

JOHN R. KOMINSKY, M.Sc., CIH, CSP, CHMM, ROH
Environmental Quality Management, Inc.

Education/Certifications

M.Sc., Industrial Hygiene, University of Pittsburgh, 1973
B.Sc., Chemical Engineering, University of Nebraska, 1971

Certified in Comprehensive Practice, American Board of Industrial Hygiene (No. 2246)
Certified in Comprehensive Practice, Board of Certified Safety Professionals (No. 14247)
Registered Occupational Hygienist, Canadian Board of Occupational Hygienists (No. 425)
Certified Hazardous Materials Manager, Institute of Hazardous Materials Mgmt.. (No. 4131)
Radiation Safety Officer, State of Ohio (No. 9223421)
Asbestos Project Designer, State of Ohio (No. 60324)

Areas of Specialization

- Occupational Exposure Assessments (Chemical, Physical, and Biological)
- OSHA Compliance Audits
- Indoor Environmental Quality Assessments
- Process Safety Management Compliance
- Engineering Control & Technology Feasibility Evaluations
- Development of OSHA Mandated Programs and Training
- Asbestos and Lead Management
- Specifications for Remediation of TSCA and RCRA Regulated Substances
- Litigation Support and Expert Witness Testimony

Professional Experience

Mr. Kominsky has over 25 years of experience in the comprehensive practice of industrial hygiene and safety, including exposure monitoring for chemical (inorganic and organic), physical, and biological agents; indoor environmental quality evaluations; safety and health audits for regulatory compliance with OSHA statutes; statistical design of sampling plans and exposure assessment strategies; indoor environmental quality evaluations; conducting process hazard analysis and development of other process safety management program elements; engineering control and feasibility evaluations; preparation of specifications for remediation of TSCA and RCRA regulated substances; preparation of occupational health & safety programs including Mechanical Integrity, Incident Investigation, Chemical Emergency Response, Hazard Communication, Hazardous Materials Management, Control of Hazardous Energy, Confined Space Entry, Respiratory Protection, Asbestos Management and O&M, Laboratory Chemical Hygiene Plans, and Site Health and Safety Plans and the associated training elements of these programs; and design and implementation of research studies to evaluate occupational exposure and control technologies.

Indoor Environmental Quality (IEQ) Evaluations--Over the past 15 years, Mr. Kominsky has focused on indoor environmental quality problems in commercial and public office buildings, schools, hospitals, and residential structures. He has conducted and/or directed more than 400 indoor air quality investigations involving chemical and/or biological agents and performance of heating. These IEQ projects have involved quantitative moisture mapping to identify excessive moisture conditions from external or internal sources using direct probe and radio-frequency measurement techniques; sampling (air, surface, and bulk samples) for fungi (culturable and non-culturable), bacteria, fungal mycotoxins, and bacterial endotoxin; and preparation of technical specifications for remediation of microbial remediation. These IEQ projects have also involved performance evaluations of HVAC systems in accordance with ASHRAE Standards 62-1999 "*Ventilation for Acceptable Indoor Air Quality*" and 55-1992 "*Thermal Environmental Conditions for Human Occupancy*." Use of a multi-zone IAQ and ventilation analysis computer program is used to help predict airflows in a building and the concentrations of airborne chemical contaminants dispersed by these airflows, and predict exposure of occupants to airborne contaminants for eventual risk assessment. These projects have involved chemical sampling for both volatile and semi-volatile organic contaminants, as well as particulate and fibers (natural and synthetic).

Mr. Kominsky served as a consultant to U.S. EPA regarding the biocidal treatment of *Bacillus anthracis* endospores present in the ventilation system for Senator Daschle's Suite in the Hart Senate Office Building. At the request of the Ground Zero Task Force, he conducted a study to determine the environmental impact of the contaminants (asbestos, inorganic metals, PCDDs, PCDFs, and PCBs) released of the collapse of the World Trade Center on the adjacent residential structures. Served on an expert panel established by the New York Academy of Medicine and in collaboration with U.S. EPA to review EPA's plan for the assessment and remediation of indoor air quality in lower Manhattan.

