



Thomas D. Waite PhD PE

An internationally renowned environmental engineer with more than 40 years' experience, Dr. Waite is at the forefront of new water and wastewater treatment technologies, including high-valence iron chemistries, and the use of high-energy electrons for environmental applications. His laboratories have led the research in these technologies, and he has designed and built full scale treatment systems. Dr. Waite brings a lifetime of experience as a researcher and practicing environmental engineer with a specialty in water quality control to this role. Dr. Waite has a PhD in Environmental Engineering from Harvard University, and has devoted himself to scholarship and research in his field, rising to several positions at the University of Miami and Northwestern University, including Professor of Civil and Environmental Engineering, Chairman of the Department of Civil Engineering, Associate Dean of the College of Engineering, and Director of the Laboratories for Pollution Control Technologies. In 2002 Dr. Waite was appointed Program Director of the Environmental Engineering Program at the National Science Foundation (NSF). In 2005 he became the Dean of the College of Engineering at the Florida Institute of Technology. He is the author, co-author or editor of four books and more than 150 technical reports and research presentations.



In addition to university-based scholarship and research, Dr. Waite has had extensive experience in consulting and practicing engineering, both domestically and abroad. Dr. Waite led research to develop advanced membrane systems for oil-water separation for the U.S. Navy in Annapolis Maryland. He spent a year working at the Nanyang Technological University in Singapore where he was the first to design and build processes for treatment of ships' ballast water. Based on this breakthrough research, Dr. Waite was included in the Singapore delegation to the International Maritime Organization (IMO) of the United Nations in London England. Dr. Waite developed the official treatment standards for ballast water treatment to prevent the transport of unwanted species which were formally adopted by the IMO and are in force today around the world. Dr. Waite has also participated as an international expert in marine pollution at the Helsinki Water Protection Laboratory in Finland. Dr. Waite led an industrial waste survey in Barbados, West Indies and Belize, Central America while being a consultant to the Caribbean Community Secretariate. Dr. Waite has been a go-to expert for the Pan-American Health Organization (PAHO) dealing with hazardous waste disposal issues throughout South and Central America. Based on results from these assignments Dr. Waite was asked by the World Health Organization (WHO) to lead a working group on coordination of technical cooperation for improving access and quality of drinking water globally.



Because of Dr. Waite's work with high-energy electron accelerators utilized for environmental treatment, Dr. Waite became a technical expert for the International Atomic Energy Agency (IAEA) of the United Nations. In this role he was sent on assignments as an expert to work with the governments of Brazil, Ecuador, Saudi Arabia, Korea, and Egypt.

Dr. Waite has also held appointments with both federal and state agencies in the US. He was a committee member on four National Research Council (NRC) committees dealing with marine pollution and transport of unwanted species by ships' activities. Dr. Waite was recently appointed to the Florida Oceans and Coastal Counsel by the Florida legislature.

Dr. Waite has helped in the start up of four companies that were commercializing technologies he had developed in his laboratory.