

**FALL 2010**  
**TRAINING SCHEDULE**

Massachusetts Wastewater Operator Training (MWOT)

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**WASTEWATER TREATMENT COURSES**

The New England Interstate Water Pollution Control Commission (NEIWPCC) in conjunction with the Department of Environmental Protection (DEP) and the Massachusetts Water Pollution Control Association (MWPCA) is offering the Fall 2010 Training Schedule with courses in the operation and maintenance of wastewater treatment plants and review sessions for certification examinations. NEIWPCC offers the ability to join the MWPCA when you register for a class and immediately receive the member's discount. See pages 17 and 18 for details.

**Websites**

Schedules and detailed course information can be viewed or downloaded from the following websites:

[www.mwpc.org](http://www.mwpc.org)

[www.neiwpcc.org/training/mwot.asp](http://www.neiwpcc.org/training/mwot.asp)

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**Contact NEIWPCC with questions concerning the Massachusetts Training Schedule.**

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NEIWPCC

116 John Street

Lowell, MA 01852

Attention: Massachusetts Training

Telephone: (978) 323-7929

Fax: (978) 323-7919

E-mail: [training@neiwpcc.org](mailto:training@neiwpcc.org)

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**Training Consortium Coordinates Massachusetts Wastewater Operator Training Program**

For five years now the New England Interstate Water Pollution Control Commission (NEIWPCC) has coordinated the state’s Wastewater Operator Training Program with the assistance of Massachusetts Rural Water Association (MassRWA), New England Water Environment Association (NEWEA), the Massachusetts Water Pollution Control Association (MWPCA), and others.

NEIWPCC’s role also includes the coordination of the Massachusetts operator certification program. NEIWPCC’s role consists of processing applications for the semi-annual certification exam; the scheduling of exam dates, proctors, and locations; and the coordination of license renewals every two years. *As of July 2007, NEIWPCC now leads the certification program in conjunction with the Board of Certification and will maintain the issuance of operator licenses, appeals, emergency applications and other matters that are statutory requirements.*

For more information on the Massachusetts Wastewater Operator Training Program or Certification Exams, contact NEIWPCC at (978) 323-7929, by e-mail at [training@neiwpc.org](mailto:training@neiwpc.org) or visit our website at [www.neiwpc.org/training/mwot.asp](http://www.neiwpc.org/training/mwot.asp). For Certification issues, contact Rose Decie directly at (978) 323-7929, ext. 246.

**GENERAL REGISTRATION INFORMATION**

All registrations and book purchases for courses and review sessions must be:

- (1) Prepaid and accompanied by the appropriate two-sided Registration Form and**

- (2) Mailed to:**

NEIWPCC – MA TRAINING  
116 JOHN STREET  
LOWELL, MA 01852-1124

**Checks or money orders should be made payable to NEIWPCC Training. Purchase orders and credit cards (MasterCard/Visa/Discover) are also accepted. Telephone reservations are not acceptable for course registrations.**

**NOTE NEW POLICY: *There will be a \$15.00 fee for checks returned due to insufficient funds.***

**PLEASE REGISTER EARLY**

Courses have a limited number of seats available. Please register early since **registration is handled on a first come, first served basis.**

**PROCESSING YOUR REGISTRATION**

All registrations must be **received at least seven (7) days prior to the start of a course** to ensure proper processing. **Registrations received after this time will incur a \$15 late fee.** Failure to meet this requirement may prevent your registration from being accepted. Each registrant will receive by mail a written confirmation and directions to the training location if the registration information has been received in a timely manner.

**CANCELLATION/REFUND POLICY**

Seven days notice is required **IN WRITING** (mailed or faxed) for you to cancel at no cost. Cancellations received after this time will be charged \$25 for programs under \$100 and \$50 for programs over \$100. Registrants who do not cancel or who fail to show are responsible for full payment.

## 4-DAY BASIC WASTEWATER MATH COURSE

**Bring your calculator to each class!**



This 4-Day Basic Wastewater Math Course expanded from 3-days, has been designed to help students develop basic math skills and to provide a review of basic math concepts and computations.

This course will help prepare students for the basic math skills that are used for the Grade 1 - 3 certification exams in Industrial Wastewater Treatment and Municipal Wastewater Treatment.

A quick review of the operation of fractions will be presented. Unit analysis and the importance of working with conversion factors will be explained in detail. Percentages, proportions and concentrations will be covered. An introduction to problem solving and basic wastewater treatment formulas will be presented.

