

SPRING 2017 TRAINING SCHEDULE

Massachusetts Wastewater Operator Training (MWOT)

WASTEWATER TREATMENT COURSES

The New England Interstate Water Pollution Control Commission (NEIWPCC) in conjunction with the Massachusetts Department of Environmental Protection (MassDEP) and the Massachusetts Water Pollution Control Association (MWPCA) is offering the Spring 2017 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 20 and 21 for details.

Websites

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

Online registration available for MWOT courses (credit cards only) at:
<http://www.neiwpcc.org/training/calendar.asp>

www.neiwpcc.org/training/mwot.asp

www.mwpc.org

NEIWPCC

Wannalancit Mills

650 Suffolk Street, Suite 410

Lowell, MA 01854

Attention: Massachusetts Training

Telephone: (978) 323-7929

Fax: (978) 323-7919

E-mail: training@neiwpcc.org

CONTENTS & LISTING OF COURSES



Recommended Preparation for a WWTP License Examination	Page 3
Recommended Courses from NEIWPCC and MWPCA	Page 4
Basic Wastewater Math, 3-Session Course	Page 5
Basic Operation of Municipal Wastewater Treatment Plants (Grades 1M-2M), 6-Session Course (2 Options)	Page 6
Intermediate Operation of Municipal Wastewater Treatment Plants (Grades 3M-4M), 3-Session Course	Page 7
Advanced Operation of Municipal Wastewater Treatment Plants (Grades 5C-6C), 4-Session Course	Page 8
Basic Industrial Wastewater Treatment (Grades 1I-2I), 5-Session Course	Page 9
Advanced Industrial Wastewater Treatment (Grades 3I-4I), 4-Session Course	Page 10
Basic Wastewater Laboratory, 4-Session Course	Page 11
Wastewater Pumps & Hydraulics, 2-Day Course	Page 12
Basic Math Review for Wastewater Operators	Page 13
Municipal Wastewater Operation Review	Page 13
Review for Industrial Certification Exams (Grades 1I, 2I, 5C & 6C)	Page 14
Advanced Math Review for Municipal Wastewater Operators	Page 14
2017 Massachusetts Wastewater Management Training Program	Page 15
Training Contact Hour Policy	Page 16
Certification Information	Page 17
Wastewater Treatment Operator License Status and Online Database	Page 18
Registration Form	Page 19
MWPCA Membership Application Form	Page 20-21

Training Consortium Coordinates Massachusetts Wastewater Operator Training Program

Since 2005 the New England Interstate Water Pollution Control Commission (NEIWPCC) has coordinated the state's Wastewater Operator Training Program with the assistance of the Massachusetts Water Pollution Control Association (MWPCA), the New England Water Environment Association (NEWEA), the Massachusetts Rural Water Association (MassRWA), and others.

NEIWPCC's role also includes the coordination of the Massachusetts operator certification program. NEIWPCC's role consists of processing applications for certificates of those who have passed the certification exam; and the coordination of license renewals every two years. *As of July 2007, NEIWPCC also leads the certification program in conjunction with the Massachusetts 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 or visit our website at www.neiwpc.org/training/mwot.asp. For Certification issues, contact Paul Spina directly at (978) 349-2516.

GENERAL REGISTRATION INFORMATION

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

(1) Prepaid and accompanied by the appropriate Registration Form (page 19) and

(2) Mailed to:

NEIWPCC – MA TRAINING
WANNALANCIT MILLS
650 SUFFOLK STREET, SUITE 410
LOWELL, MA 01854

Checks or money orders should be made payable to "NEIWPCC Training". Purchase orders and credit cards (MasterCard/Visa/Discover) are also accepted. **NEIWPCC now offers online registration (credit cards ONLY) at www.neiwpc.org/training/calendar.asp.** Full payment must be received for any NEIWPCC training program in order for the TCH's to be officially awarded and forwarded to the appropriate state agency. 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

Please register early since space may be limited. **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.

