Contaminated Drinking Water at Camp Lejeune

Committee

David A. Savitz

Chair

David A. Savitz (Chair) is the Charles W. Bluhdorn Professor in the Department of Community and Preventive Medicine at the Mount Sinai School of Medicine. He also serves as director of the Institute for Epidemiology, Biostatistics, and Prevention. His research interests are in reproductive, environmental, and cancer epidemiology. Dr. Savitz was president of the Society for Epidemiologic Research and the Society for Pediatric and Perinatal Epidemiologic Research, and was the North American Regional Councilor for the International Epidemiological Association. He has served on several IOM and NRC committees, including current service as chair of the Committee on Making Best Use of the Agent Orange Exposure Reconstruction Model. Past service includes the Committee on EPA's Exposure and Human Health Reassessment of TCDD and Related Compounds and the Committee on Understanding Premature Birth and Assuring Health Outcomes. He was elected to IOM in 2007. Dr. Savitz received his M.S. in preventive medicine from Ohio State University and his Ph.D. in epidemiology from the University of Pittsburgh.

Prabhakar Clement

Member

Prabhakar Clement is professor of environmental engineering in the Department of Civil Engineering at Auburn University. Before joining the university, he worked as a senior research engineer at the Pacific Northwest National Laboratory for six years and then as a senior lecturer in the Department of Environmental Engineering at the University of Western Australia for three years. His research interests are in modeling of water flow and reactive contaminant transport in groundwater systems, bioremediation of contaminated aquifers, numerical modeling of environmental processes, water quality modeling, and optimal design of treatment systems. He is a memeber of the Groundwater Hydrology Committee of the American Society of Civil Engineers (ASCE), and also serves as the associate editor of the ASCE's Journal of Hydrologic Engineering and Elsevier's Journal of Contaminant Hydrology. He is currently on the Scientific Advisory Committee for the International Groundwater Modeling Conference MODEL CARE 2007. Dr. Clement received his M.Sc. in physics from Madurai University, his M.Tech. in environmental sciences and engineering from the Indian Institute of Technology, Bombay, and his Ph.D. in civil engineering from Auburn University. He is a registered professional civil engineer.

Carol L. Baier-Anderson

Member

Caroline L. Baier-Anderson is a health scientist with Environmental Defense and an assistant professor in the Department of Epidemiology and Preventive Medicine at the University of Maryland at Baltimore. Her research interests are in the use of science in risk assessment and environmental decision making, exposure assessment, multi-stakeholder problem solving for complex environmental issues, and risk communication. Past work has included providing technical outreach assistance to communities living adjacent to hazardous waste sites and working with the U.S. Environmental Protection Agency (EPA) and the U.S. Army on the cleanup of Superfund sites at Aberdeen Proving Ground. She also has consulting experience on conducting risk assessments of solvent-contaminated groundwater. Dr. Baier-Anderson received her Ph.D. in toxicology from the University of Maryland at Baltimore.

James V. Bruckner

Member

James V. Bruckner is professor in the Department of Pharmaceutical and Biomedical Sciences at the University of Georgia, College of Pharmacy. His research interests are in understanding the pharmacokinetics and toxicologic and carcinogenic potential of volatile organic compounds, including trichloroethylene and tetrachloroethylene. Current efforts are directed toward developing physiologically-based pharmacokinetic models of trichloroethylene and its interactions with alcohol. Dr. Bruckner has served on several NRC committees, including the Committee on Acute Exposure Guideline Levels and the Committee on Use of Third Party Toxicity Research with Human Test Subjects. He received his M.S. from the University of Texas at Austin and his Ph.D. in toxicology from the University of Michigan.

Carole A. Kimmel

Member

Carole A. Kimmel is a consultant in toxicology and risk assessment, particularly in the area of reproductive and developmental effects. She was a senior scientist for 20 years with the National Center for Environmental Assessment at EPA. She spent her career at EPA working on advances in risk assessment approaches for noncancer health effects, including reproductive and developmental toxicity and neurotoxicity risk assessment. Dr. Kimmel co-chaired the Developmental Disorders Working Group of the President’s Task Force on Environmental Health Risks and Safety Risks to Children and was a leader on an interagency effort to plan and implement the National Children’s Study. She is a former president of the Teratology Society and was president of the Reproductive and Developmental Toxicology Specialty Section of the Society of Toxicology. Current consulting work includes a part-time position with Exponent as a senior managing scientist and continued involvement in the National Children’s Study. Dr. Kimmel received her Ph.D. in anatomy and teratology from the University of Cincinnati.

Francine Laden

Member

Francine Laden is assistant professor of environmental epidemiology at the Harvard School of Public Health and assistant professor of medicine at the Channing Laboratory, Brigham and Women’s Hospital and Harvard Medical School. Her research interests are in the environmental epidemiology of cancer and respiratory disease. Current research is focused on analyses of the relationship between organochlorines and non-Hodgkin’s lymphoma and Parkinson’s disease, lung cancer and cardiovascular mortality and diesel exhaust in the Trucking Industry Particle Study, ambient air pollution and cardiopulmonary disease in the Nurses’ Health Study, and mortality follow-up in the Harvard Six Cities Study. Dr. Laden was a member of the IOM Committee on Gulf War and Health: Review of the Medical Literature Relative to Gulf War Veterans’ Health. She received her M.S. in environmental health management and Sc.D. in epidemiology from the Harvard School of Public Health.