Mr. Kominsky is currently a ***Vice President and Director of the Industrial Hygiene and Safety Division of Environmental Quality Management, Inc. (EQ)***. He is responsible for marketing and provides technical and administrative management for a multi-disciplined industrial hygiene and safety group serving both commercial and government clients. These services include exposure monitoring surveys of chemical (e.g., welding fumes), physical (e.g., radio frequency), and microbiological (e.g., fungi and bacteria) agents; engineering control evaluations and technology feasibility assessments; statistical study design, data management, and data interpretation; process safety management; safety and health compliance audits; process safety management audits; indoor environmental quality evaluations; asbestos and lead building inspections and preparation of corresponding management plans and specifications; and preparation of site health and safety plans, hazardous materials management plans, and OSHA-mandated programs. Mr. Kominsky is also responsible for management of a multi-task contract with a commercial client for the occupational safety and health and environmental oversight for the remediation of a multi-story office building contaminated with chlorinated derivatives of dioxins, furans, and biphenyls; and a contract with U.S. Corps of Engineers Construction Engineering Research Laboratory for evaluation of innovative technologies for removal of lead-based paint from residential structures. He also serves as a project manager on a multi-year

contract with the U.S. Air Force (Armstrong Laboratory Occupational Health Directorate) to provide comprehensive occupational and environmental assessments. The occupational assessments include comprehensive baseline industrial hygiene surveys of aircraft maintenance shops involving assessment of exposures to miscellaneous organic solvents, welding and cutting fumes, metalworking fluids and lubricants, and other chemical compounds; assessment of general and local exhaust ventilation systems; and assessment of personal protective equipment and physical agents (noise and non-ionizing radiation).

Mr. Kominsky is currently an *Adjunct Associate Professor of Industrial Hygiene* in the Department of Environmental Health, Division of Environmental and Industrial Hygiene, at the *University of Cincinnati*.

Before joining EQ in May 1992, Mr. Kominsky served as the *Manager of the Industrial Hygiene and Safety Section at International Technology Corporation*. He was responsible for the management of comprehensive industrial hygiene, safety, and statistics and consultative services for commercial and government clients. He also served as Project Manager on contracts with the U.S. EPA's Risk Reduction Engineering Laboratory for conducting exposure and engineering control technology studies of durable fibers, and with the National Institute for Occupational Safety and Health (NIOSH) for conducting feasibility assessments for occupational health studies of suspect carcinogenic chemicals (e.g., formaldehyde, 2-biphenylol, inorganic acids, dimethylformamide, o-toluidine, and others). Mr. Kominsky directed the design and implementation of a study for the National Paintings and Coatings Associations to assess worker and consumer exposures to volatile components of a polyvinyl acetate (PVA) emulsion paint under varied application techniques and ventilation conditions. He also directed the design of an industry-wide study for the Asphalt Institute to assess occupational exposures to petroleum asphalt and petroleum asphalt fumes during road paving and he directed the preparation of verification test plans for the decontamination and decommissioning (D&D) of a plutonium processing facility.

Prior to joining International Technology Corporation in January 1988, he served as a *senior/supervisory industrial hygienist* in the Hazard Evaluations & Technical Assistance Branch (HETAB), Division of Surveillance, Hazard Evaluations, and Field Studies (DSHEFS) of the *National Institute for Occupational Safety and Health* (NIOSH) from February 18, 1975 to December 31, 1987. His work in the Health Hazard Evaluation (HHE) Program in HETAB resulted in extensive knowledge of hazards (involving chemical, biological, and physical agents) and associated controls for a myriad of industrial and non-industrial processes as well as specialized knowledge required to conduct indoor air quality evaluations. He conducted over 200 HHE's aimed at identifying, evaluating, and ultimately controlling occupational hazards in the workplace. These HHE's involved electronics manufacturing; chemical manufacturing and production; ferrous and nonferrous metal production, machining, and fabrication; hazardous waste sites; automobile and aircraft component manufacturing; paint manufacturing; electrical transformer maintenance and decommissioning; and textile goods production.