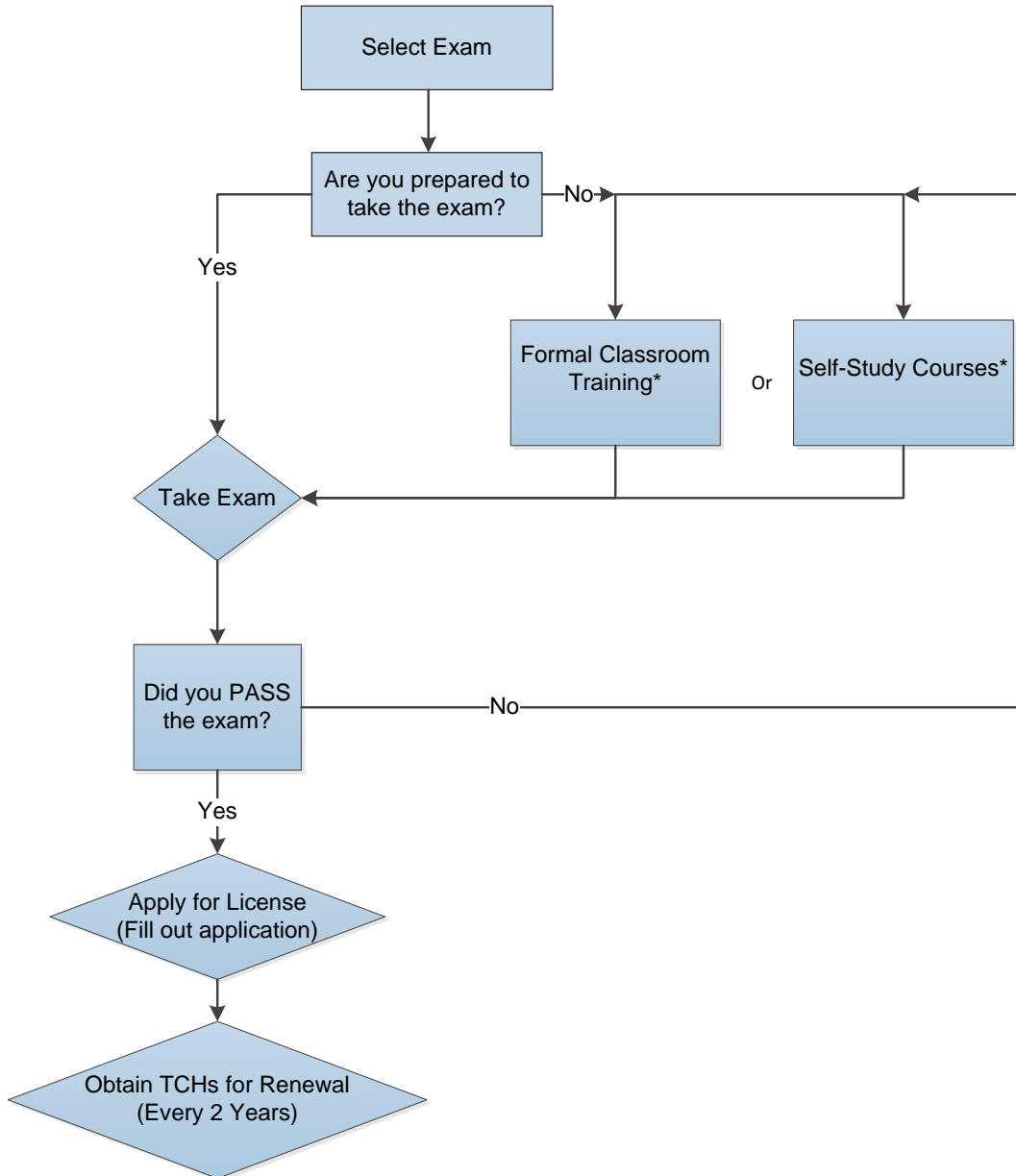
CANCELLATION/REFUND POLICY

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.



