

It was more than the increasingly complex government-mandated compliance standards requiring treatment of stormwater and industrial runoff that prompted J. Kelly Williamson to found AquaShield™ Inc. in 2000. Williamson not only recognized the importance of keeping the nation's water supply clean,

but also understands the need to provide clean water all over the world.

"Water is one of our most precious natural resources," Williamson explains. "In the late 1990s, the federal, state, and local regulations were tightened to address the problem of pollution from stormwater and industrial runoff. Our focus is to provide an effective treatment system and group of products to remove pollutants from our water sources. At AquaShield™ we remain dedicated to promoting and enabling the effective stewardship of this resource by treating stormwater and industrial runoff that pollutes our sensitive water resources."

Williamson founded AquaShield™ with an eye to provide quality environmental solutions for water contaminant issues at industrial and commercial facilities. The company not only provides products for the removal of certain contaminants carried by sediment and debris in stormwater and industrial runoff, they also offer several other unique products that target the removal of waterborne pathogens which are now setting the standard for a wide variety of water filtration applications worldwide.

AQUASHIELD™ PRODUCTS

AquaShield™ offers three patented essential alternatives for treating stormwater and industrial runoff - the Aqua-Swirl® Concentrator, the Aqua-Filter™ Stormwater Filtration System and the

Aqua-Guardian™ Catchbasin Insert. The Aqua-Swirl® Concentrator, the company's stand alone hydrodynamic separator, was introduced to meet the increasing requests for primary pollutant removal of sediment and floatable debris and oils. The Aqua-Filter™ Stormwater Filtration System allowed the company to offer a simple and effective means to protect sensitive receiving waters with a "treatment train" structure utilizing pretreatment sediment removal incorporated with a filtration chamber to remove fine contaminants. Aqua-Guardian™, a catch basin insert, was introduced for use at point source problem sites such as gas stations, fast food restaurants, and high traffic parking lots.

The AquaShield™ line of products distinguish themselves from others through the use of high density polyethylene and fiberglass reinforced plastic construction materials thereby providing unmatched flexibility and adaptation to site-specific conditions. All AquaShield™ products are fabricated and tested under rigorous quality control procedures prior to shipment. Each product arrives at the project job site completely assembled and ready for installation which increases productivity and reduces overall project costs.

"We strive to understand the customer's needs and offer the best cost efficient solution in a timely manner," Williamson states. "We accomplish this goal through our network of professional

independent sales agents who market AquaShield™ products across the United States and worldwide utilizing our corporate engineering and customer service staff in Chattanooga. Fabrication facilities in several states from the east to the west coasts are geographically positioned to meet our customers' logistical needs. In addition, strategic alliances are in place for off-shore distributors to service our markets in Canada, the Caribbean, South America, Russia, Asia, the South Pacific and the Middle East. We have licensed agents in each of these markets to better serve our customers."

In recognition of the threat by waterborne pathogens to human health and water treatment applications, a division of AquaShield™, A. S. Filtration™ LLC, offers two antimicrobial filter media products: Pathex® and PathShield™. These media include an EPA-registered antimicrobial agent which permanently bonds to a silica-based substrate. Both technologies instantaneously destroy bacteria on contact without relying on physical trapping, chemical reaction, or the addition of chemical disinfectants to the treatment stream. Independent toxicity tests, combined with NSF/ANSI 61 certification, support that the filter media is not toxic. In addition, independent laboratory and field performance tests clearly demonstrated long term bacteria removal efficiencies from 92 percent to 99.99 percent.



PRACTICING WHAT WE PREACH

AquaShield™ stepped into the shoes of its customers at its corporate headquarters. Company officials took advantage of an opportunity to underscore their faith in their stormwater and antimicrobial treatment technologies by putting them to work at its corporate facility.

"We are well aware of what we can do to treat stormwater runoff and we incorporated our cutting edge water-management technologies into our own building," Williamson points out. "The sustainable approach and being a good steward of land and water resources are fundamental to our mission at AquaShield™. "Green" technologies can easily be utilized to compensate for the changes made to the land. These technologies can replace or even improve naturally occurring processes. Our building also includes an entire series of sustainable design features aside from those associated with stormwater. Combined, they play an integral role in making the facility an example of what can be accomplished when the

environment is made a priority, especially in an urban environment. Building in an urban environment does not have to be just cold steel and concrete."

THE AQUASHIELD™ VISION

At AquaShield™, we recognize that with success comes responsibility... to our customers, our community, and to our world. We are part of the Tennessee Clean Water Initiative and we

are recipients of the Spirit of Innovation Award presented by the Chattanooga Area Chamber of Commerce.

Our vision for the future is evidenced by our pioneering the use of environmentally-preferable materials in our products. We not only understand the requirements of today, we concern ourselves with the needs of tomorrow. Our research and product development efforts are dedicated to identifying opportunities and developing innovative solutions not only to stormwater treatment challenges, but to any challenges involved in protecting our world's water supply. Every AquaShield™ technology is custom engineered to meet the highest standards of quality expected today and needed for tomorrow to provide clean useable water for every community that needs it.

◀ Aqua-Filter™ "low impact device" for protecting sensitive receiving waters.

▼ Corporate HQ demonstrates practical use of cutting edge water management and LEED inspired technologies.



▼ Pathex® - NSF/ANSI-61 Certified Antimicrobial Filter Media.