In addition to conducting HHE's, he also conducted studies to assess occupational exposures by

fire fighters and other emergency response personnel associated with fires and failures involving PCB-containing electrical equipment. He was NIOSH's Principal Investigator between 1980 and 1988 regarding the assessment of PCB and chlorinated dioxin and furan contamination resulting from these types of incidents. While at NIOSH he conducted pioneering research in determining the background concentrations of PCBs, polychlorinated dibenzofurans, and polychlorinated dibenzo-p-dioxins in air and on surfaces of commercial and public office buildings throughout the United States. In 1985, he received an award from the Centers for Disease Control in "*Recognition of Outstanding Technical Contributions in Evaluating PCB, Dioxin, and Furan Hazards in Occupational Settings.*" In 1987 he served on the National Academy of Sciences, Subcommittee on Dioxins Task Force regarding assessment of PCB, Dioxin, and Furan Contamination of Federal Office Building No. 6 in Washington, D.C. In 1987, he also served on the U.S. Navy Advisory Panel regarding the assessment/remediation of PCB, Dioxin, and Furan contamination of the Naval Air Facility in Norfolk, VA.

Prior to joining NIOSH in February 1975, Mr. Kominsky served as a deputized ***compliance safety health officer (CSHO)*** in the Cincinnati Area Office of ***OSHA for the State of Ohio*** from September 3, 1973 to February 17, 1975. There he conducted over 100 safety and health compliance inspections under the State of Ohio's 7(c)(1) OSHA Program.

Professional Affiliations

American Academy of Industrial Hygiene
American Industrial Hygiene Association
American Conference of Governmental Industrial Hygienists
American Society of Safety Engineers
American Institute of Chemical Engineers
Board of Certified Safety Professionals
Canadian Registration Board of Occupational Hygienists
Institute of Hazardous Materials Management
International Society of Indoor Air Quality

Publications

1. Kominsky, J.R. Background Concentrations of Polychlorinated Dibenzofurans and Polychlorinated Dibenzo-p-Dioxins in Commercial Buildings. *Chemosphere*. Vol.18 (1-6): 599-608, 1989.
2. Kominsky, J.R. PCB-Containing Adhesive in Ventilation Ducts: A Significant Source of Contamination in an Office Building. *Proceedings U.S. EPA Symposium Engineering Solutions to Indoor Air Quality Problems*, Raleigh, N.C., July 17-19, 2000.
3. Daniels, A.E., J.R. Kominsky, and P.J. Clark. Evaluation of Two Lead-Based Paint Removal and Waste Stabilization Technology Combinations on Typical Exterior Surfaces. *Journal of Hazardous Materials B87*: 117-126, 2001.

4. Kominsky, J.R., J.A. Brownlee, T. Powers, et al. Achieving Transmission Electron Microscopy Clearance Criterion at Asbestos Abatement Sites in New Jersey. N.A.C.J. Vol. 6(4):25-29, 1989.
5. Kominsky, J.R.. Polychlorinated Biphenyl Contamination Resulting from Fluorescent Lamp Ballast Burnout. Ontario Disease Surveillance Report, Vol. 7(13), March 27, 1986.
6. Landrigan, P.J., G.F. Stein, and J.R. Kominsky. Common-Source Community and Industrial Exposure to Trichloroethylene. Arch. Environ. Health. Vol. 42(6): 327-332, 1987.
7. Cullen, M.R., J.R. Kominsky, M.D. Rossman, et al. Chronic Beryllium Disease in a Precious Metal Refinery. Amer. Review of Respiratory Disease. Vol. 135: 201-208.
8. Seiler, F.A., H.T. Davis, J.R. Kominsky, et al. Use of Risk Assessment Methods in the Certification of Decontaminated Buildings. Risk Analysis. Vol. 7: 487-495, 1987.
9. Kominsky, J.R., W.T. Slade, and R.W. Mooring. Background Concentrations of Polychlorinated Biphenyls, Dibenzofurans, and Dibenzo-p-Dioxins in Three Commercial Office Buildings in Santa Fe, New Mexico. Proceedings of the 1987 PCB Conference, Electric Power Research Institute, Palo Alto, CA, 1987.
10. Kominsky, J.R. PCB Exposures Following Fluorescent Light Ballast Burnout. Applied Industrial Hygiene J. Vol. 2(3): R-23, 1987.
11. Thompson, H.A., W.A. Kendall, and J.R. Kominsky. Assessment of the Contamination of a Multi Building Facility by Polychlorinated Biphenyls, Polychlorinated Dibenzo-p-Dioxins, and Polychlorinated Dibenzofurans. Environ. Sci. Technol. Vol. 19 (6): 597-603, 1986.
12. Cullen, M.A., M.D. Cherniack, and J.R. Kominsky. Chronic Beryllium Disease in the United States. Seminars in Respiratory Medicine. Vol. 7(3): 203-209, 1986.
13. Orris, P, J.R. Kominsky, and D. Hryhorczuk. Exposure to Polychlorinated Biphenyls from an Overheated Electrical Transformer. Chemosphere. Vol. 15(9-12): 1302-1311, 1986.
14. Hryhorczuk, D, J.R. Kominsky, and P. Orris. PCB, PCDF, and PCDD Exposure Following a Transformer Fire: Chicago. Chemosphere. Vol. 15 (9-12): 1297-1303, 1986.
15. Kominsky, J.R. PCB, PCDF, and PCDD Contamination of Structures Resulting from Electrical Equipment Fires or Failures. Proceedings of the 7th Annual RMCOEH