<i><b>DATES OFFERED</b></i>	
Thursday, September 9, Friday, September 17, Thursdays, September 23 and 30, 2010	
<b>LOCATION</b>	<b>TIME</b>
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 2:30 p.m.
<b>COST</b>	
<b>Description</b>	<b>MWPCA Member / Non-member</b>
Course Only	\$ 125.00 / \$ 150.00
Late fee (if not received by 9/2/2010)	\$15.00
<b>Instructor:</b> James LaLiberte, NEIWPC	TCHs: 20

**OPERATION OF MUNICIPAL WASTEWATER TREATMENT PLANTS**  
**(GRADES 1-3), 6-WEEK COURSE**

**Bring your calculator to each class!**



This 6-week course has been designed to introduce students to the basic information relative to the operation of municipal wastewater treatment plants. The basic math used in wastewater treatment will be covered during the course. This training will assist students in preparation for the **Massachusetts Municipal Grades 1, 2 or 3** certification exams.

**The 4-DAY BASIC WASTEWATER MATH COURSE may be helpful for students that need a review of basic math operations.**

The following material will be presented in this course:

Week 1: Overview of Wastewater Treatment. Massachusetts Regulations. Operator Responsibilities. Wastewater Sources and Characteristics.

Week 2: Preliminary Treatment – Objectives and Equipment. Primary Treatment – Objectives and Equipment. Math Review

Week 3: Secondary Treatment. Trickling Filters. RBC’s. Activated Sludge. Secondary Clarification. Math Review.

Week 4: Disinfection. Sludge/Residuals. Math Review

Week 5: Introduction to Pumps, Electricity, Instrumentation. Safety. Math Review.

Week 6: Laboratory. Course Review. Practice Exam.

**At the June 2010 Massachusetts Training Advisory Committee meeting, a decision was made to pilot a new program with the municipal courses. It was decided to make these two courses “Pass/Fail” courses. Students will be required to successfully complete regular quizzes and course work to “Pass” the course and qualify for Training Contact Hours.**

**The following textbooks will be used in this course:**

**Text:** Sacramento, Operation of Wastewater Treatment Plants, Volume I, 7<sup>th</sup> Edition  
 and  
 Sacramento, Operation of Wastewater Treatment Plants, Volume II, 7<sup>th</sup> Edition

<i><b>DATES OFFERED</b></i>		
Thursdays, October 7, 14, 21, 28 and November 4 and 18, 2010		
<b>LOCATION</b>		<b>TIME</b>
Richard Alden Training Facility, Millbury, MA		8:30 a.m. to 3:30 p.m.
<b>COST</b>		
<b>Description</b>	<b>MWPCA Member / Non-member</b>	
Course Only	\$ 250.00	\$ 280.00
Course and Book *	\$ 350.00	\$ 380.00
Late fee (if not received by 9/30/2010)	\$15.00	
<b>Instructor:</b> James LaLiberte, NEIWPCC	TCHs: 36 (on successful completion of course)	

**\*Ordered books will be sent in advance of the course (at no additional cost).**

**OPERATION OF MUNICIPAL WASTEWATER TREATMENT PLANTS  
(GRADES 4 & UP), 5-WEEK COURSE**



**Bring your calculator to each class!**

This 5-week course has been designed to provide students with a deeper understanding of the operation of wastewater treatment plants. This training is geared to prepare students in taking the higher level municipal exams, **Grade 4 and up**.

**Students taking this course must have completed the “Operation of Municipal Wastewater Treatment Plants – Gr. 1-3” course or have a current wastewater Treatment Operator certificate and the ability to perform basic wastewater math.**

Students who need to review basic math skills would benefit by taking the Basic Wastewater Math Course listed in this schedule.

**At the June 2010 Massachusetts Training Advisory Committee meeting, a decision was made to pilot a new program with the municipal courses. It was decided to make these two courses “Pass/Fail” courses. Students will be required to successfully complete regular quizzes and course work to “Pass” the course and qualify for Training Contact Hours.**

The following material will be presented in this course:

Week 1: Basic Municipal Wastewater Review. Rules & Regulations. Management. Basic Math Review

Week 2: Activated Sludge & Microbiology. Math Review

Week 3: Hydraulics (including pumps). Electricity (including motors and instrumentation)

Week 4: Activated Sludge. Nitrogen and Phosphorous Removal. Math Review

Week 5: Lab management. Solids handling. Effluent disposal. Practice exam

**The following textbooks will be used in this course:**

**Text:** Sacramento, Operation of Wastewater Treatment Plants Volume II, 7<sup>th</sup> Edition  
and  
Sacramento, Advanced Waste Treatment, 5<sup>th</sup> Edition

<b><i>DATES OFFERED</i></b>		
Mondays, September 20 and 27, October 4, 18 and 25, 2010		
<b>LOCATION</b>		<b>TIME</b>
Richard Alden Training Facility, Millbury, MA		8:30 a.m. to 3:30 p.m.
<b>COST</b>		
<b>Description</b>	<b>MWPCA Member / Non-member</b>	
Course Only	\$ 250.00	\$ 280.00
Course and Books *	\$ 350.00	\$ 380.00
Late fee (if not received by 9/13/2010)	\$15.00	
<b>Instructors:</b> Charles Conway and Don Kennedy, NEIWPCC	TCHs: 30 (on successful completion of course)	

\* Ordered books will be sent in advance of the course (at no additional cost).

