

WCWC Pilot Testing

Reducing Iron in a Groundwater Well

In 2018, the Walkerton Clean Water Centre (WCWC) completed a project with a community located in Southcentral Ontario, which has noticed the iron concentrations in their source water increasing over time. The community's source is groundwater being supplied by a well. WCWC conducted both bench scale and pilot scale testing to determine if aeration or chemical oxidation followed by filtration was required to reduce the iron to an acceptable aesthetic level. The water quality was monitored and performance results of different methods of oxidation and filtration were provided to the community. The project was beneficial for the community in designing the

expansion of their drinking water treatment system.

Visit our online library at wcwc.ca/Drinking-Water-Resource-Library to view the full report and other pilot testing reports and presentations.

To learn more about WCWC's pilot testing services, visit wcwc.ca/pilottesting or contact us at 1-866-515-0550 or inquiry@wcwc.ca.

Do you experience any of the following water quality issues?

- organics
- disinfection by-products
- iron and manganese
- arsenic
- taste and odour
- turbidity and more

Pilot and bench scale testing units include:

- conventional
- dissolved air flotation
- membrane filtration
- granular activated carbon
- ion exchange
- slow sand filtration
- ozone
- ultraviolet light
- advanced oxidation processes



WCWC staff secure a filtration unit to be transported on-site for pilot testing