Conference "Hazardous Waste Management and Control: Weighing the Risks," Park City, Utah, 1986.

16. Korfmacher, W.A., H.A. Thompson, J.R. Kominsky, et al. The Use of a Short Method for Analysis of Samples Obtained from a PCDD and PCDF Contaminated Site. *Chemosphere*. Vol. 14(6-7): 847-850, 1985.
17. Kominsky, J.R. and E.T. McIlvaine. Decontamination of Fire Fighters Protective Clothing with Trichlorotrifluoroethane. *Proceedings of PCB By-Product Formation Conference*. Electric Power Research Institute, EPRI CS/EL-41-4.
18. Korfmacher, W.A., D.M. Rushing, H.C. Thompson, and J.R. Kominsky et al. Analysis of Dust and Surface Swab Samples for Octachlorodibenzo-p-dioxin and Hexachlorodibenzo-p-dioxins by Fused Silica Capillary GC and EC Detection. *J. High Resolu. Chromatography Chromatographic Communications*. Vol. 8: 12-20, 1985.
19. Kominsky, J.R., R.W. Freyberg, P.J. Clark, et al. Asbestos Exposures During Floor Tile Maintenance: Part 1 - Spray-Buffering and Wet-Stripping. *Appl. Occup. Environ. Hyg. J.* Vol. 13(2): Feb. 1998.
20. Kominsky, J.R., R.W. Freyberg, P.J. Clark, et al. Asbestos Exposures During Floor Tile Maintenance: Part 2 - Ultra-High Speed Burnishing and Wet-Stripping. *Appl. Occup. Environ. Hyg. J.* Vol. 13(2): Feb. 1998.
21. Kominsky, J.R. Sampling Method for Assessment of Surface Concentrations of Polychlorinated Biphenyls. *Appl. Occup. Environ. Hyg. J.* Vol. 1(4): R-6, 1986.
22. Kominsky, J.R., C.S. Hubert, J.O. Burkle, et al. Pelletized Carbon Dioxide Blasting for Removal of Lead Paint from Architectural Surfaces. *Environ. Inform. Assoc. J.* Vol. 2(1): 20-24, 1993.
23. Edwards, A., J.R. Kominsky, and R.W. Freyberg. Airborne Asbestos Concentrations During Spray-Buffering of Resilient Floor Tile. *Appl. Occup. Environ. Hyg. J.* Vol. 9(2): 132-138, 1994.
24. Kominsky, J.R., J.M. Boiano, and R.W. Freyberg. Quantitative Evaluation of HEPA Filtration Systems at Asbestos Abatement Sites. *Environ. Inform. Assoc. J.* Vol. 2(1): 6-12, 1993.
25. Kominsky, J.R., R.W. Freyberg, T.J. Powers, et al. Airborne Asbestos Levels Measured Before, During and After Abatement. *N.A.C.J.*, Vol. 8(1): 29-34, 1990.
26. Kominsky, J.R., R.W. Freyberg, J.M. Boiano, et al. In-Place Performance Evaluation of HEPA Filtration Systems at Asbestos Abatement Sites. *N.A.C.J.*, Vol. 8(2): 21-25, 1990.

