

## LAWRENCE M. GIBBS, MED, MPH, CIH

Occupational and environmental health and safety risk management professional with state-of-the-art experience in industrial hygiene, laboratory safety, biosafety, risk management, EH&S program development, hazardous waste management, emergency planning and response, and risk communication. An innovative leader with demonstrated effective skills in strategic planning, program design and implementation, team building and communication.

### Summary of Experience

#### STANFORD UNIVERSITY

Associate Vice Provost, Environmental Health & Safety November 1992 - present

Manage comprehensive environmental health and safety program of major research and educational institution with over 1500 laboratories. Major technical programs include laboratory health and safety, radiation safety, chemical and biological safety, environmental compliance, fire safety, occupational safety and health, training and risk communications, hazardous waste management, hazardous materials response and institutional emergency management. Oversee a staff of ~70 professional and technical personnel. Program responsibilities cover all aspects of environmental and occupational health and safety risk management with \$9.0+ million budget. Provide leadership, direction and interaction on community, regulatory and legislative affairs. Serve as University spokesperson to regulatory, legislative and political organizations.

#### YALE UNIVERSITY

Director, Office of University Safety

June 1989 - November 1992

Recruited as Director of newly reorganized Office of University Safety within the Provost's Office. Responsible for management of technical programs in laboratory health and safety, radiation safety, chemical safety, biological safety, physical safety, environmental health and hazardous waste management. Staff of over 50 technical and professional personnel including health physicists, industrial hygienists, chemists, biosafety specialists and other environmental health professionals. Program responsibilities cover all aspects of laboratory, occupational and environmental health and safety risk management with \$5+ million budget. Provide input and interaction on state legislative initiatives and agency regulatory development. One such interaction on a legislative task force resulted in over \$1,000,000 benefit to the University.

#### THE UNIVERSITY OF CONNECTICUT

Director, Department of Environmental Health and Safety Nov 1987 - June 1989

Recruited as the first EH&S Director for an institution with over 25,000 faculty, staff and students. Responsible for the development and administration of a comprehensive environmental health and safety risk management program at the main campus and the University's six regional campuses; evaluation of existing and potential occupational and environmental health and safety hazards; development of appropriate policies and risk management procedures; provision of technical support and consultative services to the campus community; administration of four major subgroup specialty branches including radiation safety, chemical and biological health and safety, occupational safety, and emergency response services of a full time fire department; liaison with federal and state regulatory agencies; serving as University spokesperson on environmental health and safety issues.

#### YALE UNIVERSITY

Director, Department of Chemical Health and Safety 1983 - Nov 1987

The Department of Chemical Health and Safety was created in 1983 as a new organizational unit responsible for institutional chemical risk management. Recruited as the first Department Director to initiate new program development, implementation and management. Implemented programs in industrial hygiene, chemical and infectious waste disposal, toxic chemical and biological agent surveillance, emergency response, and hazard communication and training. Reduced chemical waste disposal costs by 50%, representing savings of over \$150K annually. Served as University liaison with federal, state and municipal officials, and union personnel on matters of environmental health and safety. Interacted with the press and public and presented testimony at legislative and regulatory hearings regarding occupational and environmental health issues. Assisted in the development and technical training of the City of New Haven Fire Department's Hazardous Materials Response Unit.

Adjunct Faculty Member (Epidemiology and Public Health) 1983 - 1992

Principal faculty member teaching graduate courses in industrial hygiene and environmental health and safety.

Occupational and Environmental Health Consultant 1983 - Present

Provide consulting services to major universities and hospitals, pharmaceutical research and biotechnology companies, insurance companies, utility companies, consulting firms, federal and state agencies and legal firms engaged in occupational and environmental issues.

Services include program design, provision of technical information and advice, expert witness testimony, surveys and reports, indoor air quality and other environmental problem investigations, and establishment of standards and protocols in industrial hygiene, hazardous waste, biomedical waste management, biosafety, hazard communication and risk management.

UNIVERSITY OF CONNECTICUT HEALTH CENTER  
Environmental Health Specialist 1981 - 1983

Developed institution's first comprehensive environmental/occupational health and safety program for over 2,500 employees. Areas of program development included biosafety, hazardous waste, industrial hygiene, chemical safety, controlled substances, and training and education. Served as institutional biosafety officer in addition to other duties.