**Note:** The course listed below was cancelled last spring due to low registration. If you have interest in this course, please contact NEIWPC at 978-323-7929. If a sufficient number (12 minimum) show interest, we will schedule the course to begin in mid-October.

**BASIC WASTEWATER TREATMENT UNIT PROCESSES IN AN  
ONSITE/SEPTIC SYSTEM (EVENINGS)**

This 6-evening course is intended for those new to the field of onsite wastewater treatment or those that may be transitioning from work at larger facilities. This is a fundamental course to help understand wastewater treatment in a conventional onsite/septic system. Learn about wastewater pollutants in septic tank effluent, components of an onsite/septic system and their function, wastewater movement and treatment through soil and other media, basic wastewater math, operation, maintenance, and inspection issues, and general safety. The concept of enhanced treatment (I/A) technologies will be introduced, along with Massachusetts regulations pertaining to septic systems (Mass. Title 5) and groundwater discharge permits.

Students who need to review basic math skills would benefit by taking the Basic Wastewater Math Course listed in this schedule.

**Bring your calculator to each class!**



**Mass. DEP is providing the following textbook (\$50 value) for this class:**

**Text: Sacramento, Small Wastewater System O&M,  
Volume 1, 1<sup>st</sup> Edition**

*Mass. DEP has provided the funding for the Sacramento text books from their EPA 104(g) Operator Training and Technical Assistance grant.*

Students completing all six classes of this course are also eligible for 10 TCH towards renewal of a Massachusetts Title 5 System Inspector license.

<b><i>DATES OFFERED</i></b>	
TBD	
<b>LOCATION</b>	<b>TIME</b>
Richard Alden Training Facility, Millbury, MA	5:00 p.m. to 9:00 p.m.
<b>COST</b>	
<b>Description</b>	<b>MWPCA Member / Non-member</b>
Course Only	\$ 170.00 / \$ 200.00
Late fee	\$15.00
<b>Instructors:</b> Michael Jennings, NEIWPC & Tom Bienkiewicz, MA DEP	
TCHs: 20	

**BASIC INDUSTRIAL WASTEWATER TREATMENT,**  
**5-WEEK COURSE, (2 SESSIONS)**

This 5-week course is designed for those individuals interested in the Grades 1 & 2 Industrial Certification Exams. It is a prerequisite for the Intermediate Industrial Wastewater Treatment Course. Both the Basic and the Intermediate Courses are recommended for students taking the Industrial Grades 3 & 4 exams and the Industrial segments of the Grades 5 & 6 Combined exams.

This course will cover: Basic chemistry/basic wastewater chemistry; wastewater characteristics; metal finishing processing, regulation and monitoring; chemical feed systems/chemical handling; equalization; pH adjustments/neutralization; metal hydroxide precipitation; coagulation/flocculation/clarification; red-ox chemistry; chromium treatment; cyanide treatment; complexes and chelants; other metal precipitation; sludge dewatering; and granular media filtration.

**The following textbook will be used in this course:**  
**Text:** Sacramento, Industrial Waste Treatment, Volume 1, 3<sup>rd</sup> Edition

<i><b>DATES OFFERED</b></i>		
<b>Session 1:</b> Tuesdays, October 5, 12, 19, 26 and November 2, 2010		
<b>LOCATION</b>		<b>TIME</b>
Richard Alden Training Facility, Millbury, MA		8:30 a.m. to 3:30 p.m.
<b>COST</b>		
<b>Description</b>	<b>MWPCA Member / Non-member</b>	
Course Only	\$ 250.00	\$ 280.00
Course and Book *	\$ 300.00	\$ 330.00
Late fee (if not received by 9/28/2010)	align="center">\$15.00	
<b>Instructor:</b> James LaLiberte, NEIWPCC	TCHs: 30	

<i><b>DATES OFFERED</b></i>		
<b>Session 2:</b> Wednesdays, October 27, November 3, 10, 17 and Tuesday, November 23, 2010		
<b>LOCATION</b>		<b>TIME</b>
Richard Alden Training Facility, Millbury, MA		8:30 a.m. to 3:30 p.m.
<b>COST</b>		
<b>Description</b>	<b>MWPCA Member / Non-member</b>	
Course Only	\$ 250.00	\$ 280.00
Course and Book *	\$ 300.00	\$ 330.00
Late fee (if not received by 10/20/2010)	align="center">\$15.00	
<b>Instructor:</b> Wayne Rezendez, W.J. Rezendez & Assoc., Inc.	TCHs: 30	

\* Ordered books will be sent in advance of the course (at no additional cost).

**NPDES LABORATORY COURSE**

**Designed for:** Wastewater operators and laboratory personnel who perform laboratory analysis for NPDES compliance.

The course will present correct sampling and laboratory procedures including hands-on demonstrations for conventional NPDES parameters. Laboratory equipment, approved methods, analytical procedures, calculations and quality assurance/quality control (QA/QC) will be included.

