

WCWC Pilot Testing

Pilot Testing with Mississaugas of Scugog Island First Nation

In 2017, the Walkerton Clean Water Centre (WCWC) completed a project with the Mississaugas of Scugog Island First Nation located in Southcentral Ontario. The community was on a long-term drinking water advisory since 2008 and interested in building a new water treatment plant. WCWC tested different chemical applications and filter media for the new potential plant using the community's source water. The source water has iron concentrations that affect the water's aesthetic qualities. A combination of jar tests and pilot scale tests were used to assess treatment effectiveness, providing the community and their consultants important background information



WCWC used their dual train, conventional pilot plant to compare chemical doses

when designing and commissioning the new treatment plant.

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