

# FilterClear®



A BLUEWATER BIO TECHNOLOGY

## Tertiary Solids & BOD Removal: Alford WRC, Anglian Water

### Background

Brookside Metals is a Wolverhampton based manufacturer of bronze castings and has had environmental issues with copper and zinc discharge consents from their surface water collection lagoon. The lagoon is designed to overflow and discharge into a storm water sewer and then into a local river.

Samples of the discharge water were taken from site and tested in the **FilterClear®** laboratory. The processed water was then sent away for independent testing and analysis.

### Solution

The results show a dramatic reduction in copper and zinc providing water quality well below the EA discharge consent. This led to a containerised pilot plant being installed at site by **FilterClear®** which was operated for two months.

Results demonstrate a consistency of performance that has brought the discharge water within consent. Once Brookside saw the results they took the decision to purchase a fully automated containerised **FilterClear®** system.

### Performance

Colloidal and particulate capture reducing all problem metals to within their EA standard.

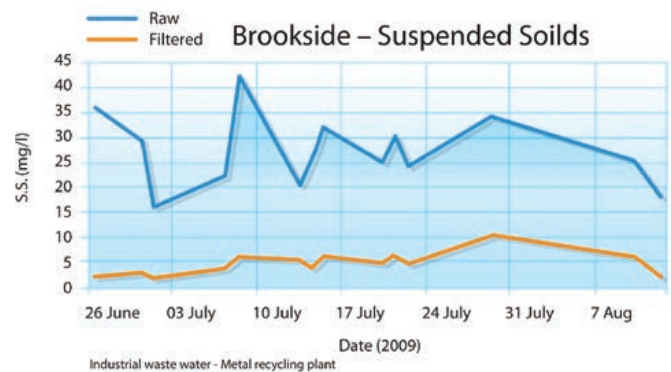
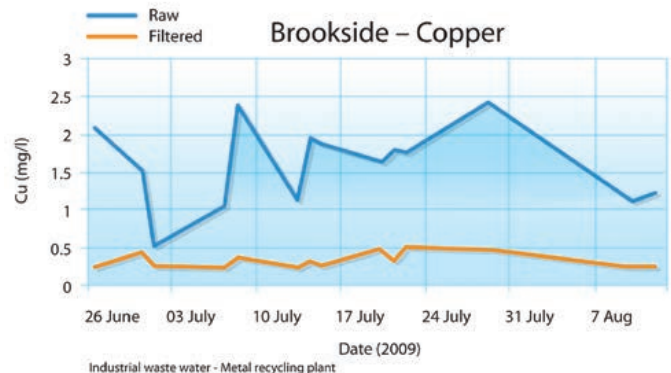
The site now has the option of using lagoon water for cooling bronze castings, which will dramatically reduce the site water bills and carbon footprint.

Brookside can now operate without the risk of heavy fines by the EA and has the added benefit of vastly reducing the environmental impact of their process.

### A Brookside Metals

#### Spokesperson commented:

*“A scientific solution to a very commercial problem; we were impressed with FilterClear®’s technical know-how and their practical approach to problem solving. FilterClear® has given us a complete process”*



## BLUEWATER BIO



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