

## For Immediate Release

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## Severn Trent De Nora's BALPURE® Ballast Water Treatment System Successfully Completes Shipboard Testing

*Non-indigenous species were no match for the BALPURE electrolytic disinfection ballast water treatment system.*

### FORT WASHINGTON, Pa. – 4 April 2011

The [BALPURE® ballast water treatment system](#) from Severn Trent De Nora successfully completed shipboard testing in December 2010, effectively neutralizing non-indigenous species. The BALPURE system surpasses requirements for IMO G8 Type Approval and IMO Ballast Water Convention D-2 Standards. Type approval of the BALPURE system is anticipated in the first half of 2011.

Shipboard testing of the BALPURE system was undertaken on the California Maritime Academy training ship, the 500-foot *T.S. Golden Bear*, from May to December 2010. Installation engineering of the BALPURE system was performed by The Glosten Associates. Testing of the BALPURE system was performed during the *T.S. Golden Bear* training voyages in the Pacific. The ship voyaged from San Francisco to Busan, Korea; Busan to Kobe, Japan; Kobe to Guam; Guam to Saipan; and Saipan to Honolulu, Hawaii. Biology tests were conducted at Busan, Kobe and the Apra, Guam ports.

Data samples compiled and tested over the course of the shipboard trial verified the efficacy of the BALPURE system to meet the most stringent ballast water treatment discharge standards. In several cases, the BALPURE system greatly exceeded the regulatory standards for living organism standards outlined by IMO D-2. The BALPURE system also operated without failure during the seven-month observation period under routine shipboard operating conditions.

As the market leader in the design and manufacture of electrolytic seawater disinfection systems, Severn Trent De Nora has applied its 35-plus years of marine equipment experience to the treatment of ballast water with the BALPURE system.

BALPURE is a simple, reliable and flexible electrolytic disinfection treatment solution to meet the most stringent ballast water discharge requirements. Using a "slipstream" approach, the BALPURE system can be remotely mounted away from the ballast lines and split into small sub-assemblies to minimize the need to relocate other equipment and for additional engineering/ship re-designs. With power requirements less than half of some competitive systems, low maintenance requirements and simple operation, BALPURE is a proven and economical solution for ballast water treatment.



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### **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 wastewater 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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