

CASE STUDY

Renovating a municipal septic system

ECOFLO[®]

Sustainable septic solution



QUICK FACTS

Application

Municipality

Needs

- preserve local environment
- high treatment capacity
- minimal final footprint

Solution

Ecoflo compact biofilter clusters

SITUATION

Saint-Joseph-de-Kamouraska, a municipality in Quebec's Bas-Saint-Laurent region, is 20 km east of the town of Riviere-du-Loup. In 2001, their failing septic infrastructure caused wastewater to leak and contaminate well water.

The municipality had limited space for new septic installations. The lack of an existing collection system made connecting to Riviere-du-Loup's sewer system prohibitively expensive, and they had to protect their water sources from further contamination.

To overcome these challenges, Saint-Joseph-de-Kamouraska needed a solution that was compact, decentralized, and that would preserve their local environment. The solution would also need to have the capacity to treat wastewater from 80 homes and account for the sloped terrain they were built on.

SOLUTION

Premier Tech collaborated with a consulting firm to propose the Ecoflo compact biofilter as the heart of the municipality's new septic system.

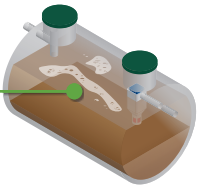
The Ecoflo compact biofilter is a modular solution that can adapt to any site. Its filter is also renewable, guaranteeing continued performance.

Ecoflo compact biofilter units can be installed in clusters to handle increased hydraulic loads. Units can be added to accommodate future increases.

Solutions for any site

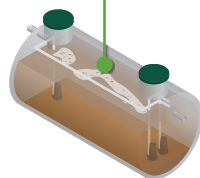
Septic tank

Gravity separates liquids from solids and scum. An effluent filter keeps particles from entering downstream components.



Equalization tank

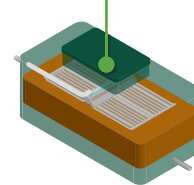
Prevents overload from daily peak-use periods by sending measured doses of wastewater to the advanced secondary treatment system.



ECOFLO

Compact biofilter clusters

Treats wastewater as it percolates through the natural, renewable, and compostable filtering medium.



"The use of biofiltration to treat wastewater makes Saint-Joseph a model municipality."

Sylvain Roy
Mayor of Saint-Joseph-de-Kamouraska (2001)



CONTACT US

Ask our experts about this and other wastewater treatment solutions available from Premier Tech. Whether your project is big or small, we have technologies to make a difference.



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