



Eastgate House  
87 EASTGATE  
DEEPING ST. JAMES  
PETERBOROUGH PE6 8HH

**sewaco**  
LIMITED

Phone: 01778 342202 Fax: 01778 346633  
Email: Admin@sewaco.co.uk WEB www.sewaco.co.uk

## **Technical Bulletin No. 20** **HYRATE Polytower Biofilters for Municipal Sewage Treatment.**



Space on site was at a premium on this sewage treatment works. So the twin 24.5 mt dia HYRATE Polytower biofilters, each packed with 1767 m<sup>3</sup> modular plastic media, having a surface area of 150 m<sup>2</sup>/m<sup>3</sup>, and installed to a depth of 3.6 mts, were constructed inside existing stone trickling filter shells. This enabled accommodation of an increased hydraulic and biological load to the plant within the available space.

Each filter is fitted with an HYCOVER tubular arm type power driven rotary distributor designed to apply some 45 – 55 lt/sec. The variable speed drive fitted to each machine provides a 5 : 1 turndown ratio for periodic slow speed operation to flush the media pack.

Adjustable low level ventilation panels allow full control of air flow into the filter. Apertures on each panels can be arranged to suit varying wind and temperature conditions.

For more information on the range of specialist equipment that Sewaco can provide, visit our website: [www.sewaco.co.uk](http://www.sewaco.co.uk), contact us on 01778 342202 or E.mail to:- [admin@sewaco.co.uk](mailto:admin@sewaco.co.uk) .

HYRATE BIOFILTRATION  
HYCOVER ROTARY AND  
STATIC DISTRIBUTORS  
DISSOLVED AIR FLOTATION

CONSTRUCTION OF TURNKEY PROJECT  
COMPLETE SITE INSTALLATION SERVICE  
PACKAGE EFFLUENT TREATMENT PLAN  
DESIGN AND EQUIPMENT SUPPLY

AERATION EQUIPMENT  
SLUDGE HANDLING EQUIPMENT  
PROCESS CONSULTANCY  
SERVICING AND MAINTENANCE