

CASE STUDY

An Olympic-worthy septic installation

ECOFLO[®]
Sustainable septic solution



QUICK FACTS

Application

Resort

Treatment requirements

- BOD₅ < 15 mg/L
- TSS < 15 mg/L
- Fecal coliforms < 50 000 CFU/100 mL

Needs

- eco-friendly system
- noiseless and odourless
- minimal final footprint

Solution

Ecoflo compact biofilter clusters

SITUATION

Brew Creek Centre is a destination for group retreats and family gatherings near Whistler, British Columbia. Its wastewater is treated by a decentralized septic system, which disperses effluent in two locations.

In 2010, Brew Creek Centre underwent an expansion to house athletes for the Winter Olympics. A septic system upgrade was needed to treat the expected increase in wastewater generated by up to 70 guests.

The upgraded system would need to handle variable wastewater flows and be economical, discreet, noiseless, and odourless. It also had to work without electricity due to the possibility of frequent power outages.

Brew Creek Centre is built on a flood plain, making high groundwater an additional constraint for installation.

SOLUTION

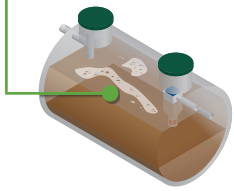
The designer chose the Ecoflo compact biofilter for the project's needs. As the industry's most sustainable septic system it is noiseless and odourless, it needs no power for treatment, and it makes use of existing dispersal fields.

Compact biofilter clusters were installed in three locations to minimize piping. Concrete tanks allowed for discreet in-ground installations despite high groundwater.

No trees were cleared during installation.

Primary clarifier

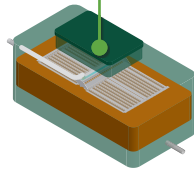
Separates liquids from solids and scum. An effluent filter keeps particles from entering downstream components.



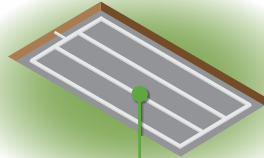
ECOFLO

Compact biofilter clusters

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



100% energy-free treatment



Infiltration bed

Receives effluent for final treatment and safe dispersal into the environment.

"The Ecoflo compact biofilter offers a significant carbon footprint reduction compared to other technologies. The BNQ rating, number of installations, and multi-decade performance record impressed us."

Bert Telder
Project engineer

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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