

Flowmeter Verification in Water/Wastewater Industry

Alan Vance^{1*} and Steve Milford²

¹Endress+Hauser, 828 Walsingham Way, Valrico, FL 33594

(*Email: alan.vance@us.endress.com and Phone: 813-404-0387)

²Endress+Hauser, 2350 Endress Place, Greenwood, IN 46143

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ABSTRACT

The water industry is undertaking great effort to ensure high levels of process reliability, consistent quality and accurate billing of water. There is also an increasing need to prove that operations are economically and environmentally sustainable. State-of-the-art measuring technology is the key to ensuring these values, since it is well-known for ensuring highly stable measurement results over a long period of time. Despite this, it is today common practice to inspect quality related measuring points at regular intervals.

The general requirements for accounting and billing of water as well as quality related water and waste water applications are:

- Flowmeters have to be verified in regular intervals
- Verification has to be performed by a qualified third party and with an accepted inspection method based on quality regulations (ISO 9001)
- A test report needs to be provided (documented proof of evidence)

To meet quality regulations verification shall be performed by a qualified third party and accepted inspection method based on quality management. In waste water treatment plants inlet and outlet measurement is required to meet environmental regulations.

ABOUT THE AUTHORS:



Alan Vance is the Industry Manager Water & Wastewater at Endress+Hauser and has 25+ year's experience with process control instrumentation. Contact: alan.vance@us.endress.com.



Steve Milford is the Flow Product Manager at Endress+Hauser and has 20+ year's experience in flow measurement. Contact: steve.milford@us.endress.com or Phone: 980-307-2715.