Institutional liaison with federal and state regulatory agencies including OSHA, EPA, DEP, DOT, DOJ Drug Control, Workman's Compensation, NIH, and certification agencies such as JCAHO and ALAC. Presented testimony on proposed occupational and environmental laws at state legislative hearings.

Developed innovative, cost-effective program involving hazardous waste recovery, recycling and reuse, a prototype in the industry.

OSHA, U.S. DEPARTMENT OF LABOR  
Industrial Hygienist, Summer Intern 6/79 - 10/79

Conducted industrial hygiene surveys and studies including sampling and evaluation of chemical exposures in a variety of industrial settings.

UNIVERSITY OF MICHIGAN  
Research Assistant 4/79 - 6/80

OTHER POSITIONS  
Chairman, Masconomet Regional District School Board 1975 - 1978  
Program Administrator and Science Teacher, Boston 1972 - 1978  
Peace Corps Volunteer in Peru, South America 1971 - 1972

EDUCATION

M.P.H. University of Michigan, School of Public Health  
Master of Public Health, Industrial Hygiene  
Department of Environmental and Industrial Health 1980  
M.Ed. Boston University, School of Education  
Master of Education (Honors), Science Education 1975  
B.A. State University of New York, Brockport, New York  
Bachelor of Arts (Magna cum Laude), Earth Sciences 1971

CERTIFICATIONS

Certified Industrial Hygienist (Comprehensive Practice, #2764)

### AWARDS

2006 Distinguished Service to Safety Award – presented by the National Safety Council

1996 President's Award - presented by the California College Environmental Health and Safety Association in appreciation of outstanding service.

1987 Certificate of Commendation - presented by the New Haven Department of Fire Services for technical advice and service provided to the New Haven Fire Department's Hazardous Materials Response Unit.

1985 Elm and Ivy Award - presented by the New Haven Foundation for outstanding contributions toward improved relations between Yale University and City of New Haven.

### PROFESSIONAL AFFILIATIONS

American Conference of Governmental Industrial Hygienists, 1980-present

Vice Chair Elect, 2006

Vice Chair, 2007

National Safety Council

Board of Delegates, 2004 - present

Campus Safety, Health and Environmental Management Association (CSHEMA), a Division of NSC

Executive Committee, 2002-2005

National Association of Environmental Managers

Board of Directors, 2001 - present

California Radioactive Materials Management Forum

Chairman, 2006-2007

Board of Directors, 2000 – Present

Board Secretary, 2003-2005

American Academy of Industrial Hygiene (Diplomate), 1985-present

American Biological Safety Association, Charter Member 1981-present

Technical Review Committee, 1981-1987, 1992-1993

Executive Council Member, 1992-1995

American Chemical Society, 1983-present

Chemical Health and Safety Division, 1983-present

American Industrial Hygiene Association, 1980-present

Biohazards Committee, 1982-1986

Laboratory Health and Safety Committee, 1984-1989; 1995-present

Co-founder, 1984

Chairman, 1985; 1998

AIHA Oversight Committee, 1985-1988

AIHA Public Positions Policy Task Force, 1986

AIHA Technical Advisory Committee, 1986-1990

California Campus Environmental Health and Safety Organization, Board of Directors, 1995-1996

Cal-EPA Laboratory Regulatory Reform Task Force member, 1994-1996

CT River Valley Local Section, AIHA

President 1990-1991

Board of Directors 1985-1989

Connecticut Hazardous Waste Management Service

Chairman, Technical Assistance Task Force, 1985

Local Emergency Planning Committee, New Haven CT, 1987-1988

Local Emergency Planning Committee, Mansfield CT, 1987-1989

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Lawrence M. Gibbs, CIH

Associate Vice Provost

Stanford University

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Stanford, CA 94305

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RECENT PRESENTATIONS (OVER 30 TOTAL)

“Impact of Building and Fire Code Hazardous Materials Limits to Research Laboratory Facilities”  
Campus Safety, Health and Environmental Management Association Conference, July 19, 2005,  
Philadelphia, PA

“Identifying and Managing Emerging Nanotechnology Risks” SEMI Global Care Executive  
Luncheon Keynote Address, July 12, 2005 San Francisco, CA.

“Use of Chemical Inventory Systems for Managing Hazardous Materials Risk” CSHEMA Regional  
Seminar on Laboratory Risks, April 28, 2005 University of California-Irvine, Irvine CA.

“Nanotechnology Risk in Research” Stanford Nanofabrication Facility, January 11, 2005, Stanford,  
CA.

