



# LIFT STATIONS AND FORCEMANS

**May 27, 2019**

**Charlottetown, PE**

## **COURSE OBJECTIVES AND OVERVIEW:**

The objectives of this course are:

- To familiarize the attendees with lift stations and forcemans in wastewater conveyance; and
- To discuss issues related to design, operation and maintenance of lift stations and forcemans.

### Introduction Orientation & objectives

8:30 AM to 9:00 AM	Lesson 1 Wastewater terminology
9:00 AM to 10:00 AM	Lesson 2 Hydraulic concepts
10:00 AM to 10:15 AM	<i>Break</i>
10:15 AM to 11:00 AM	Lesson 3 Types of pumps
11:00 AM to 12:00 PM	Lesson 4 Design factors
12:00 PM to 1:00 PM	<i>Lunch On your Own</i>
1:00 PM to 1:45 PM	Lesson 5 Station configuration
1:45 PM to 2:30 PM	Lesson 6 Odor and corrosion
2:30 PM to 3:00 PM	Lesson 7 Operations
3:00 PM to 3:15 PM	<i>Break</i>
3:15 PM to 4:00 PM	Lesson Review- Review key points to ensure understanding
4:00 PM to 4:15 PM	Conclusion Questions/answers

## **COURSE FORMAT:**

Every attempt is made to keep the course informal and an enjoyable day-long training experience. Registration starts at 8:00 am, and the instructor will start shortly after 8:30. Lunch is 12:00-1:00pm. Wrap-up time is usually around 4:00pm. Though all workshops are non-smoking, ample breaks are provided for coffee and discussion.

## **COORDINATORS & PRESENTERS:**

**John Lam , P.Eng.** is Senior Environmental Engineer with exp Services Inc. John has been involved in wastewater systems for over 30 years, and in that time has designed and/or studied over 80 water and wastewater treatment plants in the region, across Canada and overseas. John has a Class I wastewater treatment plant operator certificate and has operated treatment plants since 2009 including two plants in Bermuda.

## **CONTACT INFORMATION:**

Registration can be made by faxing or mailing the registration form on the reverse of this page, 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:**

Rodd Royalty  
14 Capital Drive  
Charlottetown, PE

Please print clearly and fax or mail to the address listed on the bottom of this form.

I wish to register for the following course:

**Lift Stations and Forcemains**

**May 27, 2019**

**Charlottetown, PE**

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: \$280.00 + \$42.00 HST (15%) = \$322.00

**Fee for Non – Members**

Course: \$299.00 + \$44.85 HST (15%) = \$343.85

Fees include coffee breaks  
Lunch on your own

**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 \_\_\_\_\_

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