

WCWC Pilot Testing

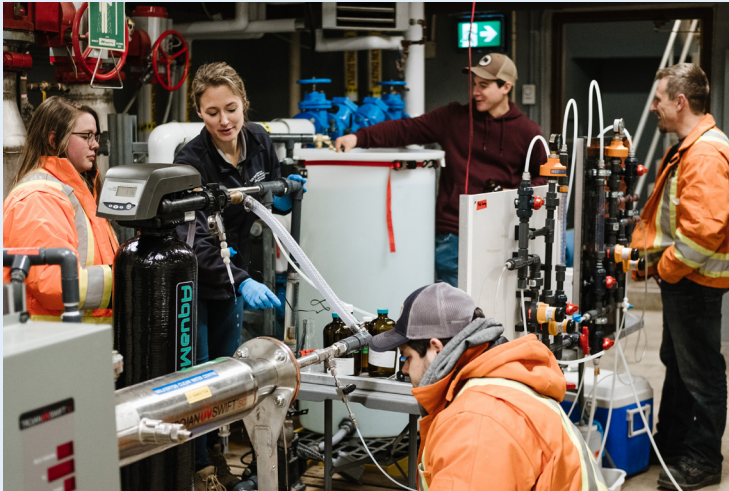
Pilot Testing with the Township of Tay to Reduce Taste and Odour

In 2019, the Walkerton Clean Water Centre (WCWC) completed a project with Township of Tay. The community has been experiencing seasonal taste and odour events, such as geosmin and methyl-isoborneol (MIB) in the raw and treated water. The community's ultrafilter effluent was used to test an advanced oxidation process (AOP) (high UV dose + hydrogen peroxide) and granular activated carbon (GAC) to reduce taste and odour compounds. WCWC confirmed that both AOP and GAC removed the taste and odour compounds to below the odour threshold; however, additional chlorine was needed after the AOP process. The township

and engineering consultant will use the results to select the appropriate treatment for their system upgrades.

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.



Members from WCWC and Township of Tay review the set-up and operation of the on-site pilot plant.

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