RECOMMENDED PREPARATION FOR A WWTP OPERATOR'S LICENSE EXAMINATION -

Recommended Preparation for
a WWTP Operator's License Examination



Note: This flow chart was developed by the Massachusetts Board of Certification of Wastewater Treatment Plant Operators in conjunction with the Massachusetts Training Advisory Committee (TAC).



RECOMMENDED COURSES FROM NEIWPC AND MWPCA

MUNICIPAL LICENSES

Grades 1M-2M:

- Basic Operation of Municipal WWTP (6 Sessions) - 2 Locations*
- Basic Wastewater Math (3 Sessions)
- Basic Wastewater Laboratory Procedures (4 Sessions)

Grades 3M-4M:

- Intermediate Operation of Municipal WWTP (3 Sessions)
- Basic Math Review for Operators
- Municipal Wastewater Operation Review
- Process Control Laboratory

Grades 5C-6C:

- Advanced Operation of Municipal WWTP (3 Sessions)
- Advanced Math Review for Operators
- Review for Industrial Certification Exams (Grades 1I-2I)
- Mass. Wastewater Management Program
- Advanced Pump Course

INDUSTRIAL LICENSES

Grades 1I-2I:

- Basic Industrial WWT (5 Sessions)
- Review for Industrial Certification Exams (Grades 1I-2I)

Grades 3I-4I:

- Advanced Industrial WWT (3 Sessions)

TYPICAL SELF-STUDY COURSES

- University of California Sacramento Course
- CEUPlan.com
- RoyCEU.com
- Skillworks
- WEF Online

For information on how to become a wastewater treatment plant operator in Massachusetts, please view our short webinar, [Becoming a Certified Wastewater Operator in Massachusetts](#) (the slides in this webinar may be viewed separately [here](#)).

BASIC WASTEWATER MATH, 3-SESSION COURSE



Bring your calculator to each class!

This 3-session basic wastewater math course 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 certification exams in Municipal Wastewater Treatment and Industrial Wastewater Treatment. **This course is designed for Grades 1-4.**

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.

NOTE: The ability to perform wastewater calculations is key to passing a certification exam and performing process control calculations for proper plant operation. This course is strongly recommended for those who struggle with math or have not used in a long time.

<i>DATES OFFERED</i>		
Wednesdays, March 15, 22, and 29, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 2:30 p.m.	
<i>COST</i>		
Description	MWPCA Member / Non-member	
Course Only	\$ 220.00	\$ 245.00
Late fee (if not received by 3/8/2017)	\$15.00	
Instructor: James LaLiberte, NEIWPC		TCHs: 15

Attention Wastewater Operators:

2017 is a license renewal year. All active wastewater operators must provide proof of 20 TCHs during the period January 1, 2016 to December 31, 2017.

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

Please Note: Beginning with this renewal cycle (2016-2017), no more than 50% of the TCHs required for renewal can be safety-related.

BASIC OPERATION OF MUNICIPAL WASTEWATER TREATMENT PLANTS
(GRADES 1M – 2M), 6-SESSION COURSE (2 Options)

Bring your calculator to each class! 

This 6-session 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 Wastewater Grades 1M & 2M** certification exams.

The **BASIC WASTEWATER MATH, 3-SESSION COURSE** (see page 5) is *strongly recommended* 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. Regulations. Operator Responsibilities. Wastewater Sources and Characteristics. Preliminary Treatment – Objectives and Equipment.
- Week 2: Primary Treatment – Objectives and Equipment. Sludge & Scum Removal. Secondary Treatment. Trickling Filters. RBC’s. Math Review
- Week 3: Activated Sludge. Secondary Clarification. Math Review.
- Week 4: Disinfection. Advanced Treatment. Math Review
- Week 5: Introduction to Pumps, Electricity, Instrumentation. Safety. Math Review.
- Week 6: Sludge/Residuals. Thickening/Conditioning/Dewatering. Laboratory. Practice Exam.

