



Curriculum Vitae Mark E. Krzyzanowski

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PROFESSIONAL EXPERIENCE

July 2007 to Present

President – Equipment Damage Consultants, L.L.C.

Founded a technology equipment and property claims service firm to address electronic and mechanical equipment damage assessment, verify causation, conduct RCV/ACV cost reviews, determine LKQ equipment and pricing, and provide for the disaster avoidance and business continuity planning needs of the insurance carrier, communications and technology industries. Nationwide services on insurance claims are provided by our Central New Jersey and Jacksonville Florida offices and are conducted either at loss locations or by desk review via interviews of appropriate parties. The firm has grown to a client base of over 50 insurance claims related (Insurer Claims Departments, Independent Adjustment Companies, Attorneys and other consulting firms) organizations and several corporate customers, with an annual file rate of over 200 claims and numerous disaster avoidance, risk assessment and business continuity planning projects for corporations.

February 2003 to July 2007

Vice-President – Asset Recovery Technologies, Senior Technical Consultant – The Price-Hollingsworth Company, Inc. Lincroft, NJ

Joined Asset Recovery Technologies and The Price-Hollingsworth Company to formulate a full service disaster prevention, response and recovery set of service lines for telecommunications, electronics electrical and industrial machinery equipment owners and their insurers. Conducted damage assessment and restoration program development for numerous water, fire, wind, hurricane, vibration, and particulate/gaseous contaminant damaged equipment sites. Have developed operational and marketing plans for the new East Coast Office of the company. Created a disaster planning and physical risk assessment service line for the company resulting in several consulting projects in a niche SMB market as well as for traditional large technology dependent companies. Developed and directed a training and certification program for the decontamination of

electronic equipment (Certified Technology Restorer™ program). Coordinated the restoration of \$M's of electronic and manufacturing equipment in numerous electronic equipment facilities, manufacturing plants, office buildings and educational campuses throughout the country. Through The Price-Hollingsworth company, provided over 350 insurance claim damage assessments, LKQ analyses and reviews on >\$12.5M of property insurance claims for electronic equipment.

November 2002 to February 2003

Independent Consultant – Disaster Recovery, Damage and Risk Assessment Lincroft, NJ

Established a consulting firm to provide disaster recovery, damage and risk assessment services to the insurance, telecommunications, and data communications industries. Established first clients and completed two significant damage assessment projects for a fire and a vandalism event, prior to merger of the firm with The Price-Hollingsworth Company.

June 2001 to November 2002

Principle Solutions Specialist – Telcordia Technologies Performance Management OSS Product Suite, Piscataway, NJ

Provided technical sales support and business development for three software products of the Performance Management Suite: Service Level Manager, Network Performance Monitor and Network Capacity Manager, including new lead generation. Managed the Performance Management pipeline for customer opportunities and contribute customer feedback to the Product Manager for product enhancements. Developed marketing collateral for use in lead generation and standardized sales presentations for the Suite and all products, leading to increased efficiency of technical sales staff. Business Unit responsibility for numerous RFX bid responses.

October 1998 to May 2001

Director and Project Manager – Telcordia Technologies Disaster Management Services Organization, Red Bank, NJ.

Responsible for the operation of a group of disaster prevention and recovery professionals responding to immediate disaster events, as well as conducting proactive preparation, physical and environmental risk assessment, damage assessment, claims, litigation, equipment environmental testing, and environmental regulatory analysis consulting services. Developed the strategic and tactical direction of the \$7.0M Disaster Management Services business, as well as all business financials and resources (12 employees, several \$M of assets). Provided project management and overall technical guidance for the >50 contracted reactive and proactive projects per year conducted by this organization. Managed and market the portfolio of project service offers and service lines of four program areas provided by Disaster Management Services (Disaster Prevention & Recovery, Environmental Health & Safety, Building Sciences and Fire Safety & Codes). Enabled the growth of the organization's services in Canada, Europe and South America.

June 1994 to September 1998

Program Manager – Telcordia Technologies Disaster Prevention & Recovery - Advanced Environmental Strategies Department, Red Bank, NJ.

