

WCWC Pilot Testing

On-site Testing for Arsenic Reduction

In 2019, the Walkerton Clean Water Centre (WCWC) completed a project with a community located in Southwestern Ontario. The community relies on a well that has arsenic concentrations bordering the recently reduced regulatory limit. WCWC tested the treatment options that were proposed by the engineering consultant on-site using the community's source water. Bench scale tests were used to test the effectiveness of chlorine oxidation followed by filtration. Pilot scale tests were then performed to optimize the arsenic reduction for the system. The results from this project are being used by the community and consultant for future planning and potential upgrades to the existing pumphouse.



Staff from WCWC work on preliminary water quality testing on-site at a pumphouse

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 & 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