The Massachusetts Training Advisory Committee now requires all municipal courses to be “Pass/Fail”. 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, 7th Edition
 And
 Sacramento, Operation of Wastewater Treatment Plants, Volume II, 7th Edition

DATES OFFERED			
<i>Option 1:</i> Tuesdays, April 4, 11, 18, 25 and May 2 and 9, 2017			
LOCATION	TIME	COURSE #	
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.		
COST			
Description	MWPCA Member / Non-member		
Course Only	\$ 370.00	\$ 400.00	MA0559
Course and Book*	\$ 490.00	\$ 520.00	MA0559-B
Late fee (if not received by 3/28/2017)	\$15.00		
Instructor: James LaLiberte, NEIWPCC		TCHs: 36 (upon successful completion of course)	
DATES OFFERED			
<i>Option 2:</i> Tuesdays, May 16, 23, 30 and June 6, 13 and 20, 2017			
LOCATION	TIME	COURSE #	
Russell F. Tennant WWTF, Attleboro, MA	8:30 a.m. to 3:30 p.m.		
COST			
Description	MWPCA Member / Non-member		
Course Only	\$ 370.00	\$ 400.00	MA0560
Course and Book*	\$ 490.00	\$ 520.00	MA0560-B
Late fee (if not received by 5/9/2017)	\$15.00		
Instructor: Thomas Bienkiewicz, MassDEP, Retired		TCHs: 36 (upon successful completion of course)	

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

**INTERMEDIATE OPERATION OF MUNICIPAL WASTEWATER
TREATMENT PLANTS
(GRADES 3M - 4M), 3-SESSION COURSE**



Bring your calculator to each class!

This 3-session course has been designed to provide students with a deeper understanding of the operation of wastewater treatment plants. This training will assist students in preparation for the **Massachusetts Municipal Wastewater Grades 3M or 4M** certification exams.

Students taking this course must have completed the “Basic Operation of Municipal Wastewater Treatment Plants, Grades 1M-2M” course or have a current wastewater treatment operator certificate and the ability to perform basic wastewater math.

The Massachusetts Training Advisory Committee now requires all municipal courses to be “Pass/Fail”. 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:

Session 1: Basic Municipal Wastewater Review.

Session 2: Activated Sludge & Microbiology. Activated Sludge Process Control.

Session 3: Solids handling, Laboratory management. Pumps & Equipment.

The following textbook will be used in this course:

Text: Sacramento, Operation of Wastewater Treatment Plants Volume II, 7th Edition

<i>DATES OFFERED</i>		
Wednesdays, May 31, and June 7 and 14, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$220	\$245
Course and Book*	\$280	\$305
Late fee (if not received by 5/24/2017)	\$15.00	
Instructor: James LaLiberte, NEIWPC		TCHs: 18 (upon successful completion of course)

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

****NOTE:** Students enrolled in this program may enroll in the *Advanced Math Review for Wastewater Operators* at a reduced price (See page 14). Past students have benefitted from this opportunity to review the topics needed to prepare for the Grade 3-4M exams. Specific areas of concern may be addressed at the Review Session.

**ADVANCED OPERATION OF MUNICIPAL WASTEWATER
TREATMENT PLANTS (GRADES 5C – 6C)
4-SESSION COURSE**



Bring your calculator to each class!

This 4-session course is designed to assist students preparing to take the **Massachusetts Municipal Wastewater Grade 5 or 6 Combined** certification exams. It deals with advanced process control, nutrient removal and other advanced topics.

*Students taking this course **must** have completed the “Intermediate Operation of Municipal Wastewater Treatment Plants, Grades 3M-4M” course or have a current Grade 4 wastewater treatment operator certificate.*

The Massachusetts Training Advisory Committee now requires all municipal courses to be “Pass/Fail”. Students will be required to successfully complete regular quizzes and course work to “Pass” the course and qualify for Training Contact Hours.

