

# Terry R. Bounds, P.E.

**Terry R. Bounds, P.E.**, Executive Vice President at Orenco Systems<sup>®</sup> Inc., earned his Bachelor of Science degree in engineering from Oregon State University in 1974, and is licensed in civil, environmental, manufacturing, and structural engineering. Terry spent fourteen years as a special studies engineer for the Douglas County, Oregon, Public Works Department. During that time he worked on a wide variety of engineering projects, most notably the pioneering 2,300-unit effluent sewer (STEP/STEG) system in Glide, Oregon. He did much of the research that led to the decision to use STEP/STEG technology at Glide, and then designed the community's collection and treatment system.

In the early 1980's, Terry became an owner of Orenco Systems Inc., a Roseburg, Oregon, company created to design and manufacture carefully engineered equipment for onsite treatment systems and decentralized effluent collection systems. As Executive Vice President, Terry is Orenco's lead research engineer in charge of special projects. His visionary work in R&D has led to the development of many of the company's most cutting-edge products, including Orenco's AdvanTex<sup>®</sup> textile treatment system and its VeriComm<sup>®</sup> web-based remote monitoring system.

A former educator, Terry has taken an active role in bettering the onsite industry. He was a founder and board member of NOWRA, the onsite industry's national trade association, as well as of O<sub>2</sub>WA, the Oregon Onsite Wastewater Association. He has also been a vocal and unwavering advocate of watertight tanks. Terry helped develop an electrical training and "Limited Electrical License Certification Program" for onsite installers, and served for sixteen years as the chair of the Onsite Technical Review Committee for the State of Oregon's Department of Environmental Quality.

## **A Selection of Technical Publications and Articles by Terry R. Bounds:**

Bounds, Terry R. "Design and Performance of Septic Tanks." American Society for Testing and Materials, 1997.

Bounds, Terry R. "Management of Decentralized and Onsite Wastewater Systems." American Society of Agricultural Engineers, 2001.

Bounds, Terry R. "Performance of Textile-Based Packed Bed Filters." World Congress on Environmental Health, 2002.

Loudon, Ted L., Terry R. Bounds, and James C. Converse. "Nitrogen Removal and Other Performance Factors in Recirculating Sand Filters." American Society of Agricultural Engineers, 2004.

Bounds, Terry R. "Sunset Bay: Next Generation Approach to Decentralized Cluster Systems." Southwest Onsite Wastewater Conference, 2014.

Bounds, Terry R. and Grant Denn. "Decentralized Design Considerations and Life-Cycle Costs." NOWRA, 2015.