

# APPLICATION NOTE

## Waste Water Treatment Works – FLO-DAR OPEN CHANNEL FLOWMETERS FOR SEWERS AND EFFLUENT FLOWS – BY MARSH MCBIRNEY

### BACKGROUND:

The Anglian Water region has over 200 Sewage Works.

To ensure compliance with consents and other regulations the flow meters within the works have to be checked and verified. This verification



### THE PROBLEM:

The new flowmeter had to be installed without plant shutdown and without modifying the flow conditions, this meant no civil works or any restrictions in the flow, i.e. flumes or weirs. The installation must not interfere with the meter being verified



### FLOWLINE'S METERING SOLUTION:

Flowline supplied a number of portable battery powered Flo-Dar radar based open channel flowmeters. The systems can be installed and removed quickly without shutdown and without any civil works. Flow readings are logged and also displayed on a handheld PC



### EQUIPMENT DESCRIPTION:

The Flo-Dar from Marsh McBirney has been installed in over 4000 sites ranging from large treatment works and sewer systems to small effluent discharges from manufacturing sites signals. The system is completely NON CONTACT and requires no routine servicing.

### Further Information



For Further information on the Flo-Dar range of Open Channel Sensors contact us on +44 020 8207 6565 [sales@flowline.co.uk](mailto:sales@flowline.co.uk)

### EQUIPMENT DESCRIPTION:

FLO-DAR  
Non Contact open channel flowmeter.

Suitable for any shape/size pipes and channels >DN100 upwards.

Fixed and Portable systems with built-in data logging.

Outputs 4 off 4-20 mA and Pulse.

Sensor IP68.  
Converter IP67.

Available ATEX and Web Enabled.

**Flowline**  
SPECIALISTS IN FLOW MEASUREMENT