

Summer 2018

We believe in the meaningful work of producing clean water.

## WaterOne Completes Riverbank Restoration Project On Kansas River

WaterOne recently completed channel restoration work on a section of the Kansas River east of its cofferdam weir near I-435 and Holliday Drive. Due to favorable conditions, coordination with permitting agencies, and the diligence of the contractor, the project has been completed earlier than expected.

Restoration work was necessary on this section of the channel due to ever-changing river conditions. The project included excavating the center channel in front of the weir, reinforcing the north bank of the river, and constructing a second “bendway weir” downstream from the intake in order to divert the river back towards the middle of the natural channel.

The project represented both a forward-looking investment in WaterOne’s infrastructure, and a commitment to protecting the health of natural resources. Efforts were made to mitigate the

environmental impact of the project, including use of turbidity screens to prevent the water from becoming excessively muddied during work. A protected “fish-ladder” structure is also maintained to allow wildlife to move freely. WaterOne coordinated with river conservation group Friends of the Kaw, who assisted in keeping river users informed about the scope of the work and changes to portage access throughout the project.

WaterOne’s cofferdam weir on the Kansas River was constructed in 2009 to direct a sufficient flow of water to its intake under low-flow conditions. WaterOne’s weir is private property and access is prohibited, but kayakers and paddle sports enthusiasts may bypass the weir via a short portage on the north bank. The portage is currently open for use as grading is finalized and grass is replanted. ♦



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## Largest-Ever Turnout at WaterOne and Olathe's Tower2Tower 5K



For the third year in a row, WaterOne and the City of Olathe kicked off National Drinking Water Week with the Tower2Tower 5K on Saturday, May 5th. Beautiful spring weather greeted the 615 runners, walkers, and joggers of all ages, which was almost 200 more participants than the previous year. This year's race coincided with Cinco De Mayo, so the crowd was treated to chips and salsa in addition to fresh fruit offerings and a flavor-infused "Quench Bar" tap water refreshment station. The event also featured an all-new 1-mile Kids Run for children ages 5 through 12. Medals were presented to all category winners, and one lucky participant won a drawing for a rain barrel.

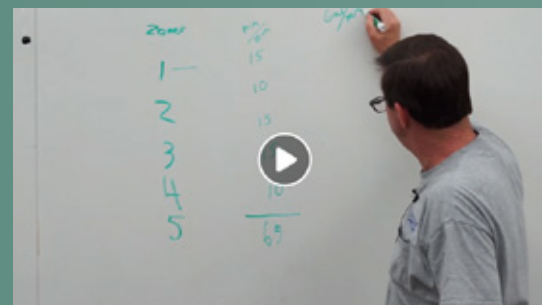
The event raises money for Water For People, a non-profit that works to bring safe, clean drinking water to places around the world who need it the most. This year's race raised \$9,187 for Water For People, and that donation was

then doubled thanks to a matching grant from engineering group CDM Smith. Thanks to event sponsors Black & Veatch, Burns & McDonnell, Garney Construction, and Homeserve USA, it's possible for 100% of the event's registration fees to be donated to the charity. In the three years that the race has been held, 5K participants have raised almost \$22,000 for Water For People.

The Tower2Tower 5K is a partnership between WaterOne and the City of Olathe. The race course begins at WaterOne's Administrative Offices water tower, takes participants down Renner Boulevard to Olathe's water tower at 119th and College Boulevard, and then loops back to the finish line. The two water towers are spaced at just enough distance from one another to make for a great 5K loop route. 💧

## Learn How To Estimate Your Sprinkler Usage in New Video

Ever wondered how your sprinkler could make your water bill jump so high? Check out our new video that explains the numbers at [youtube.com/OurWaterOne](https://www.youtube.com/OurWaterOne). 💧



## WaterOne Engineers Assist in Pipe Inspection R&D

WaterOne's Distribution Engineering group recently partnered with a company to complete research and development testing for a new pipe inspection system. The tests will help the vendor prove out their technology and enter the prestressed concrete cylinder pipe (PCCP) inspection market, helping to bring a new vendor to the water industry and making additional resources available to utilities.

"For PCCP mains, WaterOne has traditionally used electromagnetic inspections to determine wire breaks. With this new equipment, WaterOne was a test case to see if the stresses in the PCCP steel cylinder could be related back to wire breaks as well as show holes in the cylinder," said Distribution Engineering Manager Shaun Pietig. "WaterOne tries to support the development of new technology because it improves the equipment offerings available on the market."

The equipment & technology being evaluated is by a manufacturer who specializes in tools for pipeline inspection and condition analysis on metallic pipe by determining the remaining wall thickness. The large machine consists of several round sensor housings which are studded with roller skate wheels.

For the tests, a section of 30" PCCP main was removed. Then the machine was lowered in and pulled back and forth through the main by cable. As it moved through the main, the machine inspected for weak points and stresses in the pipe's steel cylinder structure. WaterOne allowed the manufacturer to test their equipment in a section of main that had previously been inspected, and the existing data can now be compared against the new readings in order to prove its accuracy. 💧

## Work Vehicles Delight Young Customers At Touch-A-Truck



WaterOne participated in Overland Park's Touch-A-Truck event at the Overland Park Convention Center on Sunday, July 15th. The popular annual event lets kids get an up-close look at fire trucks, police cars, dump trucks, and other cool big vehicles. This year's event featured over 40 giant trucks from different companies, including a knuckle-boom truck exhibited by WaterOne's Construction & Maintenance crews. Younger visitors were excited to get a color-changing WaterOne drinking cup, and it was an opportunity for their parents to ask questions and get information about their water service. 💧



# WaterOne

Water District No. 1 of Johnson County

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