

# Wastewater Collection “Core Course”

This course is approved for operator certification renewal  
 CEU value of 0.6  
 Applicable for WWC

**May 15, 2019 – Sydney, NS**

This course covers the “core” of **Wastewater Collection**. It is designed to provide participants with an overview, touching on many aspects of the wastewater Collection system. This is an excellent opportunity for new operators to be exposed to the various operations of collection systems as well as a general understanding of the different systems and their operations. This course also applies to more seasoned operators as it may introduce different types systems, operations, and problem solving techniques as well as add to the broader knowledge of the operators in general.

The Agenda will include but not be limited to the following, time permitting:

<p style="text-align: center;"><b><u>History of Wastewater Collection</u></b></p> <ul style="list-style-type: none"> <li>• Major events through history</li> <li>• Types of Collection Systems</li> <li>• Operator Rolls, Responsibilities</li> </ul>	<p style="text-align: center;"><b><u>Operations</u></b></p> <ul style="list-style-type: none"> <li>• Mathematics for collection operators</li> <li>• Inflow &amp; Infiltration</li> <li>• Laboratory Analysis</li> </ul>
<p style="text-align: center;"><b><u>Health And Safety Awareness</u></b></p> <ul style="list-style-type: none"> <li>• Personal and Public Safety</li> <li>• Confined Spaces</li> <li>• Construction &amp; Trenching, traffic control</li> </ul>	<p style="text-align: center;"><b><u>Lift Stations</u></b></p> <ul style="list-style-type: none"> <li>• Lift stations &amp; Pumping Stations</li> <li>• Inverted Syphons</li> <li>• Pipes, Joints, Fittings</li> </ul>
<p style="text-align: center;"><b><u>Maintenance</u></b></p> <ul style="list-style-type: none"> <li>• Physical, Electrical, Mechanical, Hydraulic</li> <li>• Hydraulics, Pumps</li> <li>• Infrastructure, Pipes, Valves, manholes</li> <li>• Clearing blockages</li> </ul>	<p style="text-align: center;"><b><u>Record Keeping and Reporting</u></b></p> <ul style="list-style-type: none"> <li>• Sampling and Testing</li> <li>• SCADA</li> <li>• CMMS</li> <li>• Finding Regulatory Requirements</li> </ul>

**PRESENTER: Brian A. Hazlett**

Brian has 40 years professional experience in the operation and management of various distribution, collection, and treatment systems for drinking water and wastewater. Brian is certified in all four fields and maintains a Class IV Certification in Wastewater Treatment & a Class III certification in Wastewater Collection. Since 2006 Brian has been actively designing, developing and delivering training programs for operators throughout Atlantic Canada in his role as Senior Consultant with Accessible Water & Wastewater Solutions Ltd. (AWWS).

**COURSE LOCATIONS & TIME:**

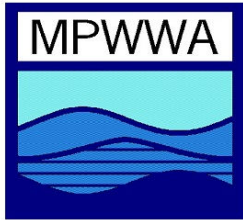
CBRM Public Works Central  
 15 Massey Drive Sydney, NS

8:30am- 4:30pm,

Lunch “*On Your Own*” 12:00- 1:00, Refreshment breaks supplied

**CONTACT INFORMATION:**

Registration can be made by faxing or mailing the registration form. For further information, please contact Clara Shea at 902-434-8874.



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

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

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

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

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

MPWWA Member Number: \_\_\_\_\_

Members \$225.00 plus 15% HST = \$258.75

Non-Members \$250.00 plus 15% HST = \$287.50

**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.**

PO \_\_\_\_\_

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

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

Signature \_\_\_\_\_

**Cheques should be made payable to:  
MPWWA  
C/O Clara Shea, Executive Secretary  
PO Box 28142 Dartmouth, NS B2W 6E2  
Phone 902-434-8874 Fax 902-434-8859**