**Topics:**

- 1) Sampling
- 2) pH
- 3) Solids
- 4) BOD
- 5) QA/QC

**Learning Objectives:**

- 1) List sample holding times & containers
- 2) List approved methods
- 3) Calculate analytical results
- 4) Define Quality Assurance

**Week 1: Introduction to Laboratory:** Laboratory equipment. Basic laboratory skills. Sampling

**Week 2: Solids and pH:** Approved methods. Sampling. Analytical procedures. Calculations QA/QC.

**Week 3: Coliform:** Approved methods. Sampling. Analytical procedures. Calculations. QA/QC

**Week 4: DO & BOD:** Approved methods. Sampling. Analytical procedures. Calculations QA/QC

**Text:** Wastewater Laboratory Manual, PA DEP (included with the course) \*\*

 **Note:** Registration is limited to 20 students per session.  
Make sure to register early!

<i><b>DATES OFFERED</b></i>	
Fridays, October 15, 22, 29 and November 5, 2010	
<b>LOCATION</b>	<b>TIME</b>
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 2:30 p.m.
<b>COST</b>	
<b>Description</b>	<b>MWPCA Member / Non-member</b>
Course	\$ 250.00 / \$ 280.00
Late fee (if not received by 10/8/2010)	\$15.00
<b>Instructor:</b> Greg Kidd, NEWWTA	TCHs: 20

\*\* This book cannot be shipped ahead of time.

**INTERMEDIATE INDUSTRIAL WASTEWATER TREATMENT,**  
**2-DAY COURSE**

**Bring your calculator to class!**



This two-day course has been designed for individuals taking the Industrial Grades 3 & 4 certification exams and the Industrial segments of the Combined Grades 5 & 6 exams. Topics include: neutralization and metals removal, membrane filtration, ion exchange, reverse osmosis and associated O&M and math calculations for industrial wastewater treatment. Individuals **must** take the Basic Industrial Wastewater Treatment course as a prerequisite.

<b><i>DATES OFFERED</i></b>	
Monday and Tuesday, November 15-16, 2010	
<b>LOCATION</b>	<b>TIME</b>
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.
<b>COST</b>	
<b>Description</b>	<b>MWPCA Member / Non-member</b>
Course Only	\$ 150.00 / \$ 180.00
Late fee (if not received by 11/8/2010)	\$15
<b>Instructor:</b> Don Kennedy, NEIWPC	TCHs: 12

## OPERATION AND MAINTENANCE OF CENTRIFUGAL PUMPS\*\*

This 3-day course is a thorough introduction to centrifugal pumps and covers the following topics:

- Pump Types
- Parts of Pumps
- How They Work
- Operation Adjustments & Packing
- Mechanical Seals
- Bearings
- Troubleshooting
- Tear Down
- Repair & Parts Replacement
- Reading & Using Pump Curves
- Power Calculations
- Motors & Couplings

Actual pumps and parts are used in class. Most of the topic discussions are accompanied by visuals of actual pump situations. Many common misunderstandings will be cleared up.

**Text:** Pumps and Pumping, Skeet Arasmith, ACR Publications  
(purchase of this book is **strongly** recommended)

<i><b>DATES OFFERED</b></i>		
Wednesdays, December 1, 8, and Friday, December 10, 2010		
LOCATION	TIME	
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.	
<b>COST</b>		
Description	MWPCA Member / Non-member	
Course Only	\$ 180.00	\$ 210.00
Course and Book*	\$ 225.00	\$ 255.00
Late fee (if not received by 11/24/2010)	\$15	
<b>Instructor:</b> Greg Kidd, NEWWTA		TCHs: 18

**\*Ordered books will be sent in advance of the course (at no additional cost).**

**\*\*This course has been approved by the Commonwealth of Massachusetts for Drinking Water Certification Renewal.**

## **NEIWPCC's Training Contact Hours Awarded**

Training Contact Hours (TCHs) will be awarded for courses and seminars held through NEIWPCC on an hour for hour basis as indicated by the stated start and finish times of the course or seminar minus 1 hour for lunch (which is assumed for any course or seminar scheduled to run through the normal lunch period).

**Example:** If you attend a one-day seminar scheduled from 8:30 a.m. to 3:30 p.m. you will be given credit for 6 TCHs as it includes an assumed 1-hour for lunch.

Courses or seminars that finish significantly earlier than expected will be credited for TCHs appropriate with the actual running time of the course or seminar.

One and two-day courses and seminars require full attendance by an individual to receive the TCHs for that course or seminar. Courses that are longer than two days may allow up to 1 day of non-attendance (absence) for the individual in order to still receive the TCHs accrued during that course. Individuals who do not fulfill these attendance requirements may not receive any TCHs for the course or seminar for which they are registered.

**Examples:** You attend 5 days of a 6-day course, you will receive TCHs for 5 days of the course. If you attend 4 days of a 6-day course, you will receive no TCHs for the course.

