

May 2021

## R.L. Clark Water Treatment Plant Zebra Mussel Control System & Lake Current Monitoring System Upgrades

**Contract #: 20ECS-MI-01TW**

**Start Date: May 2021**

**End Date: March 2023**

*\*Timeline is subject to change.*

The City of Toronto (City) provides safe drinking water to 3.6 million residents and businesses in Toronto and portions of York Region. The City's drinking water is strictly regulated by municipal, provincial and federal authorities and we are fortunate to have Lake Ontario as our drinking water source. To continue to ensure the R.L. Clark Water Treatment Plant (WTP) operations are in a good state-of-repair, the City will be making two important system upgrades.

The existing zebra mussel control system is at the end of its service life and in need of replacement. Zebra mussels are invasive, fingernail-sized mollusks that colonize on most surfaces including the WTP's intake pipe (located deep off the shore in Lake Ontario). The zebra mussel control system protects the water treatment plant against mussel infestation and damage to infrastructure and equipment. If not managed, the mussels can restrict flow to the water treatment plant and they can also make their way into critical equipment causing significant damage. This construction work will replace the existing system at the WTP to bring it to a state-of-good-repair.

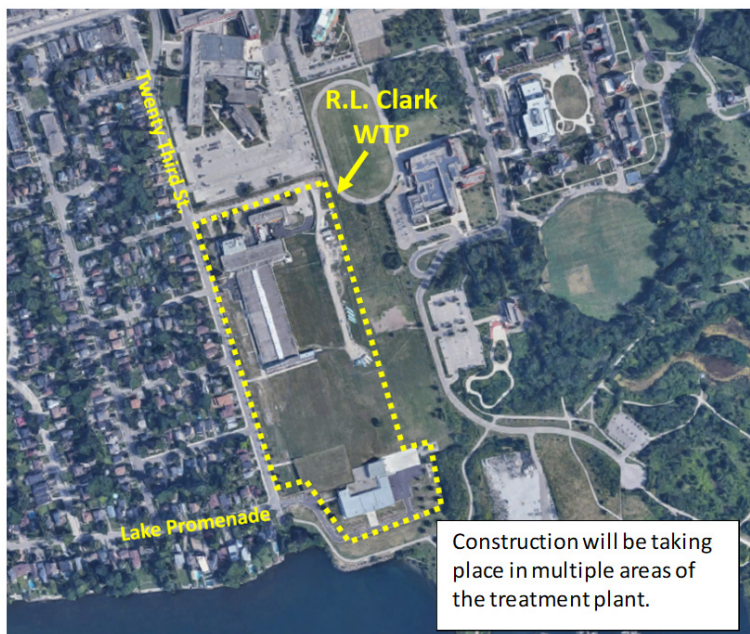
In addition to replacing the existing zebra mussel control system, the City will be installing a new lake current monitoring system near the WTP's intake pipe. The permanent installation, required under the Province of Ontario's Source Water Protection Plan, will allow the City, and other municipalities and agencies, to collect and share the data to undertake spills scenario modelling. Once installed, the new system will provide real-time information of the lake currents and other water quality parameters and alert the City to any lake water quality changes. The new system will allow for timely critical adjustments to be made to water treatment operations and ensure that the City can continue to provide safe drinking water to the residents and businesses in Toronto.

This project is part of the Council-approved 2021 Toronto Water Capital Works Program and similar upgrades will also be implemented at the F.J. Horgan and R.C. Harris Water Treatment Plants.

### IMPORTANT INFORMATION ABOUT COVID-19 AND CONSTRUCTION WORK IN TORONTO

At this time, the Province of Ontario has allowed municipal construction to continue to ensure safe and reliable operations and/or to provide new capacity in municipal infrastructure. The upgrades are essential to ensure the City's infrastructure remains safe, in a state-of-good repair, and able to meet Toronto's needs. During construction, the contractor is responsible for all aspects of health and safety on site, as specified by the Ontario Occupational Health and Safety Act, which includes implementing COVID-19 mitigation practices. For more information on the City's response to COVID-19, please visit [toronto.ca/covid-19](https://toronto.ca/covid-19).

### MAP OF WORK AREA







## WORK DETAILS

The City's contractor will work within the fenced areas of the plant as well as in the vicinity of the WTP's intake pipe in Lake Ontario. Work will include:

- erecting temporary chain-link fencing around work areas (within the water treatment plant's property)
- removal and installation of equipment within the treatment plant
- on-shore laydown and staging for lake works
- off-shore water vessel activity to facilitate installation of the new zebra mussel control system as well as the lake current monitoring system

## WHAT TO EXPECT DURING CONSTRUCTION

	<p><b>Work Hours:</b> Work will take place from 7 a.m. to 7 p.m., Monday to Friday, with work after hours and on weekends only as required.</p>
	<p><b>Truck Traffic:</b> Occasional truck traffic, on Twenty Third Street, for delivery and removal of equipment from the water treatment plant during Work Hours.</p>
	<p><b>Disruptions:</b> You may experience dust, noise and other inconveniences. The City will make efforts to reduce these impacts. Local traffic will generally be unaffected, with pedestrian access restrictions across the WTP property anticipated. The contractor will provide notification to the public of any temporary disruptions that may impact you. Your patience is appreciated.</p>
	<p><b>Restoration:</b> Areas affected by construction will be restored.</p>

## NEED MORE INFORMATION?

If you have questions about the upcoming work, please contact us and quote the contract below.

<p><b>Contract</b></p>	<p><b>20ECS-MI-01TW</b></p>
<p><b>Project Engineer</b></p>	<p>Varun Shah, 416-338-2851, <a href="mailto:varun.shah@toronto.ca">varun.shah@toronto.ca</a></p>
<p><b>Plant Contact</b></p>	<p>R.L. Clark Water Treatment Plant Gabriela Dimitrijevik, 416 397-5818, <a href="mailto:Gabriela.Dimitrijevik@toronto.ca">Gabriela.Dimitrijevik@toronto.ca</a></p>
<p><b>TTY Hearing Impaired Service</b></p>	<p>416-338-0889 (Seven days a week, 8 a.m. – 5 p.m., closed on holidays)</p>
<p><b>General inquiries</b></p>	<p>3-1-1</p>
<p><b>Website</b></p>	<p><a href="http://toronto.ca/etobicokelakeshore">toronto.ca/etobicokelakeshore</a></p>

Thank you for your patience. Building a great city takes time. Better infrastructure for all of us is worth the wait.