



Case Study

Filter refurbishment program for Thames Water in Berkhamstead

Purpose of rental unit:

To provide additional nitrification to works whilst trickling filters were refurbished

Consent standard required:

3mg/l NH₄

Total flow to the unit: 21l/s @ 1 hours retention (50 minutes is minimum retention to achieve nitrification)

Unit supplied:

1 x Steel 1000pe wastewater treatment unit with duty standby blowers

Our 1000pe steel SAF unit was initially rented by Thames Water and later purchased, the unit was required to work alongside 2 other rental units, the ammonia consent was rather stringent at 3mg/l.

Throughout the rental period our NSAF achieved consistently reliable results, typically producing an effluent quality less than 2mg/l



The unit supplied for this application was constructed within an ISO container for ease of transportation, within the ISO container we housed both the control panel and the duty standby blower units, the obvious benefit here being that the unit does not require additional kiosks, interconnecting pipe work and cables as they are already hard wired within the unit.

Access ladders and hand railing were also supplied to ensure the unit was fully compliant with Thames Water specification.

For further information, please call us on 023 9224 2600 or e-mail enquiries@wpl.co.uk

About WPL Ltd

WPL Ltd provides innovative and reliable wastewater treatment, rainwater harvesting and grease management systems for domestic, commercial and industrial markets as well as holding a prominent position as a supplier to the water utilities. As an internationally recognised leader in the design, manufacture and supply of both standardised, and bespoke environmental solutions, WPL is dedicated to ensure the provision of high quality products and services.

Environmental Policy

WPL is ISO14001 accredited.

WPL rigorously fulfils its vision of protecting the environment by delivering reliable wastewater solutions. A strong focus on quality and compliance ensures that all wastewater treatment systems are designed to work within the guidelines of the British Water Code of Practice and exceed all present and proposed discharge consent standards enforced by the Environment Agency, SEPA and other European regulatory authorities.

0845 450 4822 | www.wpl.co.uk | enquiries@wpl.co.uk