**It is entirely the responsibility of the individual receiving training through this office to make certain that their attendance meets the above minimum requirements if the TCHs for the course or seminar are important toward their wastewater license renewal.**

Documentation of TCHs earned will be provided by certificates issued either at the conclusion of the course/seminar or at the end of the semester in which the training occurred. Massachusetts licensed wastewater operators will also have their TCHs from NEIWPCC appear on their license renewal form. This will be the only documentation of TCHs that will be issued to individuals receiving training through this office. Requests for searches or additional printouts of our records cannot be honored due to the large volume of individuals registered for training through this office.

**At the June 2010 Massachusetts Training Advisory Committee meeting, a decision was made to pilot a new program with the two multi-week municipal courses listed on page 4 and 5. It was decided to make these two courses "Pass/Fail" courses. Students will be required to successfully complete regular quizzes and course work to "Pass" the course and qualify for Training Contact Hours.**



## **CERTIFICATION EXAM INFORMATION**

NEIWPCC is also responsible for the Massachusetts wastewater operator certification examinations. Beginning in July 2009, NEIWPCC, working with ABC and the Massachusetts Board of Certification, began offering an on-line version of the certification exams through AMP. **The last in person, paper certification exam was offered on November 21, 2009.** Certification examinations for Massachusetts operators are now **ONLY** offered on line at AMP testing locations. Presently there are 3 locations in Massachusetts as well as testing centers in RI, NH, and NY.

There are **NO PAPER/IN-PERSON EXAMS SCHEDULED FOR 2010.**

### **HOW TO SCHEDULE AN EXAM**

You no longer need to contact NEIWPCC in order to take an exam. Exams will only be administered at AMP testing centers and are by appointment only. A current list of AMP Assessment centers, including addresses and driving directions may be viewed at [www.goamp.com](http://www.goamp.com).

### **HOW TO OBTAIN A WASTEWATER LICENSE**

Once you have obtained a PASSING grade for the online exam, you must download the online exam license application form available at [www.neiwpcc.org/training/mwotexam.asp](http://www.neiwpcc.org/training/mwotexam.asp) and submit it to NEIWPCC with your PASSING exam results and license fee. NEIWPCC will then issue your new wastewater license.

**There is no need to contact NEIWPCC for non-passing exam results. You may schedule and re-take another on-line exam at your earliest convenience.**

### **RE-CERTIFICATION**

Operators active during the years 2008 through 2009 must obtain 20 training contact hours (TCHs) at some point during this 2-year period. Operators must keep copies of course documentation for their next renewal. A full audit will be conducted with your license renewal payment to ensure that operators have fulfilled the TCH requirement. Documentation requires certificate or letterhead stating name of course, course date, name of attendee, number of TCHs, FILE NUMBER from the Board of Certification of Wastewater Treatment Plant Operators, and certifying signatures. All courses and seminars must have direct application to the wastewater field.

**All TCH credits earned through NEIWPCC, NEWEA, or MWPCA are automatically provided on the wastewater operator's license renewal form.**

Courses, which are not pre-approved, are subject to evaluation and approval by the Board. Approval is based on review of course outline, instructional materials, name, address, and background of instructor, and an example of the program completion form or certificate. The provider must keep permanent records that document TCHs, approval of training, and attendance rosters.

Individuals who are unsure of the Board's acceptance of a vendor's TCH offering should request an evaluation form to be completed by the vendor. Evaluation forms can be downloaded from [www.mwpc.org](http://www.mwpc.org) under Request for TCH's. For questions about course acceptance, contact Tom Bienkiewicz, Board of Certification at (508) 767-2781.

### **The Fall 2010 NEIWPCC Course Catalog is Coming Soon!**



The Fall schedule of courses from NEIWPCC's Environmental Training Center will be out soon. The Environmental Training Center has courses ranging from O&M of Wastewater Collection Systems, Title 5 Technical Seminar, and computer classes. This catalog should appear in mid-August 2010. It can be downloaded from [www.neiwpcc.org/training/schedule.asp](http://www.neiwpcc.org/training/schedule.asp)

### WASTEWATER TREATMENT OPERATOR LICENSE STATUS

**When and If Status (W&I)** - an operator that has passed an exam, is not working in the field, and does not have experience as defined in 257 CMR 2.12(2). Operators with W&I status are not required to obtain the training contact hours (TCHs) but must pay the renewal fee. When W&I operators gain employment at a wastewater treatment facility and submit a status change form, the Board of Certification of Wastewater Treatment Plant Operators will change their status to Operator In Training (OT). From that point, operators must obtain TCHs.

**INACTIVE Operators** - (those who are not working in the field) with Operator In Training or Full status are not required to obtain the training contact hours but must pay the renewal fee. If an INACTIVE operator wants to become ACTIVE, the operator must obtain 10 TCHs and submit a change of status form to the Board of Wastewater Treatment Plant Operators. The operator then must obtain TCHs for the next renewal year.