Provided the day-to-day management of the Disaster Prevention and Recovery program, providing

a full suite of disaster recovery services for the telecommunications, data processing, electronic equipment and insurance industries. Ran the operations of the program and assigned experts for each project. As a veteran of many major telecommunications facility disaster recovery events, including being a principle investigator in five of the seven major U.S. telecommunications industry central office fires, was chosen to formalize an organization devoted to disaster recovery services. Additional major disaster emergency responses includes the Oklahoma City Federal and World Trade Center Bombings, the San Francisco and Northridge Earthquakes, the 1993 and 1997 Midwest & 1996 PA/WV floods, Hurricane Andrew, Hurricane Floyd, several tornado events and numerous other disasters. Led a group of subject matter experts covering the disciplines of analytical & environmental chemistry, materials science, building & electrical engineering, corrosion physics, fire science and power engineering. The program averaged over 300 individual events and 100 on-site investigations each year. Was responsible for a 24-hour Hotline service, featuring immediate consultation. The proactive services I developed included the environmental and physical risk audits of individual facilities, disaster preparedness guidelines, and customized consulting on contamination prevention.

January 1987 to June 1994

Member of Technical Staff – Telcordia Technologies, Applied Research, Environmental and Contaminants Research District, Red Bank, NJ.

Began a career at Telcordia Technologies as a Staff Technologist in analytical support of disaster recovery, contamination investigations and environmental research programs. This support work consisted of using numerous analytical techniques, including ion chromatography, gas chromatography, scanning electron microscopy, x-ray spectroscopy, infra-red spectroscopy, and atomic absorption spectroscopy. Initiated several independent studies, which led to a promotion to a Senior Staff Technologist and subsequently a Member of Technical Staff (MTS). As an MTS, responsibilities included leading disaster recovery investigations, developing and conducting novel investigatory techniques for analyzing chemical contamination of electronic equipment, research of indoor environments (IAQ) and their effect on electronic equipment, and development of industry standards and guidelines on environmental control (filtration, ventilation, compartmentation, etc.). As part of the work, produced over 500 disaster recovery investigation reports, presentations, lectures, journal articles, technical memoranda, analytical reports, and standard practices.

August 1986 to January 1987

Chemical Technician - Clayton Environmental Consultants, 160 Fieldcrest Ave., Edison, NJ

Conducted analyses of air and waterborne contaminants for an insurance related laboratory. Used the techniques of gas chromatography, atomic absorption/emission spectroscopy, infrared spectroscopy, and was in the process of developing an EPA certified water quality laboratory prior to being offered a position at Telcordia Technologies.

May 1985 to August, 1986

Laboratory Supervisor - Florida Cities Water Company, Gulfgate Laboratory, Sarasota, FL

Supervisor of technicians and responsible for all laboratory analytical work and QA/QC associated with regulatory compliance of three wastewater treatment plants. The parameters monitored included pH, alkalinity, turbidity, D.O., B.O.D., solids content, phosphate, chlorinity, nitrite/nitrate,

TKN, heavy metals, volatile organics and biologicals identification.

May 1983 to May 1985

Chemical Technician - Mote Marine Laboratory, 1600 City Island Park, Sarasota, FL

Conducted experimentation to simulate the aerosolization process of a natural toxin in a simulated marine surf environment. This project defined the controlling parameters, chemistry and physics of organic aerosol production, and resulted in the first reported mechanism for preferential aerosolization of marine toxic substances.

EDUCATION

Graduate (1989-1993) Environmental Science-Chemistry, Rutgers University
GPA: 3.83

B.S. (1980-1984) Marine Science/Biology/Chemistry,
University of Tampa, GPA: 3.31

