

Appendix

Biographical Information on Commissioned Authors

Morton Lippmann is the director of the Human Exposure and Health Effects Program and the EPA Center for Particulate Matter Health Effects Research at the New York University School of Medicine. He received an S.M. in industrial hygiene from Harvard University and a Ph.D. in environmental health science from New York University. Before receiving his Ph.D. and joining the faculty at New York University, Dr. Lippmann worked as an industrial hygienist for the U.S. Atomic Energy Commission and the U.S. Public Health Service. He has served on several NRC committees, most recently as chair of the Committee on Toxicology's Subcommittee on Manufactured Vitreous Fibers.

Edward Martin is the president of Edward Martin and Associates, Inc., a consulting firm to the health-care industry and to major health-care information management and technology companies. He is the former acting assistant secretary of defense (health affairs) and the former principal deputy assistant secretary of defense (health affairs). Dr. Martin served 23 years in the U.S. Public Health Service (PHS), retiring at the rank of rear admiral. During his tenure with PHS, he served in a number of leadership capacities, including chief of staff for Surgeon General C. Everett Koop. Dr. Martin received his M.D. from the University of Kansas Medical School.

Joseph V. Rodricks is a principal at Life Sciences Consultancy as well as an adjunct professor at The Johns Hopkins University School of Public Health. He received his M.S. in organic chemistry and his Ph.D. in biochemistry from the University of Maryland. His work focuses on risk analysis and toxicology. Dr. Rodricks is the author of *Calculated Risks*, a widely used introduction to toxicology and risk analysis. He has served on several committees of the NRC, most recently on the Committee on Remediation of PCB-Contaminated Sediments.

Joan B. Rose is a professor in the marine science department at the University of South Florida. She received an M.S. in microbiology from the University of Wyoming and a Ph.D. in microbiology from the University of Arizona. Her research interests include methods for detection of pathogens in wastewater and the environment; water treatment for removal of pathogens; wastewater reuse; and occurrence of viruses and parasites in wastewater sludge. Dr. Rose serves on the NRC's Water Science and

Technology Board and on several NRC committees, including the Committee on Climate, Ecosystems, Infectious Diseases, and Health.

Karl Rozman is a professor in the Department of Pharmacology, Toxicology and Therapeutics at the University of Kansas Medical Center. He received a Ph.D. in organic and pharmaceutical chemistry from Leopold Franzen's University in Innsbruck, Austria. He is a board-certified toxicologist and advisor of governmental risk assessment groups at the national and international level. His research is primarily directed toward understanding the toxicokinetics and mechanisms of action underlying the toxicity of chlorinated aromatic hydrocarbons, particularly dioxins.

Raymond S. H. Yang is the director of the Center for Environmental Toxicology and Technology at Colorado State University and holds an appointment at the university as professor of toxicology. Since 1992, he has been the program director and principal investigator for the Project on Integrated Research on Hazardous Waste Chemical Mixtures, which is part of the National Institute of Environmental Health Sciences (NIEHS) Superfund Basic Research Program. He is also program director for an NIEHS toxicology training grant on quantitative toxicology. Dr. Yang received an M.S. in toxicology and entomology and a Ph.D. in toxicology from North Carolina State University. His research interests include the toxicology of mixtures, pharmacokinetic and pharmacodynamic modeling, and risk assessment.