Water Industry Cyber Security Trends and Tools

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ABSTRACT

Cyber-attacks are regularly in the news and are steadily on the rise. Governmental agencies are under pressure to raise emergency preparedness. Municipalities have reduced staffing levels and must leverage use of the latest ICS-process technology to improve security and still meet operating requirements. They must have a plan to keep their process and IT assets safe in the face of these evolving control system threats. There are quite a number of industry standards providing guidance. AWWA and DHS offer tools to help provide guidance to help municipalities create a roadmap to improve their overall plant security.

- Dept of Homeland Security- DHS offers Cyber Security Evaluation Tool (CSET®). It is a self-contained software CD tool which aids in the identification and evaluation the cybersecurity of an automated, industrial control or business systems.
- AWWA has a Cybersecurity Guidance tool on their website that allows users to create use cases that provide guidance for creating a strategic cyber security plan.

 By using these tools management can gain insight into the vulnerabilities of their Plant and ICS-Industrial Control network. We will also share real-world examples of how to outline the steps involved in a vulnerability risk assessment and how to turn an assessment into a sound strategy.

This session will discuss where to get these tools. Participants will learn how use these assessment tools to enable them to identify their vulnerabilities; scope out the risk involved and prioritize the work to be done.

ABOUT THE AUTHORS

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