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**From:** AQUATHIN TECH SUPPORT [mailto:TECHSUPPORT@AQUATHIN.COM]

**Sent:** Wednesday, April 03, 2013 4:23 PM

**Subject:** FORUM Q & A: UPDATE #3 STUDIES -- MAJOR STUDY SUGGESTS EFFICIENTLY RUN SOFTENERS DO NOT HURT SEPTIC TANK PERFORMANCE

**Importance:** High

Dear Aquathin Dealer OnLine;

Water Softner Motivation

I respectfully urge you to meet with your Teams to review [ and Reprint, Duplicate, Laminate, Disseminate for your Customers ] the article below concerning firm data that water softeners do not harm septic tanks...in addition to the earlier Forum Q&A Update that softened water results in detergent and energy reduction, and prolonged appliance life and efficiencies

<http://www.aquathin.com/pdf/Conditioned%20Water%20Does%20Make%20A%20Difference.pdf> and attachment.

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## Major study suggests efficiently run softeners do not hurt septic tank performance

Independent testing concludes that systems can work well together

INDIANAPOLIS, April 2, 2013 /PRNewswire/ -- Water softeners set with appropriate salt efficiency do not harm septic systems and may actually help them, according to a new study released today at WQA Aquatech USA.

The Water Quality Research Foundation commissioned Virginia Polytechnic Institute and State University to conduct independent and scientific testing on the issue in 2012. The result is an official report, "Changes in Septic Tank Effluent Due to Water Softener Use." Nearly \$100,000 was invested for this 18-month study, which included many site visits and the work of numerous trained experts from WQA, NOWRA, regulators and NSF International.

According to the authors of the study: "The data indicate that the use of efficiently operated water softeners improves septic tank performance, while the use of very inefficient home softeners may have a negative effect on solids discharge to the drain field and the level of impact will depend on the level of hardness in the water, whether the regeneration waste is discharged to the septic tank, and the amount of excess sodium present in regeneration wastes."

Softeners are often the enabling technology that keeps the rest of our houses running effectively by preventing damaging scale build up, said Dave Haataja , executive director of WQA. In areas with especially hard water, softeners are a necessity for anyone who doesn't want to constantly buy new appliances and replace pipes and fixtures. Comprehensive independent studies have also shown many other practical advantages: Saving energy and money, reducing the use of harmful detergents, and keeping our landfills a little less full. To obtain the most accurate results possible, two different approaches were taken by those conducting the research. One study in a controlled laboratory setting examined a range of softener/septic reactions. Then to look at real-world conditions in everyday circumstances,

case studies were conducted in the field. The authors also looked at previous studies and tests.

WQA and NOWRA have collaborated to update the "Guidance for the Use of Water Softening and Onsite Wastewater Treatment Equipment" to include recommendations for use of water softeners with higher salt efficiencies, which this study indicates will minimize potential impacts on septic tank performance.

The Water Quality Association, a non-profit organization that seeks to uphold high standards in the water treatment industry, has committed to education programs to help disseminate sound practices for those with softeners and septic tanks. The association provides information through its professional training and certification programs and other venues.

The Water Quality Research Foundation (WQRF), formerly The Water Quality Research Council (WQRC), was formed in 1949 to serve as a universally recognized, independent research organization. WQRF has invested hundreds of thousands of dollars to commission credible third-party testing to offer hard data to consumers, those in the industry and policymakers.

For more information, contact Dave Loveday at [dloveday@wqa.org](mailto:dloveday@wqa.org) or 630 505 0160 (office) or 630 947 5955 (cell).

SOURCE Water Quality Association

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*Alfie*

Alfred J. Lipshultz  
President & CEO

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**From:** AQUATHIN TECH SUPPORT [<mailto:TECHSUPPORT@AQUATHIN.COM>]

**Sent:** Friday, March 04, 2011 2:50 PM

**To:** [Info@Aquathin.Com](mailto:Info@Aquathin.Com) ([info@aquathin.com](mailto:info@aquathin.com))

**Subject:** FORUM Q & A: UPDATE #2 STUDIES -- WASHING WITH SOFTENED WATER CAN "SIGNIFICANTLY" CUT DETERGENT & ENERGY CONSUMPTIONS

**Importance:** High

Dear Aquathin Dealer OnLine;

I respectfully urge you to meet with your Teams to review [ and Reprint, Duplicate, Laminate, Disseminate for your Customers ] the article below concerning firm data for detergent and energy reductions as a result of softened water ...IN ADDITION to the already data information you have for prolonged appliance life and efficiencies [ see attached...gottaluv this pic ] !!!



### **Studies: Washing with softened water can significantly cut detergent use, energy consumption**

3/2/2011 11:19:06 AM

LISLE, ILL. — Two new independent studies released yesterday indicate that consumers can cut back dish and laundry detergent use by 50 percent or more and lower washing machine temperatures from hot to cold just by using softened water, according to a [press release](#).

The detergent savings studies, conducted by the independent testing firm Scientific Services S/D of New York and funded by the Water Quality Research Foundation (WQRF), reveal that softened water might not only save consumers money but could also be environmentally friendly.

According to the studies, washing machine detergent use can be reduced by 50 percent and energy saved by washing in 60 F cold water instead of 100 F hot water, achieving the same or better stain removal and whiter clothes compared to results in hard water.

And in dishwashers, residents living in areas with very hard water can cut detergent use by more than 50 percent after softening and get the same results.

“The benefits of softened water in people’s daily lives are significant,” said Peter Censky, executive director of the [Water Quality Association](#). “These studies show how consumers can save money and energy by softening their water.”

To read the entire article, [click here](#)...AND FOR DETAILED INFO, CLICK [wqa.org/detergent/SWB\\_Studies.pdf](http://wqa.org/detergent/SWB_Studies.pdf)

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