

Emerging Paradigms: Practical Comparisons of High Performance Indoor Aquatic Systems

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Douglass G. Whiteaker, President and Principal of Water Technology, Inc., has extensive experience in the aquatic industry. He is dedicated to the planning, design, engineering and construction of aquatic facilities throughout the United States, Canada and internationally. Mr. Whiteaker leads projects of great diversity in size, scope and function including colleges and universities, athletic and fitness centers, YMCA's, hospital based wellness centers, waterparks and family aquatic centers.



Mr. Whiteaker is well versed in public speaking. He spends much of his time travelling to share his knowledge with municipalities at public meetings and project interviews as well as at various conferences. Mr. Whiteaker has presented seminars at Athletic Business, NIRSA's Annual Conference, NIRSA's Aquatics Conference, NRPA Annual Congress, NRPA's National Aquatics Conference, Texas Public Pool Council, CEFPI, the Medical Fitness Conference, CPRA's Recreation Facilities Design and Management School and numerous state conferences.

Abstract

A swimming pool is only as healthy and safe as the systems and methods employed to control water quality; and the challenges of maintaining high quality water are constantly evolving. Discuss and compare advances in aquatic systems and the importance of highly efficient methods of control. Emerging methodologies in circulation, filtration, primary and secondary sanitation, environmental control and user management are evaluated. Water quality control becomes ever more crucial as new research develops. The condition of the pool water at an aquatic facility either positively or negatively impacts patrons more than any other element. Maintaining clean and healthy water contributes not only to a facility's quality of service, but the quality of life in the community it serves.

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