

## Press release

### **Ecoflo® Biofilter Ranks Number 1 Premier Tech Environnement Dominates European Comparative Testing**

Québec, Canada, October 28, 2009 – In line with its mission of becoming a technological and commercial leader in its field, and following the *6e Assises nationales de l'Assainissement Non Collectif* (onsite & decentralized wastewater treatment annual conference) held last week in Evreux, France, Premier Tech Environnement (PTE) is pleased to announce that the performance and reliability of its Ecoflo® Biofilter outranks the twenty (20) most installed onsite wastewater treatment technologies in France and Germany.

Results obtained from two different testing platforms located at Nantes (France) and Leipzig (Germany) over a period of 3 (three) years of comparative study, confirm not only the performance of the Ecoflo® compact filter, but the reliability that is much needed in onsite wastewater treatment. Indeed, Ecoflo® was the only technology to show for constant performance despite high variable testing conditions (peak flows) including a 3-week hiatus to demonstrate the notion of intermittent usage.

"The results presented by Veolia Water during the Evreux conference demonstrate the high stability of the Ecoflo® performance over a testing period of 3 years with peak flow up to 240% of the design flow. In all conditions, the results from the two testing platforms were similar, and a flow interruption over a period of 3 weeks had no impact on the Ecoflo® performance at the restart. This high level of performance and reliability is enabled thanks to our patented absorbent based media. It retains water and biological conditions during long periods of non usage which ensure performance immediately after restart. Our unique media provides a "sponge effect" which is essential in guaranteeing same performance in the field as those identified on testing platforms", said Roger Lacasse, Scientific and Technical Director, PTE.

As reported countless times in literature, socio-cultural changes have an important impact on today's family lifestyles. In most families, both parents work outside and people eat out more often and travel more. The growing divorce rate observed over the last 20 years had an impact on family model and home occupancy – parents are separating and reorganizing their household (shared custody, extended family).

Consequently, the traditional activities producing domestic wastewater in a household have drastically changed over the last thirty (30) years, generating more variable conditions and intermittent wastewater production on daily, weekly and monthly basis. As such, the treatment of the wastewater produced by these homes is strongly influenced by the lifestyle of their occupants, and onsite wastewater treatment systems have to be adapted to answer these conditions.

"The lifestyle changes observed over the last 20 to 30 years have a major impact on the wastewater flow conditions at single dwelling. In more than 70% of the families both parents are working outside and the wastewater production

is concentrated early in the morning and in the evening. For blended families, the home occupancy varies from week to week due to share custody arrangements. Nowadays, intermittent (stop/start) and peak flows can be observed not only in secondary or seasonal dwellings, but increasingly in main residences”, said Henri Ouellet, President, PTE.

The extended testing in France and Germany conclude that, among the 3 most known types of onsite and decentralized wastewater treatment technologies (filters, attached growth ATU and suspended growth ATU), the compact absorbent filter is the most advanced and adapted technology in answer to today’s household lifestyle – only Ecoflo® can maintain BOD<sub>5</sub> and TSS concentrations in treated effluent below 10 mg/L in all conditions, even when facing intermittent usage period as found in secondary homes and more and more common in permanent homes.

### All about PTE

Over the past 20 years, PTE has applied its technological and commercial expertise in the field of Onsite & Decentralized Wastewater Treatment for the residential, commercial, community and industrial sectors. With more than 40,000 systems installed, each including a rigorous and documented inspection, maintenance and follow-up program provided by its network of service partners, PTE has become a leader in its industry. With offices in North America, Europe and Asia, Premier Tech Environnement is proud of the proven and recognized quality, performance and reliability of its solutions.

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