

WV Section AWWA

Water Loss Control Seminar

“NRW - Water Audit Seminar”

January, 27th, 2010
10:00 AM – 3:00 PM
Flatwoods Days Inn
Exit 67 off of I-79

Materials Included

AWWA M36 Manual on “Water Audits and Loss Control Programs”
Directions to Download Water Audit Software from AWWA website
DVD of Liquid Assets – A documentary on the nations aging water and sewer infrastructure by Penn State University

Instructor: Philip Bright, NRW Manager for WV American Water
Questions?? Call (304) 523-5077

4 Hours of CEH’s for all Water Operators in WV- #CEH2009-121

Cost: WV Section AWWA Members \$40.00; Non-Members \$80.00

Water Loss Control is the effort of water utilities to control water loss in distribution delivery systems and providing accountability through established reliable auditing methods and implementing controls to keep loss to a minimum. Water loss occurs in all water utilities. Only the economic impact and extent of the loss varies.

Water utilities suffer from both real and apparent losses incurring high repair costs as well as revenue losses. Non Revenue Water (NRW) includes all losses that are not revenue generating. The Water Balance summarizes the water volumes which balance customer consumption and water losses (known and estimated) equal to the input volumes.

Although WV as a whole does not suffer from water scarcity, there are areas where potable water is not economically viable or existing water plant capacity limitations dictate the conservation and limiting of water loss. Water resources should be managed in an efficient manner to ultimately produce potable water at the lowest possible cost to the customer.

This seminar concentrates on the new best practices created by International Water Association/American Water Works Association’s “Water Audit Methodology”. This is the first step in controlling water losses. It is a top down approach that utilizes data commonly collected in water systems through billing systems, metering and/or estimation. The water audit will provide “NRW volumes, Annual Cost of Apparent and Real Losses, Losses per Connection and Length of Main per Day, Unavoidable Annual Real Losses (the economic low level of leakage that can be achieved), and the Infrastructure Leakage Index” which can be used when benchmarking the performance of utilities in the management of real losses.

Although no national regulations exist that dictate water loss limits, there are state requirements which limit water loss. There are several state agencies which now utilize the new audit methods. They include Texas Water Development Board, Pennsylvania PUC, Delaware River Basin Commission, New Mexico Office of State Engineer, Washington State DPH, and California Urban Water Conservation Council. This best practice is a proven method that is used internationally and should soon prove to be the standard practice in the U.S. as state commissions adopt the IWA/AWWA Water Audit Method.

Please join me and be ahead of the curve. There is only room for 20 participants in this first Water Audit Training Session. Participants will be selected on the first registration received basis and will be notified by email or phone call. If there is enough participation a second class will be held within a few months of the first class.