

WCWC Pilot Testing

Pilot Testing with Chippewas of Nawash Unceded First Nation

In 2019, the Walkerton Clean Water Centre (WCWC) completed a project with Chippewas of Nawash Unceded First Nation. The community is located on Georgian Bay and requires a new water treatment plant and distribution system to resolve the drinking water advisory that started in January 2019. Using the community's source water, coagulation and granular activated carbon filtration were tested to see if they were necessary additions to ultrafiltration. WCWC conducted simulated distribution system tests which indicated the disinfection by-products would remain low despite the anticipated detention times. The engineering consultant will use these results to design the system upgrades.



Members from WCWC and Chippewas of Nawash Unceded First Nation review plans for the pilot testing experiments

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