**The following textbook will be used in this course:
Text: Sacramento, *Advanced Wastewater Treatment*, 5th Edition**

<i>DATES OFFERED</i>		
Mondays, January 30, February 6, 13 and Tuesday, February 21, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$325	\$350
Course and Book*	\$385	\$410
Late fee (if not received by 1/23/2017)	\$15.00	
Instructor: Douglas Borgatti, PhD, PE, BCEE TCHs: 24 (upon successful completion of course)		

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

****NOTE:** Students enrolled in this program may enroll in the *Advanced Math Review for Wastewater Operators* at a reduced price (See page 14). Past students have benefitted from this opportunity to review the topics needed to prepare for the Grade 5-6C exams. Specific areas of concern may be addressed at the Review Session.

BASIC INDUSTRIAL WASTEWATER TREATMENT
(Grades 1I – 2I), 5-SESSION COURSE



Bring your calculator to class!

This 5-session course is designed for those individuals who need a **basic understanding of industrial wastewater treatment** suitable for 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.

The **BASIC WASTEWATER MATH, 3-SESSION COURSE** (see page 5) is *strongly recommended* for students that need a review of basic math operations.

This course will cover:

- Basic chemistry/Basic wastewater chemistry
- Metal finishing processing
- Chemical feed systems/chemical handling
- pH adjustments/neutralization
- Coagulation/flocculation/clarification
- Chromium treatment
- Complexes and chelants
- Sludge dewatering
- Wastewater characteristics
- Regulation and monitoring
- Equalization
- Metal hydroxide precipitation
- Red-ox chemistry
- Cyanide treatment
- Other metal precipitation
- Granular media filtration

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

<i>DATES OFFERED</i>			
Wednesdays, April 5, 12, 19, 26 and May 3, 2017			
LOCATION	TIME	COURSE #	
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.		
COST			
Description	MWPCA Member / Non-member		
Course Only	\$ 340.00	\$ 370.00	MA0563
Course and Book*	\$ 400.00	\$ 430.00	MA0563-B
Late fee (if not received by 3/29/2017)	\$15.00		
Instructor: James LaLiberte, NEIWPCC		TCHs: 30	

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

ADVANCED INDUSTRIAL WASTEWATER TREATMENT
(GRADES 3I – 4I), 3-SESSION COURSE



Bring your calculator to class!

This three-session course has been designed for individuals taking the Industrial Grades 3I & 4I certification exams.

Topics include:

- Neutralization and metals removal
- Ion exchange
- Math calculations for industrial wastewater treatment
- Membrane filtration
- Reverse osmosis and associated O&M

Individuals **must** take the *Basic Industrial Wastewater Treatment* course or hold an industrial wastewater certificate as a prerequisite.

<i>DATES OFFERED</i>		
Wednesdays, May 10, 17 and 24, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$ 220.00	\$ 245.00
Late fee (if not received by 5/3/2017)	\$15.00	
Instructor: Don Kennedy, NEIWPCC		TCHs: 18

BASIC WASTEWATER LABORATORY
4-SESSION COURSE

This 4-session course is designed to provide an in-depth examination and hands-on demonstration of laboratory tests that are required for NPDES compliance. Approved methods, proper procedures and techniques used in wastewater laboratory analyses will be discussed. Sampling, laboratory practices, and quality assurance will be addressed with specific regard to BOD, DO, pH, solids and coliform analyses.

Learning Objectives:

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

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



Note: Registration is limited to 25 students per session; make sure to register early!

<i>DATES OFFERED</i>		
Thursdays, April 6, 20, 27 and May 4, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 2:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$ 325.00	\$ 350.00
Late fee (if not received by 3/30/2017)	\$15.00	
Instructor: Nora Lough, Narragansett Bay Commission		TCHs: 20

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

Please Note:

NEIWPCC reserves the right to postpone, reschedule, or cancel courses as attendance dictates.

