

Richard M. Lynch, Ph.D., M.S., CIH, CMC, CMRS, CEA

President, Environmental Safety Mgt. Corporation

21 Scott Street - Riverside, NJ 08075

ph: (856) 764-3557 email: rlynch@esmcorp.com

EDUCATION

Ph.D. Public Health - Major: Occupational Health

UMDNJ-Robert Wood Johnson Medical School and Rutgers, The State University of New Jersey, 1995.

M.S. Industrial Hygiene

Temple University, Philadelphia, PA, 1988

B.A. Ecology

Rutgers College, New Brunswick, NJ, 1984

CERTIFICATIONS

Certified Industrial Hygienist

American Board of Industrial Hygiene, 1989

Certified Microbial Remediation Supervisor

American Indoor Air Quality Council, 2005

Certified Microbial Consultant

American Indoor Air Quality Council, 2005

Certified Energy Auditor

Association of Energy Engineers, 2009

PROFESSIONAL EXPERIENCE

1992-Present **President**

Environmental Safety Management Corporation, Riverside, NJ

Industrial hygiene sampling and evaluations, indoor air quality studies, mold assessments, noise and ergonomic evaluations and interventions for commercial, manufacturing and health care facilities. Manage occupational safety and health & OSHA compliance efforts, PPE and respiratory protection programs and fit testing for client companies and school districts. Investigate occupational disease outbreaks. Develop and administer safety and health, bioterrorism preparedness, emergency evacuation, ergonomics compliance programs.

Conduct water damage, fire residue, sewerage and mold contamination assessments and mold remediation design and oversight in commercial, industrial, health care and residential facilities. Design and implement air and bulk sampling for mold, bacteria, endotoxins, and building material moisture mapping. Design mold remediation activities including water extraction, refrigerant and dessicant dehumidification, carpet, flooring and wallboard sheetrock, and insulation removal, wood concrete and metal mold cleaning and decontamination. Mold clean-up verification via air and surface sampling.

Conduct Energy Audits at residential, commercial and educational facilities to assist clients in reducing energy expenditures. Assist clients with LEED and Green Building design, retrofit and operations and maintenance operations. Co-authored the "Rutgers University Green Home Remodeling Guidelines" to assist NJ homeowners, architects and builders in green renovation planning and implementation.

Provide litigation support in matters related to chemical exposure, product labeling and warnings, forensic chemical and biological exposure modeling, mold contamination and remediation efficacy, ergonomics and workers compensation.

Experienced, dynamic public speaker at conferences, seminars and symposia. Prepare and conduct seminars and training courses on indoor air quality, occupational health and safety, industrial hygiene, ergonomics, mold assessment, and remediation, hazard communication, hearing conservation, green building design and other topics to clients, universities, and industry associations.

2002 – 2003 **Adjunct Professor**

University of Medicine and Dentistry of NJ – NJ School of Public Health

Designed and taught graduate level courses in Industrial Hygiene and Environmental Health to graduate students including physicians, nurses, health educators and others. Director of course development for NJ Health Officers for Nuclear, Biological, Chemical and Radiological Terrorism Preparedness under grant from the NJ State Department of Health and Senior Services.

1994-2002 **Assistant Professor**

Department of Urban Studies and Community Health, Rutgers University

Environmental and Occupational Health Division, UMDNJ - School of Public Health

Design and teach courses in undergraduate and graduate public health programs at Piscataway/New Brunswick and Camden Stratford Campuses of Rutgers University and the NJ School of Public Health. Conduct student academic and career advising, and scientific research on occupational health and safety issues. Responsible for securing and managing a \$1.68 million contract with the New Jersey State Department of Health and Senior Services, to conduct medical and toxicological research on approximately 1,800 chemicals over a four-year period. Participated in the NJ Governor's Domestic Security Task Force in response to Anthrax contaminated mail threats, providing technical support for detection and prevention of Anthrax contamination of NJ State mail handling facilities and personnel.

1992 **Manager, Environment, Health & Safety**

University of Medicine and Dentistry of New Jersey

Developed and administered environmental and health and safety compliance programs for all UMDNJ academic facilities on four campuses throughout central and southern New Jersey. Developed and administered hazardous waste management, laboratory safety, infectious disease prevention, radiation safety and other programs. Provided technical specifications for safety and health protection systems for new building construction and facility retrofit projects.

