

Lakeside or riverside property Ecoflo[®], our commitment to protect lakes and watercourses

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Given the extent of the cyanobacteria problem that has been plaguing our lakes and watercourses since the early 2000's, Premier Tech Environnement's team of experts has decided to announce the results* of two independent studies¹ that illustrate the stability of the Ecoflo[®] under all types of conditions and confirm that the Ecoflo[®] technology is the best solution for the long-term protection of lakes, watercourses and groundwater, as well as the preservation of property values.

The septic installation that retains 98% of phosphorus

A study conducted in Virginia confirms that an Ecoflo[®] septic installation that meets regulations can retain up to 98% of the phosphorus contained in domestic wastewater.

These results can be attributed to the physicochemical characteristics of the soil combined with the hydraulic and chemical properties of the effluent from the Ecoflo[®]. By retaining most pollutants (including suspended solids) the patented filtering media of the Ecoflo[®] Biofilter minimize the risk of soil saturation and favor long-term phosphorus retention.

* A summarized version of the studies is available upon request.

¹ Rubin R.A. (2007). Field performance assessment of Premier Tech Ecoflo[®] wastewater treatment system in Virginia. Preliminary project report, 25 p. VEOLIA EAU (2006). Comparative Study on the Performance of Eight Treatment Systems.

Ecoflo[®], the number one choice for more than 40,000 families

Nowadays, water consumption is intermittent (overloads, stop/start periods) not only in secondary or seasonal dwellings (e.g., cottages) but increasingly in main homes as well. Therefore, it is important to use a proven and stable treatment technology that ensures proper system functioning and environmental protection.

During the past two decades, family lifestyles have changed a great deal. People travel more, eat out more often, and in many families both parents work outside the home. An increase in divorce rate has also affected house occupancy. The house occupancy of a blended family may vary from week to week because of factors such as joint custody.

The only technology to have proven it to date!

In an effort to submit wastewater treatment technologies to testing that represents today's lifestyles and constraints better, in 2006 a group of European experts developed a new testing protocol to compare and evaluate eight different treatment technologies for 40 weeks. Performance results, which were rigorously measured, show that the **Ecoflo® ranks first among the eight technologies evaluated.**

- The performance of the Ecoflo®, when submitted to the new constraints imposed by the changes in family lifestyles, is much better and more stable than that of an Aerobic Treatment Unit (ATU) with submerged fixed film media.
- In fact, it takes 12 weeks to stabilize an ATU with submerged fixed film media.
- Overloads (high-use periods) and **power failures** cause increases in the concentrations of suspended solids in the effluent and have a negative impact on the performance of an ATU with submerged fixed film media. Every decrease in performance saturates the absorption bed, thus reducing its service life and its ability to retain pollutants like phosphorus.