NEIWPCC TCH Policy: 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.

WASTEWATER PUMPS & HYDRAULICS,
2-DAY COURSE**



Bring your calculator to each class!

This 2-day course covers the operation, maintenance and hydraulic principals of centrifugal pumps.

Topics covered include:

- Pump Types
- Theory of Operation
- Reading & Using Pump Curves
- Parts of Pumps
- Pump Packing & Adjustments
- Mechanical Seal Failures
- Operational Troubleshooting
- Bearings & Coupling Maintenance
- Motor Principles of Operation
- Horsepower & Electrical Power Calculations

Pump parts are used to demonstrate principals of operation and hydraulic characteristics.

The following textbook will be used in this course:
Text: Pumps and Pumping, Skeet Arasmith, ACR Publications
(purchase of this book is strongly recommended)

<i>DATES OFFERED</i>		
Tuesday & Wednesday, June 20 and 21, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$ 175.00	\$ 190.00
Course and Book*	\$ 245.00	\$ 260.00
Late fee (if not received by 6/13/2017)	\$15.00	
Instructor: Don Kennedy, NEIWPCC		TCHs: 12

***Ordered book 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.**

BASIC MATH REVIEW FOR WASTEWATER OPERATORS

This class has been designed to assist students who need to refresh their basic math skills and review the math required in wastewater treatment. The instructor will review the formulas presented on the ABC Formula Sheet and will cover the principles of test taking. Problem solving involving the use of conversion factors and calculating Volume, Flow, Dosage, etc. will be addressed. This course is designed to help those taking certification exams.

<i>DATE OFFERED</i>		
Tuesday, May 23, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 2:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$ 120.00	\$ 135.00
Late fee (if not received by 5/16/2017)	\$15.00	
Instructor: James LaLiberte, NEIWPCC		TCHs: 5

MUNICIPAL WASTEWATER OPERATION REVIEW

If you've had difficulty passing your municipal exam, this one-day class may help fill in the gaps. While providing a review of wastewater treatment principles, this class also provides an opportunity for participants to request more in-depth coverage of specific topics. A combination of lecture and quizzes will be used to freshen participant's knowledge of wastewater treatment. It is open to those who have struggled with Grade 1M through 4M exams.

<i>DATE OFFERED</i>		
Thursday, June 1, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$ 120.00	\$ 135.00
Late fee (if not received by 5/25/2017)	\$15.00	
Instructor: James LaLiberte, NEIWPCC		TCHs: 6

**REVIEW FOR INDUSTRIAL GRADES 11-21 OPERATOR CERTIFICATION
EXAMS AND INDUSTRIAL PORTIONS OF
GRADES 5C & 6C**

This one-day program provides a review of the topics covered in the Grades 1 and 2 Industrial certification exam and the Industrial segments of the Combined Grades 5 & 6 exams.

Topics include:

- Preliminary treatment
- Solids handling
- Metals removal
- Equipment
- Coagulation/flocculation
- Carbon adsorption
- Pumps

<i>DATE OFFERED</i>		
Tuesday, June 6, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 3:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$ 120.00	\$ 135.00
Late fee (if not received by 5/29/2017)	\$15.00	
Instructor: James LaLiberte, NEIWPC		TCHs: 6

**ADVANCED MATH REVIEW FOR MUNICIPAL WASTEWATER TREATMENT
OPERATORS**

This class is designed to assist students who are proficient at basic wastewater math but struggle with process control calculations such as Food/Microorganism, Mean Cell Residence Time, Wasting Rates, Solution Mixtures, etc. The instructor will review the formulas presented on the ABC Formula Sheet along with example problems. A step-by-step approach to problem solving will be presented. This course may be of help to those taking higher level exams.