1991-1992 **Manager, Safety & Industrial Hygiene**

Unisys Corporation, Flemington, NJ

Fully responsible for all safety, industrial hygiene, environmental, hazardous waste, air pollution, workers compensation and emergency medical treatment compliance programs for a 1000 employee manufacturing facility.

Acting Program Manager

Project Coordinator

Industrial Hygienist

Public Employees OSHA Program, New Jersey State Department of Health, Trenton, NJ

Managed all aspects of the Public Employees OSHA Program, including industrial hygiene compliance inspections, programmed inspections of high risk workplaces, educational and standards development activities, and data management.

1983-1986

Health and Safety Technician

Environmental Technician

International Technology Corporation, Edison, NJ

Administered corporate health and safety programs including air sampling and monitoring, heat stress monitoring, hazard communication, PPE selection and site safety plan development for hazardous waste site clean-up and emergency response activities. Conducted air, water and soil sampling at Superfund Sites throughout the east coast, and operated and maintained the Stack Sampling & Analytical Laboratory for the EPA Mobile Incineration System, during dioxin trial burn studies.

TEACHING EXPERIENCE

Undergraduate Courses – Rutgers University

Introduction to Public Health

Health and Public Policy

Field Practicum in Public Health

Issues in Environmental and Occupational Health

Graduate Courses – University of Medicine and Dentistry of NJ

Principles of Industrial Hygiene

Introduction to Environmental Health

Professional Development Courses

Course Director - NIOSH Educational Resource Center – Univ. of Medicine and Dentistry of NJ

Practical Ergonomics for Workplace Health and Safety

Fundamentals of Occupational Safety Compliance

Instructor

Certified Mold Remediation Supervisor Review Course

Louisiana State University – November 2005

JOURNAL ARTICLES

- Lynch, R. M. "Mold Litigation: An Insider's View of Assessment and Remediation Challenges," *New Jersey Lawyer*, April, 2004.
- Fiedler, N., Weisel, C., Lynch, R. et al, "Cognitive Effects of Chronic Exposure to Lead and Solvents" *Am. J. of Industrial Medicine*, Vol. 44:4. 413-423, Oct., 2003.
- Conte, M., Lynch, R.M. and Robson, M. " Microbial Contamination of Compressed Air Used in Dentistry: An Investigation," *Journal of Environmental Health*, Vol. 64, No. 4:15-20, 2001.
- Lynch, R.M. "Modeling of Exposure to Carpet Cleaning Chemicals Preceding Irritant-Induced Asthma in One Patient," *Environmental Health Perspectives*, Vol. 108, No. 9:911-4, 2000.

- Lynch, R.M. and Freund, A. "Short Term Efficacy of Back Injury Intervention Project for Patient Care Providers at One Hospital," *American Industrial Hygiene Association Journal*, Vol. 61, No. 3: 290-294, 2000.
- Lynch, R.M. and Mbaye, I. "Industrial Hygiene Review of Three Manufacturing Facilities in Senegal: Findings and Key Questions," *New Solutions*, Vol. 9, No. 4: 439-448, 1999.
- Lynch, R.M. and Kipen, H. "Building-Related Illness and Employee Lost Time Following Application of a Hot Asphalt Roof: A Call for Prevention," *Toxicology and Industrial Health*, Vol. 14, No. 6: 857-868, 1998.
- Lynch, R.M. "Protecting Retail Customers from Back Injury Risks: The Expanding Role of the Safety Professional," *Professional Safety*, Vol. 43, No. 3: 29-31, 1998.
- Lynch, R.M. and Henifin, M.S. "Causation in Occupational Disease: Balancing Epidemiology, Law and Manufacturer Conduct," *Risk*, Vol. 9, No. 3: 259-270, 1998.
- Ochsner, M., Love, M., Lynch, R.M. et al. "What is Happening to Injured Computer Users? A Study of CWA District 1 Members," *New Solutions*, Vol. 8, No. 3: 309-327, 1998.
- Lynch, R.M., Mohr, S. and Gochfeld, M. "Prediction of Tendinitis and Carpal Tunnel Syndrome Among Solderers," *Applied Occupational and Environmental Hygiene*, Vol. 12, No. 3: 184-189, 1997.
- Lynch, R.M. and Henifin, M.S. "Establishing Evidence of Carpal Tunnel Syndrome in the Patient, Workplace, & Courtroom," *NJ Law Journal*, Vol. 146, No. 7: S-1, S-3 & S-11, 1996.
- Ferrie, R., Lynch, R.M. "There's Something in the Air: One District's Approach to Indoor Air Quality Management" *School Leader*, National School Boards Association, Sept/Oct, 2005
- Lynch, R.M. "Handle with Care: Prevent Injury to the Hands and Wrists," *Operations Forum*, Vol. 15, No. 2: 10-12, 1998.
- Lynch, R.M. "Watch Your Back: Know the Risk of Ergonomic Injury" *Operations Forum*, Vol. 14, No. 11: 12-14, 1997.

