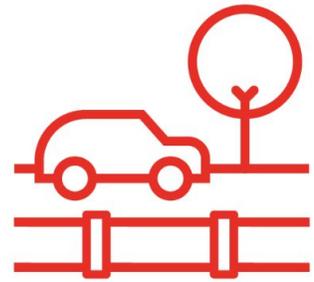


Bientôt dans votre quartier



The largest ozonation disinfection unit in the world

At the Jean-R.-Marcotte water treatment station

In the coming weeks, construction of a world-class ozonation unit will begin on the site of the station. This new technology will eliminate almost all viruses and bacteria, and also a large proportion of pharmaceutical products from wastewater treated at the station. A very environmentally friendly solution!

All about the work site

Ozonation disinfection consists of injecting ozone at the end of the water treatment station's current treatment process. This method allows for more efficient treatment of wastewater before it is discharged into the river.

To benefit from this technology, which is scheduled to be operational in 2025, several stages of work must be carried out.

Overall, the project involves building an ozone disinfection unit and upgrading existing structures at the site of the station.

First phase of work

June 2022 to December 2024

- Construction of a temporary bypass channel allowing the station to operate during construction;
- Work on the station's evacuation channels to make them hermetically sealed and ensure safe, efficient and effective ozone contact with the treated water;
- Construction work on the various drainage structures located on Rue Sherbrooke East and Île aux Vaches.

For a healthy river

Ozonation disinfection will:

- Improve water quality after its use and before its return to the river;
- Protect marine fauna and flora;
- Meet the requirements set by the Ministère de l'Environnement et de la Lutte contre les changements climatiques.

Virtual public information session

To learn more about the project and work, you are invited to a virtual public information session.

- **When:** May 30, 6:30 p.m.
- **Where:** via the Zoom platform or by phone. To register and for details, search "Séance ozonation" on montreal.ca.
- The presentation will be followed by a question-and-answer period.

During the session, City teams will present the ozonation unit construction project, and discuss its timeline, and describe how the construction work will impact the area.

Wastewater treatment during construction

The station's treatment capacity will be reduced during two six-month periods: between November 2022 and April 2023, and between November 2023 and April 2024. On sunny days, the station will process wastewater normally. However, runoff will be inevitable during heavy rains or when snow melts. This water would mainly be composed of rainwater, mixed with a portion of wastewater.

The period chosen for completing these operations reduces the effects on aquatic fauna and flora since it is, for the most part, outside the sensitive period of biological activities such as reproduction. The same is true for human activities, which shouldn't be affected because work is being done at a time when usage of watercourses is very limited.

Want to contribute to the success of this project?

Please reduce your water usage during the construction period (by showering instead of bathing or by flushing the toilet less often, for example).

And remember: Only flush toilet paper!

Technology to the rescue

The water treatment station has an integrated control system for prioritizing runoff sites. When runoffs do occur, they will be directed to areas of the river that are the least likely to affect human and aquatic health.

Odour control and tree relocation

The work site will remove the odour treatment system's components (biofilters) this year. In order to counteract any undesirable odours that may be noticeable in the station's vicinity during operation, the city is currently evaluating the possibility of installing temporary biofilters.

Every year, approximately 100 trees are added to the station site through its annual planting program. Trees in the work zone will be relocated on the property. Only a few mature trees will need to be cut.

To learn more about this work site

Visit montreal.ca and type "Désinfection à l'ozone" in the search engine.

DID YOU KNOW?

- The Jean-R.-Marcotte treatment station is the third largest in the world. It treats 45% of Québec's wastewater, which represents an average of 2.3 cubic metres per day. That's more than one full Olympic stadium per day!
- Prior to 1984, wastewater was discharged into watercourses and lakes surrounding the island. Fortunately, the Ville de Montréal has remedied the situation by building a water treatment station.

Information :

 514 872-3777

 montreal.ca

 info-travaux@montreal.ca