<i>DATE OFFERED</i>		
Thursday, June 15, 2017		
LOCATION	TIME	COURSE #
Richard Alden Training Facility, Millbury, MA	8:30 a.m. to 2:30 p.m.	
COST		
Description	MWPCA Member / Non-member	
Course Only	\$ 120.00	\$ 135.00
If enrolled in Spring 2017 <i>Intermediate OR Advanced Operation of Municipal Wastewater Treatment Plants</i> class(es)	\$ 70.00	\$ 85.00
Late fee (if not received by 6/8/2017)	\$15.00	
Instructor: James LaLiberte, NEIWPC		TCHs: 5

2017 MASSACHUSETTS WASTEWATER MANAGEMENT TRAINING PROGRAM

The Massachusetts Wastewater Management Training Program, sponsored by the New England Interstate Water Pollution Control Commission will begin a new session in 2017. This one-year management training program has been revamped and is designed to develop essential skills to propel candidates into management positions.

As an increasing number of operators approach retirement, this program is constructed to ensure the next generation of operators is prepared to fill these managerial positions across the state. NEIWPCC encourages all wastewater operators interested in furthering their careers and one day assuming a management or superintendent position to apply to the management program.

The classes for the Management Training Program are anticipated to begin in March 2017. The program will be based on the successful management training programs that NEIWPCC has been involved with in Maine, Rhode Island, and Connecticut. Participants will meet once a month for twelve months, addressing a new topic each month.

The program requires that participants, with the support of their facilities, make firm commitments to attend each of the twelve monthly meetings. Attendance at each class is mandatory in order to complete the program. The program will total approximately 72 training contact hours.

Most sessions will be held at the Richard Alden Training Facility in Millbury, Mass. Some sessions may be held at other locations throughout the state. Program curriculum is designed to give candidates exposure to all facets of management. A blend of existing NEIWPCC courses combined with specially designed courses utilizing experts from the field will provide participants with the “real world” skills necessary to be successful.

NEIWPCC is encouraged by the turnout for the 2017 Massachusetts Wastewater Management Training Program. The new and improved program will give our operators a competitive advantage when management positions become available.

Those interested in improving their skill sets and taking that next step in their careers should keep an eye out for more information in the future for the next class. For more information, questions, or concerns please contact Ben Smith of NEIWPCC at bsmith@neiwpc.org or 978-349-2524.

To apply, head to:

<http://neiwpc.org/training/training-docs/ManagementCandidateApplication.pdf>

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.

The Massachusetts Training Advisory Committee now requires all municipal courses (pages 6, 7 and 8) to be "Pass/Fail". 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. Certification examinations for Massachusetts operators are now offered on line at AMP testing locations. Presently there are 3 locations in Massachusetts as well as testing centers in RI, NH, and NY. A demonstration of the online testing can be found on our website at: www.neiwpcc.org/training/mwotexam.asp.

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.

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 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 2016 through 2017 must obtain 20 training contact hours (TCHs) at some point during this 2-year period. ***Please Note: No more than 50% of the TCHs required for renewal can be safety-related.*** 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.

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.neiwpcc.org/training/mwot.asp or www.mwpc.org under Request for TCH's. For questions about course acceptance, contact John Murphy, Board of Certification at (617) 292-5867.

The Spring 2017 NEIWPCC Course Schedule is Coming Soon!



The Spring schedule of courses from NEIWPCC's Environmental Training Center will be out soon. The Environmental Training Center will include all of the courses listed in this schedule as well as courses ranging from Care of Emergency Generators and Storm Resiliency Training classes all over New England. This catalog should appear in mid/late January 2017. It can be downloaded from 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 New England Interstate Water Pollution Control Commission (NEIWPCC) web site at www.neiwpcc.org or the Massachusetts Water Pollution Control Association (MWPCA) web site at www.mwpc.org or contact the NEIWPCC Staff.

GO ON-LINE!

