

Public Sector Digest – Webinar
Thursday, August 25, 2016 at 1:00pm - 2:00pm Eastern
Guarding City Water and Wastewater SCADA Systems in Your Community
A Webinar on Municipal Cybersecurity

Speaker #2 – Graham Nasby, City of Guelph Water Services

SCADA Security at City of Guelph Water Services

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Presentation Outline

In water utilities, the SCADA (supervisory control and data acquisition) system plays a vital role by giving operations the ability to monitor and control the water system in a consistent and reliable manner. The SCADA system is also an important tool for maintaining regulatory compliance by providing key monitoring, logging, control and alarming capabilities. For this reason, ensuring that the SCADA system is adequately protected from service interruptions and cybersecurity threats is of vital importance.

In this presentation, the speaker will outline how the City of Guelph Water Services has used the framework of the ISA/IEC-62443 cyber security standards (formerly known as ISA-99) to safeguard its SCADA system. The presentation will begin with an outline of the philosophy behind the ISA/IEC standards, and then give an overview of how it has been applied. The talk will also cover how ISA/IEC cyber security preparedness concepts have also been applied to other computer systems at Guelph Water.

About the Speaker



Graham Nasby, P.Eng, PMP, CAP holds the position of Water SCADA & Security Specialist at City of Guelph Water Services, a publicly-owned water utility located in Guelph, Ontario, Canada. He is senior member of the International Society of Automation (ISA) and past director of the ISA's water/wastewater technical division. As an AWWA and WEF member, he continues to promote the importance of automation and cyber security in the municipal water sector. Graham sits on several international standards committees, including the ISA-99 cybersecurity committee, the IEC TC65 industrial automation committee, and the ISA-18 alarm management committee. In 2013, Graham received the ISA's Technical Division Leader of the Year his contributions to the municipal water/wastewater sector. In 2014, he was recognized with a 'Mid-Career Achievement' award from his alma mater, the University of Guelph's School of Engineering.