27. Kominsky, J.R., R.W. Freyberg, J. Chesson, et al. Evaluation of Two Cleaning Methods for the Removal of Asbestos Fibers from Carpet. *Am. Ind. Hyg. Assoc. J.*, Vol. 51(9):500-504, 1990.
28. Kominsky, J.R., R.W. Freyberg, and C.D. Kwoka. Surface and Airborne Concentrations of Polychlorinated Biphenyls in a Multi-Story Office Building. *Proceedings of 1989 PCB Conference*, Electric Power Research Institute, Palo Alto, CA., 1989.
29. Liss, G.M., J.R. Kominsky, J.S. Gallagher, et al. Failure of Enzyme Encapsulation to Prevent Sensitization of Workers in the Dry Bleach Industry. *J. Allergy Clinical Immunol.* Vol. 73(3): 348-355, 1984.
30. Melius, J.M., J.R. Kominsky, and R.A. Costello. Facility Siting and Health Questions: The Burden of Health Risk Uncertainty. *Natural Resources Lawyer.* Vol. XVII(3): 467-472, 1984.
31. Decker, S., S. Clark, J.R. Kominsky, et al. Worker Exposures to Organic Vapors at a Liquid Chemical Waste Incinerator. *A.I.H.A.J.* Vol. 44: 296-301, 1983.
32. Kominsky, J.R., C.L. Wisseman, and D.L. Morse. Hexachlorocyclopentadiene Contamination of a Wastewater Treatment Plant. *A.I.H.A.J.* Vol. 41: 552-556, 1983.
33. Schulte, P.A., M. Singal, W.T. Singal, J.R. Kominsky, et al. The Efficacy of a Population Based Comparison Group in Cross Section Occupational Health Studies. *Amer. J. Epidemiology.* Vol. 116(6): 981-989, 1982.
34. Kominsky, J.R., E. Jannerfeldt, and C.A. Herron. Red Spots Among Flight Attendants: Observation A Valuable Investigative Tool. *A.I.H.A.J.* Vol. 42: 323-325, 1981.
35. Polassis, J. and J.R. Kominsky. Sampling and Analysis of Chlorinated Isocyanuric Acids. *Chemical Hazards in the Workplace. American Chemical Society, Chapter 9*, pages 123-135, 1980, ACS Symposium Series No. 149.
36. Kominsky, J.R. Nonviable Contaminants from Wastewater. *Proceedings Symposium on Wastewater Aerosols and Disease. U.S. EPA. EPA-600/9-80-028*, 1980.
37. Morse, D.L., J.R. Kominsky, C.L. Wissemen, et al. Occupational Exposure to Hexachlorocyclopentadiene: How Safe is Sewage? *J.A.M.A.* Vol. 241:2177-2179, 1979.
38. Emmett, E.A. and J.R. Kominsky. Allergic Contact Dermatitis from Ultraviolet Cured Inks. *J.Occ. Med.* Vol. 19(2): 113-115, 1977.
39. Emmett, E.A., J.R. Kominsky, and B.A. Taphorn. Phototoxicity Occurring During the

Manufacturing of Ultraviolet Cured Inks. Arch. of Dermatology. Vol. 113: 770-775, 1977.

40. Brackett, K.A., E. Shtrom, J. Kominsky, et al. Large Asbestos Structure Release During Typical Operations and Maintenance Activities. Environ. Inform. Assoc. J. pages 18-23, Summer 1996.
41. Kominsky, J.R., R.W. Freyberg, B.A. Hollett, et al. Asbestos Fiber Release During Chang-Out of Filter Bags from HEPA-Filtered Vacuum Cleaners. N.A.C.J. Vol. 9(2):15-19, 1991.

Publications in Progress

1. Kominsky, J.R., L. Anderson, and S.D. Sides. Exposure to Volatile Components of a PVA Emulsion Paint During Application and Drying.
2. Kominsky, J.R., D.R. Gerber, and G.A. Centifonti. Evaluation of the Implementation of Asbestos O&M Programs in Schools: Case Studies Evaluation.

Recognitions

U.S. DHHS, CDC Award. May 1985. Recognition of Outstanding Technical Contributions in Evaluating PCB, Dioxin, and Furan Hazards in Occupational Settings.

Governor of New Mexico Award. April 1986. Colonel Aide-de-Camp Award. Recognition of Significant Technical Guidance to the Decontamination of the New Mexico State Highway Department Building After a June 1985 PCB Transformer Fire.

U.S. DHHS. Superior Work Performance Award. April 1978. Recognition of Leadership and Technical Management Provided During the Decontamination of the Morris Forman Wastewater Treatment Plant.