PROFESSIONAL SOCIETY MEMBERSHIPS and OFFICES

- American Association for Aerosol Research Member (AAAR, ex-officio)
- American Chemical Society Member (ACS, ex-officio)
 - Past Editor, ACS Monmouth County Section Newsletter
 - Past Councilor, ACS Monmouth County Section
- American Society of Heating, Refrigerating, and Air-conditioning Engineers Member (ASHRAE, ex-officio)
 - Voting Member, Technical Committee 2.4, Particulates Contaminants and Particulate Contaminant Removal Equipment (involvement in the standards, and program sub-committees).
 - Chairman, TC 2.4 Research Subcommittee, responsible for \$1,100,000 worth of research contracts.
 - Vice-Chairman, Standards Project Committee 52.2, Method of Procedure for Particle Size Removal Efficiency of General Ventilation Air Filters (Published in 2000).
 - Chairman, Guidelines Project Committee 17P, Guideline for Auditing of Indoor Airborne Particles.
 - Corresponding Member, Technical Committee 2.3, Gaseous Contaminants and Gaseous Contaminant Removal Equipment
 - Corresponding Member, Standards Project Committee 145P, Test Method for Assessing the Performance of Gas Phase Air Cleaning Equipment.
- Association of Contingency Planners (ACP)
- Institute of Electrical and Electronic Engineers (IEEE, ex-officio)
- Middletown Township Environmental Commission, Past Commissioner
- National Fire Protection Association Member (NFPA, ex-officio)

PUBLICATIONS

Krzyzanowski, M.E. "Physical Risk Assessment – Learn Before You Burn." *Disaster Resource Guide*, Vol. 8, 2003.

Krzyzanowski, M.E., J. Hanley, and D. Ensor. "Improving Accuracy in Field Measurement of Particulate Matter Using Particle Counters." *INvironment Professional*, Vol. 2, No. 7, pp. 1, 4-7, July, 1996.

Krzyzanowski, M.E. "Use of Airborne Particle Counting to Evaluate Indoor Air Quality for Remediation and Control", in *IAQ '92 Environments for People*, ASHRAE, Atlanta, GA 1993.

Krzyzanowski, M.E. and B.T. Reagor. "Measurement of Potential Contaminants in Data Processing Environments, *ASHRAE Transactions*, Vol. 97. Pt. 1, 1991.

Krzyzanowski, M.E. and B.T. Reagor. "The Effect of Ventilation Parameters and Compartmentalization on Airborne Particle Counts in Electronic Equipment Offices," *Indoor Air 90*, 5th International Conference on Indoor Air Quality, Toronto, Canada, Vol. 2, pp 404-414, 1990.

Myerson, A.L. and M.E. Krzyzanowski. "An Investigation of the Aerosolization and Transport of *Ptychodiscus brevis* Toxins," *Third International Conference of Toxic Dinoflagellates*, Ottawa, Canada, Elsevier Publishing, pp 315-320, 1985.

SELECTED PRESENTATIONS

Krzyzanowski, M.E., W. Taylor and D. Powell: "Smoke Damage to Electronics and Machinery", Property Loss Research Bureau Annual Conference, San Antonio, TX, April 2005

Krzyzanowski, M.E. Seminar: "Indoor Air Quality and Particle Count Investigations", part of Rutgers University 40 hour Short Course on Indoor Air Quality, 1994-1995.

Krzyzanowski, M.E. "Building Air Filters for the Protection of Electronic Equipment." American Air Filtration Society Meeting, Minneapolis, MN, 10/94.

Krzyzanowski, M.E. Seminar: "Effect of the Flood of 1993 on Telecommunications Plant", 11/93.

Bowmer, T.N., M.E. Krzyzanowski, and I.M. Plitz. "Are Poly (Vinyl Chloride) Materials Destabilizing Outside Plant Products?," Cable Industry Forum, Chicago, IL 10/90.

Krzyzanowski, M.E. "A Survey of Airborne Particle Count Measurements and Relationships in Electronic Equipment Offices," American Association for Aerosol Research Annual Meeting, Philadelphia, PA 6/90.

Krzyzanowski, M.E. "Applications of Ion Chromatography in the Disaster Recovery of Electronic Equipment," 41st Annual Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, N.Y., NY 3/90.

CERTIFICATIONS

- State of Florida Department of Financial Services, Approved Instructor for CE 2-20 - General Lines (Property & Casualty) courses, 2006.
- State of North Carolina Approved Instructor for Property & Liability courses, 2006.
- Certified Business Contingency Planner (CBCP), Disaster Recovery International (DRI), 2004.
- Certified Professional Chemist (CPC), American Institute of Chemists, 1987.
- Certified Supervisor for Hazardous Materials Handlings (HAZWOPPER), OSHA CFR 1910.120, 1995. Re-certified each year through 1999.
- Certified First Entry Personnel and Hazardous Material Handling (HAZWOPPER), OSHA 1910.120, 1994.