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## Severn Trent Services Provides Reverse Osmosis/Electrodeionization System for Sharp Electronics Manufacturing Plant

FORT WASHINGTON, Pa. – October 31, 2007 – Severn Trent Services has provided a reverse osmosis/electrodeionization (RO/EDI) system for a Sharp Electronics flat screen plasma TV manufacturing plant in Baja, Calif. The system was commissioned in June 2007 and is being used to purify manufacturing process wastewater at a rate of 77 gallons per minute.

The RO/EDI system includes a [UAT™ reverse osmosis membrane filtration system](#); an EDI module; and multi-media, granular activated carbon and water softener for pre-treatment filtration. The pre-treatment filtration system is used to effectively remove sediment, chlorine, chloramines, calcium and magnesium and reduce turbidity.

RO/EDI systems combine multiple technologies to consistently produce very high water quality. The first step is reverse osmosis, which involves passing water across an ultra-thin membrane at high pressure. Reverse osmosis can effectively remove more than 97% of all feedwater contaminants, including ionic, organic and particulate contamination.

The second stage is electrodeionization, which utilizes a spiral wound membrane and ion exchange resins. The EDI technology polishes reverse osmosis permeate and removes charged contaminants – mostly ions – generating pure or ultra-pure water. The process is chemical free, eliminating the need to store and handle chemicals typically used for resin generation, such as sulfuric acid, hydrochloric acid and sodium hydroxide.

### About Severn Trent Services

Severn Trent Services ([www.severntrentservices.com](http://www.severntrentservices.com)), with global headquarters in Fort Washington, Pa., USA, is a leading supplier of water and wastewater solutions. The company's broad range of products and services is concentrated around disinfection, instrumentation and filtration technologies, contract operating services and state-of-the-art residential metering products and services. Our analytical services group is the United Kingdom's leading environmental testing organization, and our international operating services business provides worldwide contract operation and support for all aspects of water and wastewater utility operational development and business transformation. Severn Trent Services is a member of the Severn Trent Plc (London: SVT.L) group of companies. Severn Trent is a FTSE 100 company.

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**UAT™ Reverse Osmosis/Electrodeionization (RO/EDI) System**

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