

For Immediate Release

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Severn Trent De Nora Introduces BalPure™ Ballast Water Treatment System

With growing concern over the discharge of ballast water arriving in ships from overseas ports, the BalPure™ system has proven an effective, economical device to treat ballast water with no adverse effects on the environment.

SUGAR LAND, Texas – December 6, 2005 – Severn Trent De Nora has introduced the BalPure™ ballast water treatment system. The patent-pending system generates biocides, meters and analyzes the residual level of both biocides and neutralizing agents and logs the performance of the overall ballast water treatment system. 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 an effective, economical and high-capacity device to treat this water with no adverse effects on the environment. Third party testing of the BalPure™ system has confirmed effluent quality that meets proposed International Maritime Organization ballast water standards.

Through the oxidation of the halide ions in seawater, the proprietary BalPure™ electrolyzer generates oxidants that are injected into the ballast stream where they react with both inorganic and organic matter, as well as bacteria, to provide effective disinfection. As the harmful organisms are inactivated or destroyed, the oxidant concentration in the ballast water is reduced. The BalPure™ system then introduces a neutralizing agent to the ballast water, where it reacts with residual oxidant, rendering the water safe to discharge into waterways. Laboratories conducting EPA-certified Whole Effluent Toxicity bioassays have confirmed that the low concentration of neutralizing agent used in the BalPure™ process is not harmful to fish, bacteria or the ecosystem as a whole.

The BalPure™ system's online analyzers monitor and record both the oxidation and neutralization processes. Regulating authorities can verify the treatment process has been conducted by logging residual oxidant levels in the ballast water. The generation of biocides, the injection operation and the neutralization step are all recorded in a data logger and can easily be downloaded by port authorities to confirm that a successful ballast water treatment has been completed and residual biocides have been destroyed prior to discharge of the ballast water.

About Severn Trent De Nora, LLC.

Severn Trent De Nora, LLC. (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) and Gruppo De Nora, Milan, Italy (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 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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