“Nanotechnology: Safety and Risk Management Overview” Nanosafe: A Workshop on  
Environmental Health and Safety in Nanotechnology Research sponsored by the National  
Nanotechnology Infrastructure Network, December 2, 2004, Georgia Institute of Technology,  
Atlanta GA

“Emergency Preparedness Planning and Crisis Communications” CSHEMA Regional Seminar,  
October 13, 2004 Desert Research Institute, Reno NV

PUBLICATIONS

Gibbs, L.M. "How Much Emergency Preparedness?" Trusteeship, Association of Governing Boards of Universities and Colleges, Nov/Dec 2001

Hashimoto, R.J. and Gibbs, L.M. "Biological Safety Program Evaluation," Biological Safety: Principles and Practices, Third Edition. Ed. By D. Fleming and D Hunt. ASM Press, Washington, DC. 2000

Gibbs, L.M. "Chemical Health Risks," Biohazards Management, Ed. by D. Liberman. Marcel Dekker, Inc. NY. 1995.

Gibbs, L.M. and Holeman, G. "The Low-Level Radioactive Waste Dilemma: One Institution's Approach." The Low-Level Radioactive Waste Regulation. Ed. by M.Burns. Lewis Publishers, Chelsea, MI., 1988.

Gibbs, L.M. "Indoor Air Investigations at an Academic and Research Institution" Indoor Air Quality '87: Practical control of Indoor Air Problems. ASHRAE, Washington, D.C. May, 1987

Gibbs, L.M., "Potential Chemical Hazards to Biomedical Services Personnel", A Compendium of the Proper Management of Toxic and Hazardous Materials in Health Care Facilities. Ed. by D. Huisingsh and S.J. Miller. North Carolina Board of Science and Technology, April, 1987.

Grant, Lt. M., and Gibbs, L.M., "Development of the New Haven Fire Service's Hazardous Materials Response Program", Proceedings of the Spill Control and Hazardous Materials Conference-Workshop, New Haven, CT Oct. 8-10, 1985.

Biohazards Reference Manual, Co-author. Prepared by AIHA Biohazards Committee, American Industrial Hygiene Committee, Akron, OH 1985.

Gibbs, L.M., "Chemical Hazards", Protecting the Healers: A Guide to the Proper Management of Toxic and Hazardous Materials in Health Care Facilities. Ed. by D. Huisingsh and S.J. Miller. North Carolina Board of Science and Technology, May 1985.

Gibbs, L.M., "Chemical Hazards to Support Services Personnel in Biomedical Research Facilities", in Proceedings of the 1985 NIH Research Safety Symposium. Washington, DC January 1985

Gibbs, L.M., "Hazardous Waste: Challenge of the Eighties", Current Issues in Occupational Safety and Health, Vol. 1, No. 2 October 1984.

Gibbs, L.M., "Recovery of Waste Organic Solvents in a Health Care Institution", American Clinical Products Review, Vol. 2, No. 6 Nov/Dec 1983.

Gibbs, L.M., "Recuperation des Solvants Organiques ou Radioactifs par Distillation", Spectra 2000, No. 89 Vol. 11 Paris, France. (Translated by P. Denis) November 1983.

Gibbs, L.M., "The Disposal of Waste Liquid Scintillation Counting Fluids Utilizing a Spinning Band Distillation Process", Proceedings of XXVI Biological Safety Conference, Houston, TX. October 17-19, 1983.

Gibbs, L.M., "Recovery and Reuse of Waste Organic Solvents and Liquid Scintillation Counting Fluids in Biomedical Research Facilities", Massachusetts Hazardous Waste Source Reduction Conference Proceedings, Massachusetts Department of Environmental Management, October 13, 1983.

Gibbs, L.M. and Bohan, M., "The Disposal of Waste Liquid Scintillation Counting Fluids Utilizing a Spinning Band Distillation Process", Proceedings of the 1983 Campus Radiation Safety Officers Conference. Columbia, Missouri. June 1983.

Gibbs, L.M., "Recovery of Waste Solvents in a Biomedical Research Institution", Proceedings of the XXV Biological Safety Conference. Boston, Massachusetts. November 1982.

Gibbs, L.M., "Development of a Waste Solvent Recycling Program in a Biomedical Research/Hospital Institution", Proceedings of the Twenty Ninth National Conference on Campus Safety. Monograph No. 45, National Safety Council, Chicago, Illinois. June 1982.