NEIWPCC maintains 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:

<http://www.neiwpcc.org/wastewater/search.asp>

MWOT Course Registration Form

Course Title _____

Course Number _____ (use one form per course)

Name (Please print clearly) _____

Wastewater License # _____ State _____

Company/Facility _____

Address _____

City _____ State _____ Zip _____

Telephone _____ Fax _____

**Emergency Contact Phone Number (cell or home)
(in case of class cancellation/instructor illness, etc.)* _____

Email: _____




Are you a MWPCA Member? (✓ please check) Yes No

MWPCA Member # _____ (# is required for discount and will be verified)

Indicate Method of Payment

Amount Enclosed \$ _____

Check # _____ P.O.# _____ Cash \$ _____

Credit Card: (✓ please check)   

Credit Card # _____ Expiration Date: _____

3-Digit CVV/CVC Code: _____ (required for all credit cards)

Cardholder Name: _____

Signature (required): _____

Date: _____

Mail form and payment to:
 NEIWPCC – Training, Wannalancit Mills, 650 Suffolk Street, Suite 410,
 Lowell, MA 01854 **OR fax with a purchase order to (978) 323-7919.**
Registrations cannot be completed over the phone. Hard copies must be mailed or faxed.

Please call (978) 323-7929 or email (training@neiwpcc.org) with questions or requests for assistance.

PLEASE NOTE: Enrollment is on a first-come, first-served basis, so please return your application as soon as possible. We appreciate your taking time to notify us if you cannot attend a course for which you have registered. This makes a big difference to someone else who requires the training. **THANK YOU!**

- **Checks/Money Orders:** Should be made payable to “NEIWPCC – Training”. Note New Policy: **\$15.00 fee for checks returned** due to insufficient funds.
- **Registration Deadline:** You must register at least seven days in advance of the first day of the course. Registrations after this time will incur a \$15 late fee.
- **Cancellations/No Shows:** 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 \$125 and \$50 for programs over \$125. Registrants who do not cancel and who fail to show are responsible for full payment.
- **Credits:** One and two-day courses require full attendance by an individual to receive the TCHs for the course. Courses that are longer than two-days may allow up to one day of non-attendance (absence) for the individual in order to still receive the TCHs accrued during the course. Individuals who do not fulfill these attendance requirements may not receive any TCHs for the course for which they are registered.
- **Use one form per course.** Photocopy this page to apply for multiple courses.
- **NEIWPCC reserves the right to postpone, reschedule or cancel any course as attendance dictates.**



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 NEIWPCC 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.

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.

NEIWPCC now offers you the opportunity to join MWPCA when registering for a class. This convenience is offered only to those registering for a NEIWPCC 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.
2017 - 2018 APPLICATION FOR MEMBERSHIP
Membership Period: July 1st. – June 30th

Membership Fee: \$40.00

1) Personal Information:

Please check here if you are renewing. MWPCA ID # _____

First Name: _____ M.I: _____ Last: _____

Street: _____

City/Town: _____ State: _____ Zip: _____

Telephone # _____ E-mail: _____

2) Employment Information:

Title: _____ Certification Grade: _____ State: _____ State Certification # _____

Company/Facility Name: _____

Street: _____

City: _____ State: _____ Zip: _____

Telephone # _____ E-mail: _____

Please provide the following information for placement or update in the MWPCA on-line directory.

Facility Name: _____

Municipality _____ or Corporation _____

Contact Person: _____ Title: _____

Mail Address: _____

Plant Address: _____

Telephone # _____ Fax #: _____

Email: (optional) _____ Website (optional) _____

Grade of facility _____ Design Flow _____ MGD

Degree of Treatment: _____ Primary, _____ Secondary, _____ Tertiary or Advanced _____ Collection, Other

Please send your completed Application for Membership and payment (made payable to MWPCA) to:

Massachusetts Water Pollution Control Association, Inc.

P.O. Box 60, Rochdale, MA 01542

Fax to : 774-670-9956

Email to: mwpc2011@yahoo.com

Questions: Please contact MWPCA - Lynn Foisy at 774-276-9722.

Revised 01/6/2016