

## Flow Measurement in Wastewater

27<sup>th</sup> January 2011

Water Research Centre, Frankland Road, Blagrove, Swindon, SN5 8YF

Tel: 01793 865000. Location map: <http://www.wrcplc.co.uk/default.aspx?item=339>

Measuring the flow of wastewater remains a challenging application but one of increasing importance. The MCERTS inspection scheme has been largely successful in raising standards in effluent flow measurement but there remain issues about maintenance and difficult to monitor sites where novel and cost effective solutions are required. Also there is increasing interest in monitoring flows in the wastewater network to improve the management of these assets and address problems such as blockages and sewer flooding.

This workshop will present some of the latest thinking from a range of stakeholders – users, researchers and suppliers – on how these issues can be solved.

**Early Bird Discount: 10% discount for bookings received by 6<sup>th</sup> January**

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### Chairman: Andy Godley, Senior Consultant, Flow & Measurement, WRC

09.00 Coffee & registration

09.30 Introduction to the workshop

**Andy Godley, Senior Consultant, Flow & Measurement, WRC**

09.40 Living with MCERTS Flowmetering *followed by:* Tipping Buckets: a non-MCERTS Flowmeter

**Denys Wickens, Severn Trent Water**

10.10 Maintenance Issues for MCERTS Flowmeters

**John Corris, Director, Critical Flow Systems Ltd**

10.40 A Risk Based Approach to the Whole Life Cycle of Instruments

**Adrian Lacy, Instrument Maintenance Engineer, Yorkshire Water**

11.10 Tea / coffee

11.40 Impact of environmental conditions on ultrasonic level sensors

**Mark Harman, Instrument Engineer, Water Research Centre**

12.10 Maintenance-free Flow Meters for Network Monitoring

**Pete Easey, Managing Director, Microtronics UK**

12.40 Cost effective Flow Measurement

**Alec Willis (MCERTS Inspector) or Rob Burton (MCERTS Manager), Hydro-Logic Ltd**

13.10 Networking & Lunch

14.10 South West Water's Experience of MCERTS

**Ron MCawley (Principal Scientist, SWW) and Paul Wiktorko (Data Analyst, SWW)**

14.40 The challenges for hydroacoustic flow measurement techniques in natural watercourses in England & Wales: **Gareth Varney, Technical Specialist (Hydrometry & Telemetry), Environment Agency**

15.10 Unique Solutions to Flow Measurement Applications using Cross Correlation Technology

**Michael Teufel, Head of Department Technology Transfer, NIVUS**

15.40 Discussion & close

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**REGISTRATION:** The cost of attending the Workshop is £75.00 inc VAT for members of SWIG and £135 inc VAT for non-members. Literature may be distributed for a fee of £55 and a limited number of table top displays are available at £105 each. Registrations can be made by Tel: 01925 855741, email: [linda.smith@swig.org.uk](mailto:linda.smith@swig.org.uk), web: [www.swig.org.uk](http://www.swig.org.uk) using the on-line booking form. **Please advise if you have special dietary needs.** Cancellation policy: Full refunds if cancellations are notified at least 5 days in advance of workshop date.