



## **2 Day - Operational Math**

This course is approved for operator certification renewal  
CEU value of 1.2  
Applicable for WT, WD, WWT, WWC

**May 9-10, 2017 – Antigonish, NS**

### **COURSE DESCRIPTION:**

This course is designed to refresh operators with their math skills. It will start from the basics and build a solid path up the operational level in depth with the math involved for operators in the level II or higher. It will emphasize all concepts by participants practicing each area to ensure the concepts are well understood before moving to the next level.

This course will be invaluable to any operators preparing for certification exams or those just wanting to refresh and maintain their math skill sets and apply to their operations.

Some of the key areas that this course will focus on but not limited to are;  
Review Metric System, Common conversions , Addition, Subtraction, Multiplication, Division, Converting Fractions Decimal Units, Solving Equations , Areas/Volumes – Rectangle, Circle, Cylinder , Flow rates , Chemical dosage, Percentages, Chemical Dosing, Process Controls, Laboratory Work, Trench Work, Pumping Stations, Detention Times, actual problem solving exercises and Exam Writing Techniques etc.

### **COURSE PRESENTER:**

John Lam is Senior Environmental Engineer with exp Services Inc. He has been involved in wastewater systems for over 30 years, and in that time has designed and/or studied nearly 80 water and wastewater treatment plants, including lagoons and sludge management facilities, in the region, across Canada and overseas. John also has a Class I wastewater treatment plant operator certificate and has operated treatment plants since 2009 including two plants in Bermuda. With his real life experience on the ground and in the field he can relate to what the operators actually deal with in day to day operations.

### **COURSE LOCATION & TIME:**

Municipality of County of Antigonish Council Chambers  
285 Beech Hill Road  
Antigonish, NS  
8:30am- 4:30pm,  
Lunch “*On Your Own*” 12:00- 1:00, Refreshment breaks supplied

### **CONTACT INFORMATION:**

Registration can be made online at [mpwwa.ca](http://mpwwa.ca), 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 \$450.00 plus 15% HST = \$517.50

Non-Members \$500.00 plus 15% HST = \$575.00

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