

For Immediate Release
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Contract Awarded for Heavy Water (D₂O) Purification System

London, Ontario – Purifics ES Inc. has been awarded a contract to supply New Brunswick Power Corporation's Point Lepreau Nuclear Generation Facility with a Photo-Cat system to purify heavy water.

"New Brunswick Power is a unique client as they purchased the very first Photo-Cat system in 1994 and have now placed a repeat order for our latest (4th) generation of equipment" says Brian Butters, President of Purifics. The first system recovered approximately \$1million of heavy water and proved its economic benefit. The new Photo-Cat uses ambient air as the oxidant, which eliminates the need and hazards of Hydrogen Peroxide. The final result will be high purity water with 1ppm TOC.

The Photo-Cat system is built to the demanding engineering requirements of this industry. The client solution encompasses a closed-loop design, with a 17,000 hour period between service requirements. It is completely automated, electrically driven and chemical free. The process does not generate waste.

Photo-Cat technology uses UV light to activate a TiO₂ photo-catalyst that is completely retained within the system. The benefits of Photo-Cat are that it reduces UV cost and service requirements, eliminates quartz tubes fouling and the dependence on complicated wiper mechanisms, among other benefits.

Purifics is a technology leader in air and water treatment, process design and control systems. Our strength is in solving problems and simplifying solutions through innovative engineering to achieve environmental and economic benefits.

For additional information contact us at our coordinates listed below.

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