

## MCERTS Bulletin 21

### Inspection of electromagnetic flowmeters (clarification)

#### Factory calibration certificates

Clause A3.2 of the MCERTS Minimum Requirements for the Self Monitoring of Effluent Flow requires that *"...if the original factory calibration certificate is available, a copy shall be included in the MCERTS inspection report"*

The MCERTS Project Steering Committee agreed at its meeting on 3 March 2009, that Clause A3.2 shall only apply to flowmeters purchased after January 2004. For flowmeters purchased before January 2004, the requirement can be waived providing that the MCERTS Inspector obtains sufficient evidence to quantify the uncertainties.

#### Provision of "as-installed" drawings and/or photographs

Clause A3.37 of the MCERTS Minimum Requirements for the Self Monitoring of Effluent Flow recommends inspection of as-installed drawings and/or photographs to demonstrate that the flowmeter has been installed correctly. Clause A3.37 shall not apply where the flowmeter can be verified by an alternative method (e.g. a drop test).

#### Buried flowmeters

The MCERTS Project Steering Committee agreed at its meeting on 10 March 2010, that the following clauses should be a mandatory (normative) requirement:

- A3.5 New or replacement electromagnetic flow meter installations shall be provided with a means of access to allow inspections of the sensor to take place, including general condition, cable connections, earthing and bonding, confirmation of meter type, size, serial number and calibration factors. The design shall enable removal of the sensor if required.
- A3.6 New installations shall have sufficient exposed pipe available to install a clamp-on flowmeter for verification purposes (450mm or 1.5 pipe diameters is recommended).