

## For Immediate Release

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## Severn Trent De Nora Provides Electrolytic Disinfection Treatment Solutions for China's First Deep Sea Gas Field

*Two proven disinfection technologies, SEACLOR® and OMNIPURE™ Series 55, will provide biofouling control and wastewater treatment for China Offshore Oil Engineering Corporation project.*

**FORT WASHINGTON, Pa. – 27 December 2011** – Severn Trent De Nora has received a contract to provide its electrolytic disinfection treatment solutions for biofouling control and wastewater treatment to the China Offshore Oil Engineering Corporation for its Liwan 3-1 deep sea gas field project in the South China Sea. The Liwan 3-1 gas field is the first deep sea gas field in China and will begin production in 2013.

Severn Trent De Nora will be supplying the [SEACLOR®](#) 23 kg/hr seawater electrochlorination system and the [OMNIPURE™ Series 55 sewage treatment system](#), which is capable of treating up to 38,153 liters/day. Process water used on the rig requires disinfection treatment to alleviate biofouling concerns. In addition, a sewage treatment system is required to safely and effectively treat the black and gray water produced onboard.

The SEACLOR system utilizes a proven electrolytic treatment process to generate a sodium hypochlorite disinfectant solution on site using only electricity and seawater. When injected into the cooling water circuits of deep sea gas production facilities, the on-site-generated solution prevents biofouling and marine growth in order to protect the equipment.

OMNIPURE Series 55 sewage treatment systems are the only marine sewage treatment systems that oxidize sewage in an electrochemical cell as well as generate sodium hypochlorite for the disinfection of the sewage streams. The OMNIPURE Series 55 systems offer effective electrolytic treatment of both black and gray water while providing a safe and sanitary method of handling solids. The systems have received Bureau Veritas certification for IMO Resolution MEPC.159(55) and USCG Certificate of Approval to MEPC.159(55).

### 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



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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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