



*Fire Hydrants & Gate Valve  
Best Practice;  
Operations & Maintenance*

**May 15, 2018**

**New Minas, NS**

Operators, Managers, Engineers and Water Quality personnel all encouraged to attend

**COURSE OUTLINE:**

**8:30am Introductions**

**9am Basic Information (30min)**

- Purpose of Fire Hydrants
- Different Types and Configurations found in Canada
- Gate Valve standards; yesterday & today
- Review of common standards

**9:30am Working Parts of Hydrant & Gate Valves\*\* (45min)**

- Review Key Parts
- Typical Field Problems and relative Key Parts

\*\*CV Century 'cut-away' Fire Hydrant & Mueller Next Generation Gate Valve will be used

**10:15am BREAK**

**10:30am Hydrant & Valve Recommendations\*\* (60min)**

- Installation; Hydrant, Gate Valve, Valve Box
- Inspection
- Operation
- Hydrant Main Valve Maintenance

\*\*CV Century 'cut-away' Fire Hydrant & Mueller Next Generation Gate Valve & Composite Valve Box will be used

**11:30am LUNCH**

**Automated Flushing Techniques**

**12:30pm Manual Flushing vs Automated Flushing (45 min)**

- Water Quality Standards
- Typical Flush times; Manual vs Automated
- Case Study; city of St. John's NL & Town of New Glasgow NS

**1:15pm Automated Flushing Devices\*\* (30min)**

- Temporary flushing
- Cold Climate flushing
- Flushing devices with pressure monitoring

Hydro-Guard HG-6, HG-8 & Remote Pressure Monitor will be used

## **1:45pm BREAK**

### **2pm Fire Hydrant Maintenance – Hands On\*\* (60 min)**

- “Repairing the Main Valve”
- “ Plugging the Drain”

\*\*Two (2) CV Century ‘cut-away’ Fire Hydrants will be used

### **3pm Review (20 min)**

Network with others or review your own notes

### **Test (15 min)**

20 Question Test will challenge your new knowledge of hydrants and flushing

### **COURSE FORMAT:**

Every attempt is made to keep the course informal and an enjoyable day-long training experience. Registration starts at 8:30 am, and the instructor will start shortly after 8:30. Lunch is 11:30-12:30pm. Wrap-up time is usually around 4:00pm. Though all workshops are non-smoking, ample breaks are provided for coffee and discussion.

### **PRESENTER:**

Presenter: Jeff B. Jensen, Mueller Canada

Jeff has been involved in the waterworks industry for 17 years. During this time he has enjoyed facilitating training courses abroad the Atlantic Canada engaging with Water Distribution stake holders on various water topics. Mueller Canada has been Jeff’s primary employer during this time allowing his participation as a volunteer. Mueller works closely with sectional Operator associations in many areas of the North American continent to both help build products with the longest life cycle and better understand local issues. Mueller is the broadest manufacture of Waterworks products on the continent. Jeff’s belief is working with system operators and managers is the best way the share best practices in our industry. This will be the goal of our training day with the added value of seeing modern leading products and innovations by the Mueller Company.

### **CONTACT INFORMATION:**

Registration can be made by faxing or mailing the registration form, or on-line at [www.acwwa.ca](http://www.acwwa.ca). For further information, please contact ACWWA Section office at 902-434-6002.

### **COURSE LOCATION:**

Louis Millett Community College  
9489 Commercial Street  
New Minas, NS



**ATLANTIC CANADA  
WATER & WASTEWATER ASSOCIATION**  
American Water Works Association  
**Atlantic Canada Section**



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Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City, Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

**ACWWA Membership #:** \_\_\_\_\_ **WEF Membership #:** \_\_\_\_\_

(If no membership number is listed, you will be invoiced as a non-member. See pricing below.)

**Fee for ACWWA or WEF Members & Employees of Utility Members**

Course: \$200.00 + \$30.00 HST (15%) = \$230.00

**Fee for Non – Members**

Course: \$250.00 + \$37.50 HST (15%) = \$287.50

Fees include coffee breaks and lunch

**Payment can be made by visa, master card or cheque. Invoices will be sent to the address listed above.**

**Please send PO number if you want it included on the invoice.** \_\_\_\_\_

Card Holder's Name \_\_\_\_\_

Card Number \_\_\_\_\_ Expiry \_\_\_\_\_

Signature \_\_\_\_\_

Cheques should be made payable to  
**ACWWA**  
 PO Box 28142 Dartmouth, NS B2W 6E2  
 Phone 902-434-6002 Fax 902-435-7796