**To Change Your Status From ACTIVE to INACTIVE** - you must file a completed change of status form with the Board of Certification of Wastewater Treatment Plant Operators. Operators must show they have no wastewater treatment field duties in that calendar year.

**To Change Your Status From An Operator In Training (OT)** - status to a Full status, you must file a completed change of status form with the Board of Certification of Wastewater Treatment Plant Operators. The operator must show specific job responsibilities performed in the wastewater treatment field that provided the experience.

**The Board of Certification of Wastewater Treatment Plant Operators** - will revoke the certification of an operator who fails to pay the renewal fee or fails to obtain the correct amount of training contact hours. Reinstatement following revocation shall be by written examination.

For more information on Change of Status forms, Training Contact Hours, or training opportunities, visit the Massachusetts Water Pollution Control Association (MWPCA) web site at [www.mwpc.org](http://www.mwpc.org) or contact the NEIWPCC Staff.

### NEW!

NEIWPCC has recently completed an on-line, searchable database for licensed Massachusetts wastewater treatment plant operators. The database includes the operator's name, home town, state, grade, status, certification number, and expiration date.

**The web site address is:** [www.neiwpcc2.org/wastewater/index.asp](http://www.neiwpcc2.org/wastewater/index.asp)

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FALL 2010 TRAINING SCHEDULE  
REGISTRATION FORM

⇒ MAKE COPIES OF THIS TWO-SIDED FORM FOR MULTIPLE NAMES

Please Read the Following Information

✂ PLEASE PRINT CLEARLY ✂

☺ Each registrant must fill out both sides of this form (1 name per form).

☺ Check# \_\_\_\_\_ (payable to "NEIWPC Training")

☺ PO # \_\_\_\_\_ (please attach a copy of purchase order)

Credit Card: (please check one) Visa  MasterCard  Discover

Credit Card Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_ Amount \$: \_\_\_\_\_

3-Digit Security Code (Visa only) found on back of card: \_\_\_\_\_

Signature (required): \_\_\_\_\_

☺ Registration Form with payment must be sent to:

NEIWPC – MA Training  
116 John Street  
Lowell, MA 01852-1124

☺ All registrations must be mailed and postmarked no later than seven days prior to the start of a course or review session to ensure proper processing of your registration. **Registrations received after this time will incur a \$15 late fee.**

☺ Confirmation of registration and directions to the training location will be mailed to each registrant.

☺ Seven days notice is required IN WRITING (mailed or faxed) for you to cancel at no cost. Cancellations received after this time will be charged \$25 for programs under \$100 and \$50 for programs over \$100. Registrants who do not cancel or fail to show are responsible for full payment.

☺ MWPCA Membership Forms are included in this Training Schedule, or visit the MWPCA website at [www.mwpc.org](http://www.mwpc.org) to download one.

☺ **New Policy!** There is a \$15.00 fee for checks returned due to insufficient funds.

Name: \_\_\_\_\_  
(first) (last)

Business Address: \_\_\_\_\_  
(employer: treatment plant or affiliation)

\_\_\_\_\_ (number) (street)

\_\_\_\_\_ (town/city) (state) (zip code)

( ) ( )  
(telephone number) (ext.) (fax number)

Email address: \_\_\_\_\_

Home Address: \_\_\_\_\_  
(number) (street)

\_\_\_\_\_ (town/city) (state) (zip code)

( ) ( )  
(telephone number) (fax number)

What address would you like your confirmation mailed to?

(please circle one) Business or Home


Are you a MWPCA Member? (please circle one) Yes or No

MWPCA Membership #: \_\_\_\_\_ (# is Required for discount)

Mass. WW License #: \_\_\_\_\_

TRAINING REGISTRATION FORM

**INSTRUCTIONS:** Please check courses selected and circle the appropriate fee(s) next to the offering(s) of your choice and enter the total cost at the bottom of the table. You must register at least 7 days in advance of the first day of the course. **Registrations received after this time will incur a \$15 late fee.**

