



## Media Release

For Immediate Release  
January 07

### **Photo-Cat Groundwater Remediation System Surpasses 50,000 Hours of Fully Compliant Operation**

**London, Ontario, Canada** – On January 12<sup>th</sup>, Purifics' oldest operating Photo-Cat water purification system surpassed 50,000 hours of run time at over 70% duty in a regulated application. This significant milestone further establishes Photo-Cat as a mature, reliable, and successful water purification technology.

Installed in 1998 on the site of a long-time manufacturing facility, this Photo-Cat has been entrusted to protect the community's municipal water supply from becoming contaminated with chlorinated organics historically deposited in the area. For eight years Photo-Cat has been assuring regulators, eliminating risk, and providing peace-of-mind. With over  $2.1 \times 10^5$  m<sup>3</sup> (55 million gallons) of water processed, approximately 630kg of TCE and other organic contaminants have been destroyed; Photo-Cat purifies the water to higher standards than drinking water. Over its history, this Photo-Cat installation has had sustained surface water discharge, full regulatory compliance, 24,000 hour lamp service interval, reliable operation when faced with dirty power and other challenges, and facilitated a management buyout. As Photo-Cat exceeds 50,000 hours of run time it continues to impress with its outstanding performance history.

The Photo-Cat is controlling the well pumps and pump ratios to mitigate the impact of a punctured aquifer. In doing so, it is processing light and dense non-aqueous phase liquids (NAPL). This versatile Photo-Cat is also capable of identifying and logging changes in the groundwater and the plume.

Photo-Cat is a unique photocatalytic process that treats waterborne contaminants, including 1,4-dioxane, cryptosporidium, and landfill leachate. The Photo-Cat process is automated with remote control and data logging capabilities. Expert systems automation significantly reduces the need for system maintenance and operator control. Photo-Cat is the sustainable development technology of choice as it **eliminates** risk, consumables, labour, chemicals, cost, and the legacy of generated waste.

Purifics is a technology leader in the purification, conditioning, and control of water. Our strength is in solving problems and simplifying solutions through innovative engineering to achieve environmental and economic benefits.

For additional information contact Brian Butters, P.Eng, MBA at (519) 473-5788 or [info@purifics.com](mailto:info@purifics.com).

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A graphic of a globe with the text "WORLDWIDE SUPPORT" overlaid in blue capital letters.

WORLDWIDE SUPPORT

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