



Caroline Stilling
 CWSA Administrator
 2069 Shawnigan Lake Rd
 Shawnigan Lake, BC V0R 2W5

Operator Registration Form

Date: November 23rd & 24th, 2021



Time: 8:00 am – 4:00 pm

Place: Virtual Classroom Setting via Zoom Video Communications

Courses: Sessions are accredited by the Environmental Operators Certification Program (EOCP) at 0.6CEUs

Members \$275/person

Non-Members \$350.00/person

Name (s) of Registrant	EOCP #	 Incorporating Climate Change Strategies (.6 CEU's) Tuesday, November 23, 2021	 Process Control & SCADA Fundamentals (.6 CEU's) Wednesday, November 24, 2021

Member Organization Name: _____

Mailing address: _____

Phone: _____

Registrant/s Email: _____

Registrant/s Phone: _____

Each course cost includes materials and submission of documentation to EOCP.

***CWSA reserves the right to cancel any courses that do not achieve a minimum number of participants**

You may register and renew membership online at www.cwsa.net
 If paying by cheque, please include the registration form with your payment or email to coastalwatersuppliers@gmail.com.
 Cheques to be payable to Coastal Water Suppliers Association (CWSA)
 2069 Shawnigan Lake Rd.
 Shawnigan Lake, BC. V0R 2W5
 For questions, please call Caroline at (250) 731-5557

Tuesday, November 23rd, 2021

**Incorporating Climate Change Strategies:
A Workshop for Water & Wastewater Utilities**

Time: 8:00-4:00



This course will be instructed by Mike Ippen, DRAGONETTI Group.

Mike has spent over 40 years in local government utilities operations and management, as superintendent in North Vancouver, to utilities and public works manager in Saanich and for the City of Victoria.

Mike has served on the boards of the BC Public Works Association, BCWWA, where he served as President in 2015-2016, and for BC1 Call, as Executive Director between 2017-2020. Mike consults with local governments and First Nations in BC and Yukon on water and wastewater issues.

With the ever-shifting impacts of climate change on our industry, water suppliers and operators are faced with new challenges of providing an uninterrupted supply of safe drinking water to the communities we serve.

This workshop will explore the issue of what does climate change and extreme weather events mean to water suppliers and why does it matter. Rising sea levels, intense storms, drought and the impacts on Source Water will be featured.

Over the course of the day participants will:

- Investigate how Climate Change will impact water & wastewater utilities
- Analyze tools to determine risks for their own utilities and
- Plan for future operational and administrative strategies to mitigate and adapt to climate change.

Wednesday, November 24th, 2021

**Process Control and SCADA Fundamentals:
A Workshop for Water Utilities**

Time: 8:00-4:00



This course will be instructed by Bart Nelissen, Automation & Controls Team Lead at MPE Engineering.

Bart started his working career as a lab tech and plant operator, before starting building control systems in the late '90s. Since then, Bart worked for various consulting companies where he programmed, tested, and commissioned control systems for the oil & gas, water & wastewater, food & beverage, and manufacturing industries. Bart has been an active member of the BCWWA and Alberta AWWOA since his career is dedicated to the water and wastewater sector in 2015, attending events, sponsoring, and presenting lectures.

Bart is passionate about teaching and mentoring, and has been a SCADA Software instructor for many years which included instructing Schneider InTouch and General Electric Cimplicity. Aside from that, educating Clients as part of a SCADA project has become more and more common with the involvement of multiple Client departments such as IT, Management, Maintenance, Engineering, Accounting and of course Operations.

Description: Control and Automation systems are becoming more and more common, and they are playing an increasingly larger role in the daily tasks of an operator, while they are getting more and more complex.

This course will help operators understand the components that make up a Supervisory Control And Data Acquisition (SCADA) system from the process and its instruments, through controllers and communication systems, to the interface. Operators will not only gain knowledge that will help troubleshoot existing control system issues, but also learn about options available when upgrading, expanding, or replacing SCADA systems.