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The Authoritative Resource on Safe Water®

Utility Advisory

**TO: AWWA Leadership
All Utilities**

FROM: AWWA Government Affairs

DATE: June 30, 2009

Who:	Water Sector Coordinating Council (WSCC)
What:	FREE Cyber Security Training Workshop
When:	October 15, 2009-Chicago, IL October 26, 2009-San Antonio, TX November 3, 2009-Holliston (Boston), MA

Attached please find a flyer regarding a series of free cyber security workshops the Water Sector Coordinating Council will be sponsoring this fall.

If you have any questions regarding the workshops, please contact Kevin Morley at kmorley@awwa.org.

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WATER SECTOR COORDINATING COUNCIL



“The current economic downturn may be a perfect storm for (cyber) security breaches”. -McAfee Report on Cybersecurity

To: Water/Wastewater Utilities

From: Water Sector Coordinating Council (WSCC)

RE: Cyber Security Training Workshop

Date/Place: October 15, 2009-Chicago, IL, October 26, 2009-San Antonio, TX and November 3, 2009-Holliston (Boston), MA

The urgent need to mitigate risks and threats to Industrial Control Systems (ICS) has led the water sector to collaborate with government leaders on an integrated security strategy as detailed in the *Roadmap to Secure Control Systems in the Water Sector*, March 2008.

A critical component of this effort is equipping utility personnel with the requisite knowledge, skills and abilities to identify, defend against and repel cyber attacks.

The WSCC is hosting a series of workshops designed specifically to improve the knowledge, skills and abilities of U.S. based utility employees who are responsible for control system security. The Department of Homeland Security’s Control Systems Security Program will present the workshop training and discuss security products that are available for use by Water Sector asset owners and operators. These one-day seminars will include:

- A briefing on the *Roadmap* to review the goals, milestones, and information on roles, responsibilities and relationship models for IT and SCADA organizations;
- An overview of cyber risks and threats to utility based control systems;
- Concrete and easy to understand mitigation strategies for securing control systems;
- Demonstration and instruction on the Control System Cyber Security Self- Assessment Tool (CS²SAT);

To register for the one of the three workshops please go to www.waterisac.org and select News and Events at the top of the page.

If you have any questions regarding the workshops, please contact Aaron Levy at levy@amwa.net or Kevin Morley at kmorley@awwa.org.

Agenda

Typical Training Schedule		
8:00 a.m.	Welcome and Opening Remarks	
8:20 a.m.	Roadmap Briefing:	<ol style="list-style-type: none"> 1. Purpose, Vision, Sector Status, Challenges 2. Goals and Milestones 3. Roles, Responsibilities and Working Relationship models (IT and SCADA Organizations)
9:15 a.m.	Training – Part 1a:	Importance of Protecting Industrial Control Systems
10:15 a.m.	Break	
10:30 a.m.	Training – Part 1b:	Control Systems Risks and Threats
12:00 noon	Working Lunch: Case Studies	
1:00 p.m.	Training – Part 2: Training – Part 3:	Cyber Vulnerabilities and Consequences Control System Security: Mitigation Strategies
3:15 p.m.	Break	
3:30 p.m.	Training – Part 4	<ol style="list-style-type: none"> 1. Self Assessments using CS²SAT (demo) 2. Expectations for establishing a security baseline 3. Other DHS Security Products and Tools
4:45 p.m.	Open Discussion	Feedback from Participants and Close-out
5:00 p.m.	Adjourn	

Training Curriculum:

- Part 1 is designed for both IT and control system professionals to familiarizes them with the unique risks and security challenges facing modern control systems associated with critical infrastructure.
- Parts 2 and 3 provide detailed training on control system security threats, vulnerabilities, and consequences and then provide best practices for mitigating vulnerabilities and implementing defense in depth strategies.
- Part 4 provides training on the use of the CS2SAT for completing a self-assessment, gives participants a demonstration of the tool's functions and encourages asset owners to complete a self-assessment at their facilities to help establish a security baseline for the water sector.