

UV Pure® Case Study

Application:	Municipal/Institutional Projects
Solution:	Hallett® 13 system
Location:	Toronto, ON



Pure, safe water.
Always.

“It Is Safe To Drink!”

Toronto and Region Conservation (TRCA) Guarantees Pure, Safe Water for Rural Residents and Field Education Centers.

Living in a big city like Toronto we take a lot for granted. We know our garbage will be picked up on the same day each week and disposed of. Electricity is available with the flick of a switch. And safe drinking water flows freely from our taps. For us, it just happens.

But what if you lived in a rural community outside of Toronto? What would you take for granted? According to Bill Jewell, Maintenance Supervisor for TRCA, “unless it’s being treated with a Hallett® system from UV Pure® Technologies, it sure wouldn’t be the water you would take for granted.”

TRCA was established in 1957 to protect, restore and celebrate the natural environment in the Toronto region through the development and application of watershed plans, innovative environmental science and education programs. The nine watersheds within the Toronto region are home to more than three million people or one third of Ontario’s population. Within this jurisdiction TRCA is also the “land lord” for a number of rental properties and Field Education Centers. Currently, 50 per cent of the rental properties are on municipal water, 45 per cent are on the well, and 5 per cent are on cisterns or ponds. The latter being where coliform, fecal and background bacteria levels can be a more serious concern.

Up until two years ago when Bill met Ron Hallett® from UV Pure®, TRCA used a variety of treatment combinations including chlorine with pulsation pumps and conventional UV systems. For the most part they were effective in controlling the bacteria count but in some cases would fail to meet the rigorous TRCA standards of attaining a “0” count for both coliform and fecal testing.

Many tenants, not trusting the water even with treatment, had been using bottled water supplied by TRCA; a solution that became both a huge expense and a nuisance.

“We were having a lot of problems with the conventional UV systems we had in place at some properties and, based on routine testing, found that we just couldn’t be sure that they were doing the job,” explained Bill. “When I met Ron he had just completed a prototype system that I could see was far superior to what was available at the time. So I told him that if the Hallett® system could do what they say it can do, I’d give it a try.”

As UV Pure®’s first customer, TRCA worked with UV Pure® to install a Hallett® 13 with patented Crossfire Technology into a rental property where water was taken directly from a spring fed pond with a total coliform count of over 100.

“We installed the Hallett® 13 into a tenant’s home and were thrilled with the results. Each test after the Hallett® was in place returned coliform, fecal and background bacteria counts of “0,” said Bill. “However, it took the tenant’s a little time to get used to the idea of having pure, safe drinking water all the time!”

For Bill the decision to move to the Hallett® system was an easy one to make. “You can’t beat this unit. The design is fantastic – the wiper and motor is ingenious – and the fail-safe shut-off feature helps me sleep well at night. I know that if anything goes wrong and the water is unsafe, that the unit will shut off ensuring that water is not being supplied to our tenants.”

For TRCA, the Hallett® UV drinking water purification system has proven to be the best investment they have made in water treatment for the families and facilities they manage. Together Bill, Ron and the teams from TRCA and UV Pure® proved that the Hallett® UV drinking water purification system is the most technologically advanced and provides the most effective deactivation of pathogens in the world.

As Bill sums up, “being first is always a risk. But having experienced what UV Pure®’s technology can do, I know there is no other way for us to go. There is nothing safer than a Hallett®.”

