

CONTACT:
Eric Risch
+1 215-997-4058
erisch@severntrentservices.com

Severn Trent Services Provides Fixed-Film Biological Denitrification Process for Wastewater Treatment Facility in China

The TETRA® Denite® system removes nitrate-nitrogen and total suspended solids in a single treatment step.

FORT WASHINGTON, Pa. – July XX, 2009 – Beijing BCEG Golden State Sources Environment Protection Development Co., Ltd., a provider of specialized services to customers in China's solid waste, water and wastewater treatment industries, has selected the [TETRA® Denite® System](#) from Severn Trent Services for use at Phase III of the Huishan Wastewater Treatment Co., Ltd. project in the Huishan district of Wuxi City, China. Huishan Wastewater Treatment Co., Ltd. approved the use of the TETRA Denite system to remove nitrate-nitrogen (NO₃-N) and total suspended solids (TSS) at the wastewater plant, meeting stringent Class IA effluent discharge standards enacted by the China Central Government. Construction of the 25,000 m³/day plant is scheduled for completion in November 2009.

The TETRA Denite system removes NO₃-N and TSS in a single treatment step. Denite is a fixed-film biological denitrification process that also serves as a [deep bed filtration system](#) capable of removing suspended solids to virtually any final effluent requirement. At the Huishan Wastewater Treatment Plant, the Denite system will integrate with other plant treatment processes to provide superior total nitrogen (TN) and phosphorus removal. Denite will be used as the final treatment step in the TN removal process to help the Huishan facility reduce TN influent from 20 mg/l to 15 mg/l and TSS from 40 mg/l to ≤10 mg/l.

According to Marwan Nesicolaci, vice president of international sales for Severn Trent Services, "From the standpoint of cost and technical efficiency, biological treatment has become a preferred wastewater treatment choice for many new treatment facilities in China. The TETRA Denite technology has been used successfully throughout the world, including other projects in China.

"Severn Trent Services has been operating in China's water and wastewater market since 2002," Nesicolaci said, "and our array of innovative solutions is well suited to help address the country's fast-growing environmental management needs, including meeting the stringent Class IA effluent requirements. With our strong and growing local presence we will be able to manage and successfully execute the projects in China."

About Severn Trent Services

Severn Trent Services (www.severntrentservices.com), with global headquarters in Fort Washington, Pa., USA, is a leading supplier of water and wastewater solutions. The company's broad range of products and services is concentrated around disinfection, instrumentation and filtration technologies, and contract operating services. Our analytical services group is the United Kingdom's leading environmental testing organization, and our international operating services business provides worldwide contract operation and support for all aspects of water and wastewater utility operational development and business transformation. Severn Trent Services is a member of the Severn Trent Plc (London: SVT.L) group of companies. Severn Trent is a FTSE 100 company.

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