



## PIERREFONDS LANDFILL SITE (Former Meloche quarry)

# SITE CLOSURE FALL 2020

The former Meloche quarry has been in operation since 1999 and Matrec became the owner in 2016. Upon acquisition by Matrec, an action plan was developed to accelerate site closure and complete facility upgrades to address the odor problems.

The implementation of the action plan required the authorization of the Ministère de l'Environnement et de la Lutte contre les changements climatiques du Québec (MELCC). Authorizations were issued to Matrec at the end of June 2019 and the first stage of the closure works began in August 2019.

### LAST STAGE OF CLOSURE WORKS

After the winter shutdown, work to close the site has resumed since April and should be completed in the Fall of 2020. As of May 1, 2020, approximately 40% of the site has already been covered with an impermeable membrane, preventing water from entering the mass of construction and demolition waste and biogas from escaping. Once completed, this work will:

- **Increase by 400% the capacity of the biogas collection system**
- **Destroy the biogas responsible for the odors around the site**
- **Seal the site with a impermeable membrane and different layers of cover materials**

### PHASE I – WESTERN SECTION

- Excavation of a stormwater retention catch basin – **Completed**
- Drilling and installation of 15 new vertical biogas wells – **Completed**
- Installation of a impermeable membrane to cover the western section of the site – **Completed**
- Placement of a new cap that has different layers of cover materials – **Work in progress**
- Installation of collectors and piping connecting the new biogas wells to the new flare – **Work to be completed in June**
- Installation and start-up of a new flare to destroy the biogas collected by the new wells installed in the western section – **Completed**

### PHASE 2 – EASTERN SECTION – APRIL TO FALL 2020

- Grading and leveling of the construction and demolition waste to its final profile – **Work in progress**
- Completion of the perimeter ditch construction to redirect water to the retention catch basin – **Work in progress**
- Drilling and installation of more than 20 new vertical biogas wells – **Work will take place from mid-May to late June**
- Installation of an impermeable membrane to cover the eastern section of the site – **Work will take place from June to August**
- Installation of collectors and piping connecting the biogas wells in the eastern section to the new flare. When this step is completed, all wells will be connected to the new flare that will ensure the destruction of collected biogas.
- Placing different layers of cover material
- Seeding of the entire site

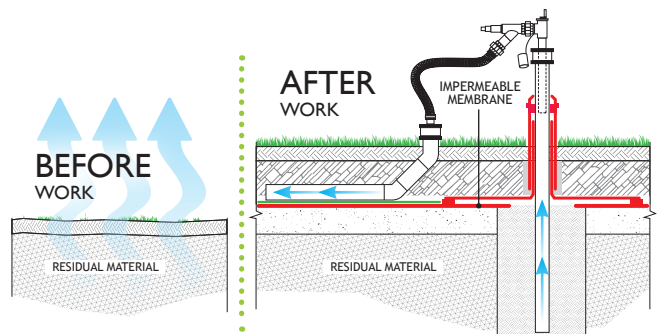
- **Final closure of site – Fall 2020**



### ODORS: UNTIL WORK IS COMPLETED...

Once completed, the closure work undertaken by Matrec last fall will significantly reduce odors in the vicinity of the site (former Meloche quarry).

However, there is still a lot of work to do before we get there and most of all, we have to deal with "the legacy" and the current reality of the site. For example, some sections of the site currently lack any collection equipment for biogas which escapes the site without being collected or directed towards the new flare, thus causing odors in the neighborhood. Therefore, as long as all the improvement measures and equipment planned by Matrec are not in place, the site will continue to generate, at various times, odors in the area.



Also, the work planned over the next few months could have an impact on odors from time to time. The installation of new equipment will require work in the landfilled construction waste which could cause temporary issues before we can see a significant improvement. Unfortunately, those steps are essential to achieve our final goal and close the site. Rest assured that Matrec will do everything in its power to carry out this work as quickly as possible while minimizing the impact on the neighborhood.

Finally, other factors beyond our control, such as weather conditions (winds, barometer pressure, etc.) can also influence the intensity and frequency of odor episodes in the area. Matrec will take these factors into account as much as possible in carrying out the work.

All this work in the coming months will have a major positive impact on odors in the neighborhood. However, until completion, odors will continue to be a sensitive issue to which Matrec will pay close attention.

### Stay informed about the works and their progress

Matrec regularly publishes its work schedule and a progress report on its website. In addition, when the general conditions of the site or the work in progress may at times impact the neighborhood, Matrec will quickly publish a situation report and information as to the measures that will be taken.

Also, you will find phone numbers to contact if you have questions and concerns.

**You are therefore invited to visit regularly the website <http://gflenv.com/pierrefonds> to stay informed on the progress of the work.**