



Press Release

27 April 2015

Bluewater Bio International

(“BwB” or the “Company”)

Bluewater Bio Secures Fourth HYBACS Order in South Africa, for £2.5m Tsakane Project

Bluewater Bio International, a leading provider of high-performance, cost-effective water and wastewater treatment technologies, is delighted to announce that it has secured its fourth order in South Africa for its efficient enhanced activated sludge process, HYBACS®. The project, valued at 44.4 million South African Rand (c. £2.5m) has been secured via BwB’s licensee partner in Sub Saharan Africa, Headstream Water. The project is for the extension of the Tsakane Sewage Treatment Plant (STP), located 25 miles southeast of Johannesburg.

Tsakane STP is one of 19 STPs owned and operated by East Rand Water Care Company (ERWAT), an award-winning and progressive wastewater utility, who serve more than 3.5 million people and some 2,000 industries near Johannesburg.

The original STP at Tsakane was designed to treat an average of 10,800 m³/day of wastewater however following rapid growth of the township, the STP became overloaded, thereby requiring the need to increase the capacity of the plant. The HYBACS upgrade has been designed to more than double the capacity of the existing plant, thereby servicing a 75,000 population equivalent (PE). The upgrade includes 12 of BwB’s SMART Units, the unique component of the HYBACS process. A major benefit of the HYBACS solution is that it avoids the need to build any additional structures, thus reducing the cost substantially and enabling the upgrade to be carried out swiftly and without affecting the operation of the existing treatment plant.

Tsakane represents BwB’s fourth order for HYBACS in South Africa in less than five years, and marks the Company’s largest contract award in the region to date. Combined with the 10 SMART units currently in operation at the Botleng, Swartruggens and Hartbeesfontein plants, this latest order will more than double the Company’s installed base to 22.

Fergus Rooksby, Commercial Director of Bluewater Bio, commented: “We are delighted to have secured our fourth order, via Headstream, for the Tsakane sewage treatment plant. The increasing use of HYBACS in South Africa is both a direct result of all the hard work done by our partners Headstream and an increasing realization by major water utilities such as ERWAT that simple and robust solutions to overloaded treatment plants are the way forward. In a market where the wastewater infrastructure is under increasing pressure due to ageing assets and overloading and where competition for capital is fierce, HYBACS continues to show that it is well suited to meet these needs. The high quality of treatment HYBACS delivers is sufficient to meet some of the most stringent discharge consents around the globe and its modularity makes it a powerful tool. Following the success of this significant scheme, I look forward to the continued roll out of HYBACS in South Africa and beyond.”

– ENDS –

For further information or to arrange a briefing, please contact:

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About Bluewater Bio

Bluewater Bio is an award winning global specialist in technologies for cost-effective water & wastewater treatment. Headquartered in London, Bluewater Bio's range of best in class technologies have been deployed at over 80 sites globally.

Next generation proprietary technologies

With several fully commercialised technologies proven at utility scale, complemented by an active New Product Development pipeline, Bluewater Bio's capabilities now include:

- HYBACS[®] (enhanced activated sludge process)
- FilterClear[™] (high throughput multi-media filtration)
- CFIC[™] (second-generation moving bed bioreactor)
- GHG-Tox[®] (nitrification and greenhouse gas monitoring)
- NeoTech[™] (highly efficient UV system)
- Operational & Maintenance services (supporting a population equivalent of c. 1 million)
- World Class R&D team, based at Cranfield University, UK

BwB's growing technology portfolio is focused primarily on the rapid upgrading, optimisation and monitoring of water and wastewater treatment plants.

The company has a particular emphasis on reducing:

- Capital, operational and compliance costs
- Energy & chemical consumption
- Physical & environmental footprint
- Greenhouse gas emissions
- Construction and commissioning times

Combining its R&D expertise with a highly entrepreneurial business approach, Bluewater Bio not only develops its own innovations but also scours adjacent markets for complementary IP, licence opportunities and partnerships.

Through this aggregation strategy, Bluewater Bio aims to be the natural choice for cost effective treatment, re-use and monitoring provision across the water, wastewater and process industries.

About The East Rand Water Care Company (ERWAT)

It was established in 1992 as a Section 21 company. Its shareholders are the Ekurhuleni Metropolitan Municipality (majority shareholder), Johannesburg Metropolitan Municipality and Lesedi Local Municipality.

ERWAT provides bulk wastewater conveyance and a highly technical and proficient wastewater treatment service to some 2 000 industries and more than 3.5 million people who have access to sanitation services. It is currently custodian of 19 wastewater care works, treating a combined capacity of some 696 megalitres of wastewater per day. The majority of the operations are in the Ekurhuleni Metropolitan Council (Eastern Gauteng).

Innovative in nature with extensive expertise and experience in a variety of proven processes, ERWAT offers advanced technologies, developed to meet the ever-growing demand for improved quality in the industry.

The strategic focus of the company is aimed at providing the right sized works in the best geographical location at the most economical cost, incorporating the finest and most appropriate available technology.

The company is rich in expertise and has been instrumental in developing methods to reduce costs whilst at the same time rendering excellent quality of effluent. With the increasing cost of managing wastewater, ERWAT's leading edge technology coupled with its economy of scale credo presents a cost-effective, environmentally sound water care solution. ERWAT continuously strives to improve the utilisation of the existing infrastructure and makes optimum use of all its resources.