FALL 2010 COURSES	✓	LOCATION	START DATE & TIME	MWPCA MEMBER	NON MEMBER	OFFICE USE ONLY
4-Day Basic Wastewater Math		Millbury	Thurs. 9/9 @ 8:30 a.m.	\$ 125.00	\$ 150.00	MA0346
Operation of Municipal Wastewater Treatment Plants (Grades 1-3), 6-Week Course, <i>(course only)</i>		Millbury	Thurs. 10/7 @ 8:30 a.m.	\$ 250.00	\$ 280.00	MA0347
Operation of Municipal Wastewater Treatment Plants (Grades 1-3), 6-Week Course, <i>(course &amp; books)</i>		Millbury	Thurs. 10/7 @ 8:30 a.m.	\$ 350.00	\$ 380.00	MA0347-B
Operation of Municipal Wastewater Treatment Plants (Grades 4-Up), 5-Week Course, <i>(course only)</i>		Millbury	Mon. 9/20 @ 8:30 a.m.	\$ 250.00	\$ 280.00	MA0348
Operation of Municipal Wastewater Treatment Plants (Grades 4-Up), 5-Week Course, <i>(course &amp; books)</i>		Millbury	Thurs. 9/20 @ 8:30 a.m.	\$ 350.00	\$ 380.00	MA0348-B
Basic Industrial Wastewater Treatment, 5-Week Course, <b>Session 1</b> <i>(course only)</i>		Millbury	Tues. 10/5 @ 8:30 a.m.	\$ 250.00	\$ 280.00	MA0349
Basic Industrial Wastewater Treatment, 5-Week Course, <b>Session 1</b> <i>(course &amp; book)</i>		Millbury	Tues. 10/5 @ 8:30 a.m.	\$ 300.00	\$ 330.00	MA0349-B
Basic Industrial Wastewater Treatment, 5-Week Course, <b>Session 2</b> <i>(course only)</i>		Millbury	Weds. 10/27 @ 5:00 p.m.	\$ 250.00	\$ 280.00	MA0350
Basic Industrial Wastewater Treatment, 5-Week Course, <b>Session 2</b> <i>(course &amp; book)</i>		Millbury	Weds. 10/27 @ 8:30 a.m.	\$ 300.00	\$ 330.00	MA0350-B
NPDES Laboratory Course, 4-Week Course		Millbury	Fri. 10/15 @ 8:30 a.m.	\$ 250.00	\$ 280.00	MA0351
Intermediate Industrial Waste Treatment, 2-Day Course		Millbury	Mon. 11/15 @ 8:30 a.m.	\$ 150.00	\$ 180.00	MA0352
Operation & Maintenance of Centrifugal Pumps, 3-Week Course <i>(course only)</i>		Millbury	Weds. 12/1 @ 8:30 a.m.	\$ 180.00	\$ 210.00	MA0353
Operation & Maintenance of Centrifugal Pumps, 3-Week Course <i>(course &amp; book)</i>		Millbury	Weds. 12/1 @ 8:30 a.m.	\$ 225.00	\$ 255.00	MA0353-B
<b>TOTAL</b>  <b>\$</b>						

**\*Remember to enclose a separate check payable to MWPCA if you'd like to join MWPCA today and immediately receive member benefits.**

## MWPCA MEMBERSHIP

The Massachusetts Water Pollution Control Association is a non-profit organization established in 1965 by wastewater treatment plant operators. The Association was formed to make available education and promote the exchange of information among its members so they can be made more knowledgeable and effective in providing excellent water quality throughout Massachusetts. The Massachusetts Water Pollution Control Association represents over 750 professionals and 129 Publicly owned wastewater treatment facilities throughout the State.

Throughout the years the MWPCA has grown considerably in its membership and now includes many individuals from publicly owned wastewater treatment facilities, private industrial facilities, engineering firms and students.

### SERVICES OFFERED BY THE MWPCA

**Training:** The MWPCA in conjunction with the State DEP and NEIWPC at the Upper Blackstone Millbury Training Center offers numerous courses and seminars each year in the wastewater field at reduced cost to its members. The Center also offers reference materials including training videos which are loaned out to members free of charge.

**Jobs:** The MWPCA sponsors an "Operators Job Hotline" which operators can access online at <http://www.MWPCA.org> for current job opportunities. Also MWPCA membership listings are made available to public and private firms on request.

**Recognition:** The MWPCA yearly recognizes outstanding members and wastewater treatment plants by presenting a variety of awards and certificates. Each year treatment plants can recognize their talented staff by taking part in the NEWEA-based "Operations Challenge" and MWPCA's "Water Quality Awareness Week".

**Information Exchange:** The MWPCA sponsors four Quarterly Meetings and other special meetings each year to give its membership further educational and instructional opportunities. A yearly trade fair is held to show new technologies in the wastewater field to all wastewater personnel. A quarterly newsletter is mailed to all its members to keep them informed of new MWPCA updates.

Once a year a MWPCA member is chosen to represent the state and partake in a three day "Operator Exchange" by visiting other WWTP's in another New England state.

**Legislation:** The MWPCA is continually working on promoting sound legislation relating to operations, maintenance and personnel of wastewater treatment facilities. The MWPCA also works with State and Federal regulatory agencies to help achieve and maintain water quality standards.

### MWPCA IS MAKING A DIFFERENCE!

### JOIN US IN ACHIEVING WATER QUALITY EXCELLENCE.

***NEIWPC now offers you the opportunity to join MWPCA when registering for a class. This convenience is offered only to those registering for a NEIWPC course. All others should send their application to the address on the application.***

***Fill out the attached MWPCA application form and include it, with a separate check made out to MWPCA, with your registration form. Checks for MWPCA membership must be made out to MWPCA for the membership fee. Do not include membership fees with your class registration fee.***



MASSACHUSETTS WATER POLLUTION CONTROL ASSOCIATION, INC.

