

For Immediate Release

CONTACT:

Eric Risch

+1 215 997 4058

erisch@severntrentservices.com

Joyce Teng

+65 6737 9565 ext 115

jteng@severntrentdenora.com.sg



a part of Severn Trent Services

Severn Trent De Nora
1110 Industrial Boulevard
Sugar Land, TX 77478
United States

T: +1 281 240 6770

F: +1 281 240 6762

www.severntrentdenora.com

Severn Trent De Nora Secures First Orders in Japan for its BALPURE® Ballast Water Treatment System

The BALPURE system, which received Type Approval in July, has been selected for use on two bulk carriers being constructed by Sasaki Shipbuilding for Toko Kaiun Kaisha.

FORT WASHINGTON, Pa. – 5 October 2011 – The Type-Approved [BALPURE® ballast water treatment system](#) from Severn Trent De Nora was selected for use on two new bulk carriers being constructed for Toko Kaiun Kaisha, Ltd. by [Sasaki Shipbuilding](#) at its shipyard in Osaki Kamishima, Japan. The two bulk carriers are the first new Japanese vessels to install the BALPURE system, which received Type Approval to International Maritime Organization (IMO) regulations for ballast water in July.

Sasaki Shipbuilding purchased two skid-mounted BALPURE BP-500 systems for each of the 12,000 dwt bulk carriers. Each BALPURE system is capable of treating ballast water flow rates of up to 500m³/h. Installation has been completed on one of the two vessels which will be delivered to the operator Daiichi Chuo Kisen Kaisha on 7 October 2011.

The BALPURE system utilizes electrolytic disinfection technology and was chosen by Sasaki for its low power and maintenance requirements and simple operation. The system surpasses IMO D-2 standards with no adverse effects on the environment or the vessel's ballast tanks.

BALPURE's slip stream treatment approach, in which one percent of the total ballast water flow is used to generate the hypochlorite disinfection solution, enables remote mounting away from the main ballast line. BALPURE can be installed in the engine room or in auxiliary machinery spaces classified as safe areas. As a result, precious space in the pump room is not taken up and the expensive relocation of equipment is not required. The slip stream treatment approach also allows for normal efficiency in low-salinity and low-temperature water quality environments.

According to Marwan Nesicolaci, vice president of international sales and business development for Severn Trent De Nora, "This order with Sasaki Shipbuilding is a direct result of our recent distribution agreement with Taiko Kikai Industries Co., Ltd., and Nisso Shoji Co., Ltd., to promote the BALPURE line of products in the Japanese market. While the BALPURE system accommodates a wide range of ballast water treatment flow rates, the system is especially advantageous and economical for crude oil tankers, chemical / product tankers, LNG / LPG carriers, bulk carriers and container ships. The system's slip stream treatment approach, flexible footprint and ability to scale up to meet increased flow



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rate capacities make BALPURE the ideal ballast water treatment solution in the market for new vessels.”

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 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.

For information on Sasaki Shipbuilding, please visit www.sasakizosen.com.

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