Book Chapter

- Lynch, R.M. "Ergonomics" in Breslow, ed. *Encyclopedia of Public Health*, Macmillan Reference USA, New York, NY, 2002.

CONFERENCE PRESENTATIONS/LECTURES (Partial Listing)

- "Mold – Is it Your Problem?" Presented at the National Association of Waterproofing and Structural Repair Contractors, Regional Meeting – Atlantic City Hilton Casino, Atlantic City, NJ November 12, 2009
- "Health & Safety Aspects of Green Building Remodeling" – Presented at the Residential Building & High Performance Design Workshop" US. Green Building Council – NJ Chapter – Willow School, Pottstown, NJ July 14, 2009
- "Asbestos, Lung Cancer and Cigarette Smoking" Presented at the NJ Association for Justice Seminar, Meadowlands Sheraton, November 12, 2009

- “Collaboration between the Physician and Hygienist in Occupational Medicine” Presented at the NJ Association for Justice WORKERS Compensation Seminar, Bally’s Casino, Atlantic City, April 24, 2009
- “Nuts and Bolts of Epidemiology for Lawyers – Mold as a Case in Point.” Presented at the New Jersey Association for Justice Seminar, Pines Manor, Edison, NJ, February 21, 2009.
- “Collaboration between Medical and Building Assessment Professionals: Indoor Biological Contaminants – Health Effects, Assessments and Sampling.” Presented at the American Industrial Hygiene Conference and Exposition – Philadelphia Convention Center, June 7, 2007
- “Certified Microbial Remediation Supervisor Study/Review Course,” - American Indoor Air Quality Council & NAETI at Louisiana State University – Baton Rouge, LA, November 16-18, 2005
- “Successful Mold Restoration Communication” Presented at the Association of Specialists in Cleaning and Restoration 59th Annual Convention & Exhibition – March 12, 2004, Colorado Springs, CO.
- “Biological and Chemical Agents of Terrorism ” Presented at the Public Health Bioterrorism and Emergency Preparedness Training Certificate Program – NJ Environmental Health Association, May - June, 2003, Bordentown, NJ.
- “Indoor Air Quality Fundamentals, OSHA, Mold Guidelines, & Bloodborne Pathogens” Presented at the OSHA Update Guidelines for Long Term Care Conference – American College of Health Care Administrators – NJ Chapter, March 10, 2004, Burlington, NJ
- “Ergonomics” Presented at the New Jersey American Industrial Hygiene Association – Industrial Hygiene Review Course – June, 2000-2007, New Brunswick, NJ
- “The Role of the Industrial Hygienist in Mold Assessment and Litigation” Presented at the Toxic Tort Law Update: Mold, Asbestos & Lead Liability Seminar – NJ Institute for Continuing Legal Education, March 16, 2002, Fairfield, NJ.
- “New Challenges for Respirators Post 9/11” Presented for the Occupational and Environmental Medicine Association of NJ, June 6, 2002, New Brunswick, NJ.
- “Reducing Musculoskeletal Injuries” Presented at the National Transit Institute's Transit Trainers' Workshop 2001, St. Louis, Missouri, April 2, 2001.
- “Impact of Employment on Health of Minorities” Presented at the American Industrial Hygiene Conference and Exposition, Orange County Convention Center, Orlando, Florida, May 24, 2000.
- “Scope of the Ergonomics Problem” Presented at the Universities Occupational Safety and Health Educational Resource Center (UOSHERC) 21st Annual Scientific Meeting - Ergonomics and Musculoskeletal Disorders - Mt. Sinai Medical Center, New York, NY. April 14, 2000.
- “Ergonomics and Transit Workers” Presented at the National Transit Institute's Transit Trainers' Workshop 2000, Portland Oregon, March 29, 2000.
- “Industrial Hygiene in Senegal” Presented at the 19th Annual Northeastern Industrial Hygiene Conference, Marriott Hotel, Princeton, New Jersey, December 3, 1999.
- “Practical Ergonomics for Workplace Health and Safety.” Course Director for National Institute for Occupational Safety and Health Sponsored Professional Development Training Course at UMDNJ, May 7-9, 1997, May 6-8, 1998, November 11-13, 1998, November 17-19, 1999, March 22-24, 2000.
- “Fundamentals of Occupational Safety Compliance.” Course Director for National Institute for Occupational Safety and Health Sponsored Professional Development Training Course at UMDNJ, April 21-25, 1997, June 2-6, 1998, April 19-23, 1999, April 10-14, 2000.
- “Ergonomics for Nurses” for Joint Bachelor of Science Program in Nursing NJIT/UMDNJ, TEC Center, Route 38, Mt. Laurel, New Jersey, October 8, 1998.
- “Indoor Air Pollution,” Presented at ToxRAP Network Training, Environmental and Occupational Health Sciences Institute, January, 1998.