Bruce P. Lanphear

Member

Bruce P. Lanphear is a Senior Scientist at the Child & Family Research Institute and Professor of Children's Environmental Health at Simon Fraser University, both in British Columbia, Canada. He is the principal investigator for a study of fetal and early-childhood exposure to prevalent environmental neurotoxins-including lead, alcohol, pesticides, mercury, polychlorinated biphenyls, and environmental tobacco smoke-funded by the National Institute of Environmental Health Sciences and the Environmental Protection Agency (EPA). Dr. Lanphear has conducted numerous epidemiologic studies and randomized controlled trials of environmental hazards, including the use of high-efficiency particulate air cleaners to reduce asthma symptoms and lead-hazard controls to prevent childhood lead exposure. His research also explores gene-environment interactions to enhance understanding of susceptibility to environmental pollutants. He recently served on EPA's Clean Air Scientific Advisory Committee for the national ambient air quality lead standard. He received his MD from the University of Missouri-Kansas City, and his MPH from the Tulane University School of Public Health and Tropical Medicine.

Xiaomei Ma

Member

Xiaomei Ma is assistant professor in the Department of Epidemiology at the Yale School of Public Health. Her research interests are in the epidemiology of malignancies of the human hematopoietic system. Specifically, she is interested in environmental and genetic factors in the etiology of childhood leukemia, the epidemiology of myeloproliferative disorders, and methodological issues in the design of various types of epidemiologic studies. Dr. Ma received her M.S. from Shanghai Medical University and her Ph.D. in epidemiology from the University of California at Berkeley.

John R. Nuckols

Member

John R. Nuckols is professor in the Department of Environmental and Radiological Health Sciences at the Colorado State University. He is also director of the Environmental Health Advanced Systems Laboratory. His research interests are in exposure assessment in population-based environmental health studies using computer simulation modeling and spatial information systems. Dr. Nuckols received his M.S. in civil engineering from Northwestern University and his Ph.D. in engineering from the University of Kentucky.

Andrew F. Olshan

Member

Andrew F. Olshan is professor and chair of the Department of Epidemiology at the University of North Carolina School of Public Health. His research interests are in the etiology of birth defects and cancer in children. Recent work has focused on the role of paternal exposures and adverse health effects in children, risk factors for birth defects and the childhood kidney tumor Wilms tumor, and the effects of drinking water disinfection by-products and male reproductive health. He has served on several IOM committees, most recently the Committee for Review of Evidence Regarding Link between Exposure to Agent Orange and Diabetes. Dr. Olshan received his M.S. and Ph.D. in epidemiology from the University of Washington.

Lianne Sheppard

Member

Elizabeth A. (Lianne) Sheppard is a research professor in the Department of Biostatistics and the Department of Occupational and Environmental Health Sciences. She is also affiliate member at the Fred Hutchinson Cancer Research Center. She is an elected fellow of the American Statistical Association and serves as an expert panelist on EPA's Clean Air Scientific Advisory Committee, on both the Ozone and NOx and SOx review panels. Her scientific interests include estimating the health effects of occupational and environmental exposures, air pollution health effects, observational study design, and group information in observational studies. She is an active co-investigator on several occupational and environmental health studies, particularly in the areas of air pollution and occupational noise exposure. Her statistical methods research addresses the role of exposure and study design in estimating health effects from observational studies. Dr. Sheppard received her Sc.M. in biostatistics from Johns Hopkins University, and her Ph.D. from the University of Washington.

Elaine Symanski

Member

Elaine Symanski is associate professor in the Division of Epidemiology and Disease Control at the University of Texas School of Public Health. Her research interests are in the development and application of quantitatively based approaches for evaluating occupational and environmental exposures, retrospective exposure assessment, and investigation of health effects associated with exposures in workplace and community settings. Dr. Symanski received her M.S.P.H. and Ph.D. in environmental sciences and engineering from the University of North Carolina at Chapel Hill.

Janice W. Yager

Member

Janice W. Yager is an adjunct professor in the Department of Internal Medicine, Epidemiology, at the University of New Mexico, School of Medicine. Her research interests are in the application of toxicology to develop biomarkers for human exposure and effects assessment in epidemiology. She is also a principal with Yager Environmental Health Research, LLC. Before joining the university, she was with the Electric Power Research Institute for 16 years, where she managed air quality health research and occupational health research. She is a former president of the Genetic and Environmental Mutagen Toxicology Society Association and was a council member of the Environmental Mutagen Society. Dr. Yager was a member of the NRC Committee on Human Health Risks of Trichloroethylene and EPA’s Scientific Advisory Board Arsenic Review Panel. She received her M.P.H. and Ph.D. in environmental health sciences from the University of California at Berkeley.