

Facilitators and Water Committee Biographical Information

Barbara Aylesworth, PMP, PLM

Barbara Aylesworth has been a project and program manager in the automotive, high-tech electronics and non-profit sectors for more than 20 years. Her expertise includes implementation of product lifecycle management systems and strategic planning. She has a bachelor's degree in mechanical engineering from Lawrence Technological Institute and a master's degree in information from the University of Michigan. She has been the Director of Community Outreach at the Project Management Institute and is committed to bringing project management methodology to community programs. She has been part of the ESD Affiliate Council for the last three years and is one of the founders of the Net Impact professional chapter in southeast Michigan, which advocates for corporate social responsibility. Barbara has been very active this last year with ESD, working to bring solutions to critical water issues in Michigan.

Katherine M. Banicki

Katherine Banicki is President and CEO of Testing Engineers & Consultants, an engineering and consulting firm specializing in environmental, geotechnical, construction materials testing, indoor air quality and automotive component testing. As the leader of a Woman Business Enterprise, she has faced many challenges and is well respected by her peers. Her personal involvement extends to helping employees and their families whenever they are in need. She is also committed to the industry and community; evidenced by the numerous charities and business organizations she supports. Her leadership has inspired her staff to strive for excellence and give back to the community by volunteering their time and talent to assorted volunteer associations such as the American Cancer Society Relay for Life, Volunteers of America Christmas Program, and the Ronald McDonald House to support Children's Hospital.

Ralph H. Kummler, PhD, FESD

Dr. Ralph H. Kummler received his bachelor's degree in chemical engineering from Rensselaer Polytechnic Institute and his doctorate degree from Johns Hopkins University. Early in his career he worked as a staff engineer and principal investigator, specializing in environmental engineering for the GE Space Sciences Laboratory in Valley Forge, Penn. In 1970, he joined Wayne State University (WSU) as an associated professor in the Chemical Engineering Department; he was appointed as a full-time professor in 1975. During his long tenure at WSU, he has been involved with numerous societies and groups. He was appointed as Associate Dean of research from 1997 to 2001, and was also the director of the Hazardous Waste Management Programs. In May 2001, Dr. Kummler was appointed interim dean and became permanent dean in August 2004, a position he held until August 2009. In addition, he has published and presented more than 200 papers in chemical and environmental engineering. He has been awarded numerous distinctions from The Engineering Society of Detroit (ESD) including being inducted into the prestigious College of Fellows. In addition he was the 1990 ESD Affiliate Council's Gold Award recipient, a 1994 & 2004 ESD Distinguished Service Awardee and was awarded the Horace H. Rackham Humanitarian Award in 1999.

David A. Lomas, PE, QEP

Dave Lomas is Manager for Environmental Compliance Group for NTH Consultants. He has experience in pollution prevention planning and storage tanks for facilities that store oil and or chemicals, delineating ground water contamination and soil impacts, designing contaminant remediation systems, and is currently working on mitigation of surface and groundwater impacts from development. He is certified as a Qualified Environmental Professional (QEP) from the Institute of Professional Environmental Practice. He received his bachelor's degree in Forest Hydrology from Michigan Tech, has master's degrees in watershed science from Utah State, environmental engineering from the University of Michigan, and business administration from Wayne State University.

James G. Meenahan, PE, FESD

Jim Meenahan is President of Environmental & Energy Consultants. His career experience includes over 40 years in operations and facilities management and as an environmental engineer. He has been an adjunct professor at Wayne State University, the University of Michigan, and Michigan State University. He has also been actively involved with The Engineering Society of Detroit (ESD), the Michigan Water Environment Association (MWEA), and Oakland Country. He received a degree in chemical engineering from the University of Detroit Mercy.

Carol J. Miller, PhD, PE

Dr. Carol Miller is a Professor and Chair of the Department of Civil and Environmental Engineering at Wayne State University. She is an active water resources researcher, having received grants from the National Science Foundation, Great Lakes Protection Fund, Engineering Foundation, and numerous others. Her research has included both surface and subsurface water supplies and has recently included topics with a water/energy interface. Dr. Miller teaches courses in Fluid Mechanics, Engineering Sustainability, River Engineering, and Groundwater Hydraulics. She is especially interested in urban environmental issues, having helped launch the Urban Watershed Environmental Research Group (UWERG) at Wayne State University. Dr. Miller received all her academic degrees from The University of Michigan, Ann Arbor. She is a licensed Professional Engineer in the State of Michigan and past chair of the State Licensing Board.