

Accurate Metering of Water Production Flows eLearning course

OUTLINE / COURSE DESCRIPTION

.1 CEU/1 PDH/1 Contact Hour

Course participants will learn that accurate metering of production flows is highly important, in terms of managing water supplies, but also in providing accurate data to the annual water audit. Production flows are the largest annual volumes of water measured in the water utility, and they are measured by the largest flowmeters in the water system. It is critical that water utilities manage these assets reliably to produce accurate data, and this course provides detailed guidance on this activity.

LEARNING OBJECTIVES

- Identify those water flows that are classified as production flows
- Recognize the critical importance of accurate production flow data to water accountability
- Distinguish the primary types of production flowmeters used in drinking water supplies
- Recall the basic ways to test production flowmeter performance and calculate the accuracy rating from typical testing data
- Recognize that production flowmeters are important assets that must be maintained, repaired, and replaced on a regular basis as part of good asset management
- Tabulate and Analyze production flowmeter data to observe flow trends and identify data errors and data gaps

COURSE REGISTRATIONS FOR YTD 8/28/24: 44

DEVELOPMENT AUTHOR / SPEAKER BIO

George Kunkel provides expert services on the technologies, policies and regulatory developments for effective water loss control in drinking water utilities. My services include consulting and training for water utilities, regulatory agencies, and other water stakeholders seeking water efficiency improvements. These services help water utilities to control leakage losses that waste water and energy resources; and allow water utilities to maximize their revenues by better controlling apparent losses from customer water meter inaccuracies, unauthorized consumption, and customer billing system errors.

He draws on experience of over 35 years with a large US water utility where I employed an award-winning water loss control program. I have been the pacesetter in the industry by promoting innovative approaches in water loss control. I am the technical editor of the leading guidance manual: "Water Audits and Loss Control Programs", published by the American Water Works Association (AWWA). I also conceived, and am a co-author, of the leading software used for auditing utility water supplies: the "AWWA Free Water Audit Software". I am also co-author of the McGraw-Hill book "Water Loss Control".