

WCWC Pilot Testing

Pilot Testing to Reduce Iron and Hydrogen Sulfide Gas

In 2018, the Walkerton Clean Water Centre (WCWC) completed a project with a year-round residential community in Southwestern Ontario. The community uses a well that has naturally occurring iron and hydrogen sulfide which affects the water's aesthetic qualities. The iron was causing coloured water issues in the community and the hydrogen sulfide gas was producing unpleasant odours. WCWC tested different methods of oxidation and filtration on-site to determine what would be the most effective approach for the challenging source water. The community and their consulting engineer were able to use the results from this project to determine a plan for

the community's water system moving forward.

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.



WCWC's on-site pilot installation included aeration, chlorination and filtration

Do you experience any of the following water quality issues?

- organics
- disinfection by-products
- iron and manganese
- arsenic
- taste & 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