Medicine*, Vol. 29, No. 9, pgs. 734-740, September 1987.

Rose, Vernon E, and William L. Dyson: Occupational Health Survey of

the Chicago Metropolitan Area, U.S. Department of Health, Education and Welfare, Bureau of Occupational Safety and Health, October 1969.