

For Immediate Release

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## Severn Trent De Nora Receives U.S. Patent for its System and Method for Ballast Water Treatment

FORT WASHINGTON, Pa. – October 29, 2007 – [Severn Trent De Nora, LLC](#), a leading global provider of water disinfection treatment solutions for industrial, offshore and marine markets, has received U.S. Patent Number 7,244,348 for its system and method for ballast water treatment within an ocean-going vessel by generating powerful biocides for the ballast water disinfectant. The [BalPure®](#) system is utilized during ballasting operations to disinfect incoming seawater and during de-ballasting operations to neutralize residual oxidant in discharged seawater.

The BalPure ballast water treatment system generates biocides; analyzes and meters the residual level of both biocides and neutralizing agents prior to discharge or de-ballast operations; and logs the performance of the overall ballast water treatment system for presentation to authorities. With international, national, state and local environmental agencies worldwide taking action to regulate the discharge of ballast water arriving in ships coming from overseas ports, the BalPure system has proven to be effective and economical in high- and low-capacity systems to treat ballast water with no adverse effects on the environment. The BalPure system is installed with minimal invasiveness into existing vessel pumping and piping systems, making it very compatible with existing vessel configurations. Third-party testing of the BalPure system has confirmed effluent quality that meets proposed International Maritime Organization ballast water standards.

The introduction of aquatic nuisance species into coastal marine and estuarine waters comes from a variety of sources. However, because of the large volumes and frequency of use, ballast water is currently the most frequently cited method for the worldwide transference of non-indigenous organisms. International agencies such as the International Maritime Organization, United States Coast Guard and U.S. federal and state governments are combating the problem by mandating ballast water exchange in the open ocean or utilizing ballast water treatment systems.

### About Severn Trent De Nora, LLC

Severn Trent De Nora, LLC ([www.severntrentdenora.com](http://www.severntrentdenora.com)) is a joint venture offering a solid foundation to support marine and offshore industrial water disinfection needs by drawing upon the strength and global resources of Severn Trent Services, Fort Washington, Pa. ([www.severntrentservices.com](http://www.severntrentservices.com)) and Gruppo De Nora, Milan, Italy ([www.denora.it](http://www.denora.it)). Severn Trent De Nora offers the benefits of enhanced technical solutions and a greater range of services by combining the seawater disinfection capabilities of both companies. Severn Trent De Nora offers products to serve marine waste water treatment applications, ballast water treatment applications and the seawater disinfection needs for the following applications: power generation, desalination facilities, coastal industry, offshore oil and gas facilities, general marine, cruise vessel industry and navies worldwide.

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