

# BOLLFILTER AUTOMATIC PROTECTION

## for Nitrate Reduction Plant

Christ Kennicott has been at the forefront of ion exchange technology for over 100 years, manufacturing ion exchange systems that produce quality drinking and process water for installations worldwide.

Nitrate removal plants incorporate vessels with ion exchange resin to remove nitrates from raw water. It is vital that any particulates, such as sand or grit, in the water are removed to prevent damage to the sensitive resin beads and stop the risk of blockages.

Nitrates can seep into the water table through the use of agricultural fertilisers and Christ Kennicott Water Technology is supplying a series of nitrate removal systems to Severn Trent Water for un-manned borehole water treatment plants. The skid-mounted systems incorporate BOLLFILTERs to provide particulate removal (down to 50 microns). Each skid is fitted with a Self-Cleaning BOLLFILTER Automatic plus a standby manual filter linked to a remote alarm. The BOLLFILTER Automatic, which is set to backflush on a regular basis or if the system pressure drops, prevents potential blockages in the Christ Kennicott equipment.

Glyn Davies, Project Engineer with CKWT, explains the importance of the filtration system. *“With the drive towards unmanning through the water industry, it is vital that our systems feature a reliable, BOLLFILTER Automatic system to prevent blockages. BOLLFILTERs proved to be a cost-effective solution for Christ Kennicott.”*

**Client** Christ Kennicott Water Technology Ltd  
**User** Severn Trent Water  
**System** BOLLFILTER Automatic Type 6.18 DN400, 50 microns  
Backup Filter: BOLLFILTER Simplex Type 1.03.2



**CENTRE.** Skid-mounted filtration unit for installation at Severn Trent Water's Far Baulker site comprising Self-Cleaning BOLLFILTER Automatic with manual Simplex strainer as standby.

**BOTTOM.** Typical Christ Kennicott Nitrate Removal plant.



BOLLFILTER UK Limited  
Unit 9 Station Way  
UK-Tolleshunt D'arcy, Essex CM9 8TY  
Tel.: +44/(0)1621/862180  
Fax: +44/(0)1621/869257  
E-mail: [sales@bollfilter.co.uk](mailto:sales@bollfilter.co.uk)