APPLICATION FOR MEMBERSHIP
Membership Period: July 1st – June 30th

1) PERSONAL INFORMATION:

MEMBERSHIP FEE: \$40.00

State Certification # \_\_\_\_\_

First Name: \_\_\_\_\_ M.I. \_\_\_\_\_ Last Name: \_\_\_\_\_

Street: \_\_\_\_\_

City/Town: \_\_\_\_\_ State \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone #: \_\_\_\_\_ E-Mail: \_\_\_\_\_

[ ] Please check here if you are renewing. MWPCA ID # \_\_\_\_\_

2) EMPLOYMENT INFORMATION:

a) Professional Information:

Your Title: \_\_\_\_\_ Certification Grade: \_\_\_\_\_ State: \_\_\_\_\_

Position Class:

- Operator (OP): [ ] Chief Operator/Superintendent (CO): [ ]
Laboratory (LB): [ ] Collection System (CS): [ ] Maintenance (MN): [ ]
Vendor/Consultant (VN): [ ] Regulatory Agency (RA): [ ] Other (OT): [ ]

b) Facility/Company Information:

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

Street: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

3) Please send your completed Application for Membership Form and check (made payable to M.W.P.C.A.) to:\*

Massachusetts Water Pollution Control Association, Inc.
PO Box 221
Groveland, MA 01834

\*If registering for NEIWPCC class, you can send application and check to NEIWPCC, but must be made payable to MWPCA.

Active Membership Dues: \$40.00.

Questions: Please contact MWPCA at 781-939-0918 or John Connor at 978-374-0170



## Massachusetts Wastewater Management Training Program

The Massachusetts Department of Environmental Protection, Massachusetts Water Pollution Control Association and the New England Interstate Water Pollution Control Commission are planning to initiate a **Wastewater Management Training Program** this fall. This 12 month program is designed to provide students instruction on the basic skills and knowledge necessary for managing a wastewater facility.

The Program is open to current Massachusetts Grade 4 or higher licensed municipal operators who are employed at a Massachusetts wastewater treatment facility or current Massachusetts wastewater managers who wish to improve their knowledge and skills. The program will be limited to 20 candidates.

**Program Details:** The Wastewater Management Training Program will begin on September 15, 2010 and will continue on the 3<sup>rd</sup> Wednesday of each month. The classroom sessions will rotate between the Millbury Training Center and the Amherst Wastewater Treatment Facility. Topics include:

**September** - Introduction to WWTP Management

**March** - Finance & Budgeting

**October** - NPDES Permitting & State regulations

**April** - Communication/Public Relations

**November** - Performance management

**May** - Advanced Process Control

**December** - Computer Use in Utilities

**June** - Collection systems & Pretreatment

**January** - Lab & maintenance management

**July** - Health & Safety & OSHA regulations

**February** - Engineering Basics & Asset Management

**August** - Job Shadowing

As part of the Massachusetts Management Training Program students will also complete the Office of Water Programs, California State University- Sacramento Course "Manage for Success – Effective Utility Leadership practices".

**Program Costs:** The cost of the program is \$500. This cost includes lunch and all handout material. NEWEA members accepted to the program may apply for the Kowsz scholarship to offset cost.

**Program Application & Selection Process:** Attached is an application for the Program. Candidates can be nominated by their superintendents or self-nominated. Pertinent work experience and education should be included. Students and their WWTP need to make a firm commitment to attend each of the monthly sessions. Applications need to be submitted by August 15. Selection of the candidates will be made by members of the Program Oversight Committee which are comprised of representatives from MWPCA, MADEP & NEIWPCC. For more information, go to [www.neiwpcc.org/training/mwmgmtprogram.asp](http://www.neiwpcc.org/training/mwmgmtprogram.asp) or contact James LaLiberte at (978) 323 7929.

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**Registration for MA Wastewater Management Training Program**

Candidate Name: \_\_\_\_\_ WW Operator Number: \_\_\_\_\_ Grade: \_\_\_\_\_  
Company/Facility: \_\_\_\_\_ Facility Grade: \_\_\_\_\_  
Street: \_\_\_\_\_  
City/Town: \_\_\_\_\_ State : \_\_\_\_\_ Zip: \_\_\_\_\_  
Telephone: (day) \_\_\_\_\_ (night) \_\_\_\_\_ Fax: \_\_\_\_\_  
Candidate's E-mail: \_\_\_\_\_ MWPCA Member #: \_\_\_\_\_

Give the candidates job history information. (attach resume)

With a special emphasis on why you believe the nominated individual has the potential to become a manager or superintendent in the future, describe the candidate's skills & knowledge?

If self-nominating, please explain why?

Describe how the candidate enthusiastically expresses an interest in all aspects of wastewater treatment. Does he/she exhibit a sense of pride with their profession?

Note: Use extra pages if necessary

Sponsored by NEIWPC, MA DEP, and MWPCA



