

NWRI Onsite Water Treatment Panel Members

July 2015

Sybil Sharvelle, Ph.D. (Panel Chair)

*Associate Professor of Civil and Environmental Engineering
Colorado State University (Fort Collins, CO)*

Dr. Sybil Sharvelle is an Associate Professor in Civil and Environmental Engineering at Colorado State University. She received her doctoral degree from Purdue University, where she developed a biological processor for the treatment of graywater for potable reuse during long space missions. Through this project, Dr. Sharvelle gained experience in water reuse and closed-loop recycling of resources. This experience led to her current interest in sustainable water management. She has led projects funded by the Water Environment Research Foundation, WateReuse Foundation, and US Environmental Protection Agency to study urban water systems, with particular focus on graywater reuse and water conservation. Dr. Sharvelle is a member of the National Research Council committee for beneficial use of graywater and stormwater.



Nicholas Ashbolt, Ph.D.

Professor, School of Public Health, University of Alberta (Canada)

Nicholas Ashbolt has more than 25 years of experience working with water supply systems. His research focuses on next-generation municipal water services (drinking water, wastewater, stormwater) framed around resource recovery (i.e. water, energy, fertilizers) for improved ecohealth and living conditions. Prior to joining the School of Public Health at the University of Alberta, Dr. Ashbolt served as a research microbiologist for US Environmental Protection Agency (EPA), and earned the EPA Office of Research and Development Bronze Awards for science in 2008, 2012, and 2013. He was also a professor in the School of Civil and Environmental Engineering at University of New South Wales–Sydney for 14 years. He has authored or co-authored more than 180 peer-reviewed journal articles and 30 book chapters. Dr. Ashbolt earned a Ph.D. in environmental microbiology from University of Tasmania in 1985.



Edward Clerico, PE, LEED AP

CEO Emeritus, Natural Systems Utilities (Hillsborough, NJ)

Edward Clerico is an innovator and entrepreneur in the field of sustainable water infrastructure, and is noted for his extensive work on distributed water reuse systems (40+ projects), which includes the first direct water reuse systems in residential buildings in the United States. Mr. Clerico was the Founder and President of Applied Water Management, Inc., and Alliance Environmental, LLC. He also served as CEO/COO/President of Natural Systems Utilities (NSU), which owns and operates more than 160 distributed wastewater and water reuse systems and is considered one of the leading distributed water infrastructure



companies in the United States. NSU has also implemented the first renewable energy co-digestion biogas facility, in Ridgewood, New Jersey. He also held executive roles with American Water and is the owner/developer of Carriage Farm LLC, an organic farm that advances local and natural food practices. Mr. Clerico holds B.S. and M.S. degrees from Rutgers University.

Robert Hultquist

Environmental Engineering Consultant, California Department of Public Health (Retired)

Robert Hultquist is a Civil Engineer with more than 45 years of experience in water quality and public health engineering. As an employee of the California Department of Public Health (CDPH), he regulated public water systems for 30 years, was responsible for revisions to the drinking water regulations and water recycling criteria, and developed standards for indirect potable reuse. Since retiring from CDPH, Mr. Hultquist has been assisting the California State Water Board with the development of additional potable reuse regulations.



Harold Leverenz, Ph.D.

Research Engineer, University of California at Davis (Davis, CA)

Dr. Harold Leverenz has been involved in the modeling, design, and evaluation of technologies and processes for sustainable water management for 15 years. His research focuses on decentralized and satellite water reuse systems, natural treatment systems, carbon footprint analysis, and source control systems for nutrient and energy recovery. He holds an undergraduate degree from Michigan State University in Biosystems Engineering and a doctorate in Environmental Engineering from University of California at Davis (UC Davis). Dr. Leverenz is a registered civil engineer in California and conducts research on water reuse in the Department of Civil and Environmental Engineering at UC Davis.



Adam Olivieri, DrPH, P.E.

Vice President, EOA Inc. (Oakland, CA)

Adam Olivieri has 35 years of experience in the technical and regulatory aspects of water recycling, groundwater contamination by hazardous materials, water quality and public health risk assessments, water quality planning, wastewater facility planning, urban runoff management, and on-site waste treatment systems. He has served as a staff engineer with the California Regional Water Quality Control Board (San Francisco Bay Region); staff specialist (and Post-doctoral fellow) with the School of Public Health at the University of California, Berkeley; project manager and researcher for the Public Health Institute; and consulting engineer.