- "Short Term Impact of Back Injury Training Program Among Health Care Workers," Presentation for Occupational Medicine Resident's Seminar Series, R.M. Lynch, UMDNJ-Robert Wood Johnson Medical School, September, 1997.
- "Proving Occupational Lung Disease Claims of Latex Induced Asthma Among Healthcare Workers," with G. Conk. Presented at the State of the Art Trial Techniques Conference, Association of Trial Lawyers of America, Boardwalk Seminar 1997, Bally's Casino, Atlantic City New Jersey, April, 1997.
- "Ergonomics," Presented at the New Jersey and New York sections of the American Industrial Hygiene Association's Summer CIH Review courses, 1997-2000.
- "Surviving Your Computer: Staying Healthy at Work," Presented at the New York Committee for Occupational Safety and Health (NYCOSH)/Mt. Sinai Medical Center Conference New York University, New York, October 1996.
- "Scientific Literature Search and Evaluation Techniques for Occupational Pulmonary Claims," Presented at the Institute for Continuing Legal Education Conference on Proving Causation of Occupational Disease, New Brunswick, New Jersey, October 1996.
- "Risk Factors and Controls for Occupational Carpal Tunnel Syndrome," Presented at the Chief's Medical Rounds Seminar, Cooper Medical Center, June 1996.
- "Ergonomics for an Aging Population," Presented at Rutgers University Academy of Life-Long Learning, Reformed Church, Highland Park, New Jersey, April 1996.

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

- Chairperson, Burlington Township Green Team Sustainability Committee – 2009 - Present
- Founding Director, Indoor Air Quality Association – Trenton Chapter – 2006 - 2009
- Member, Advisory Board– Business Development Incubator – New Jersey City Univ. 2005-2006
- Member, NJ Clean Air Council – Governor Appointed – 2003- 2009
- Member, Association of Energy Engineers – 2009 - Present
- Member, Occupational Health Advisory Board, NJ Dept. of Health & Senior Services, 1996 - Present
- Member, American Industrial Hygiene Association, 1993 - Present
- Member, American Society of Safety Engineers, 1993 - 2006
- Member, American Academy of Industrial Hygiene, 1990 - Present
- Member American Indoor Air Quality Council, 2005-Present
- Member – Rutgers Green Building Remodeling Advisory Board – 2008 - Present
- President, Youth Achievers Committee, Inc. 2003- 2005
- Member & Vice President, Burlington Township Board of Education 2005 – Present