



Press Release

18 January 2017

Bluewater Bio Limited
("BwB" or the "Company")

Bluewater Bio awarded Phosphorus Removal Contract by Severn Trent Water
FilterClear technology offers lowest TOTEX solution

Bluewater Bio Limited, a leading provider of treatment solutions to the water industry, is pleased to announce that Severn Trent Water ("Severn Trent"), through its key capital delivery partner Mott MacDonald Bentley ("MMB"), has selected the Company's high rate multi-media filtration technology, FilterClear, for the provision of a tertiary solids removal plant at Codsall STW, Staffordshire. BwB are providing a fully automated 4v2040 tertiary solids removal plant capable of treating up to 100 L/s of flow, to enable the site to meet the new consent of 0.5 mg/l for phosphorus, under the Water Framework Directive.

After an extensive evaluation of competing technologies, it was concluded that FilterClear offered the lowest TOTEX solution. By using FilterClear MMB were able to realise significant cost savings as a result of utilising the vessel headspace for flocculation, thereby eliminating the need to provide additional upstream flocculation with mechanical mixing. Additionally, the relatively low head loss offered operational cost savings against higher head systems. The low operator intervention needs of a sealed filtration system further augmented the solution's attractiveness for the Severn Trent Operations team.

FilterClear is both a modular and scalable process, treating flows ranging from 2 L/s to in excess of 1,000 L/s.

Fergus Rooksby, Commercial Director of Bluewater Bio, commented: "We are delighted to work with both Severn Trent and MMB on this P removal scheme. This award allows us to showcase FilterClear as an ideal option for a chemical dosing approach to low phosphate concentration consents. We are seeing increasingly stringent discharge consents coming into force across the UK in AMP 6, with many water companies needing to implement enhanced P removal across

numerous sites. Its modularity and excellent DfMA credentials make it an attractive solution to both tier one and end users. We believe FilterClear is well placed to capture a significant proportion of these schemes.”

The contract with Severn Trent marks the Company’s second P removal scheme in the past 12 months, with FilterClear currently being assessed by Yorkshire Water, as part of the National Chemical Investigation Programme (CIP), at Bolsover STW.

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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.