

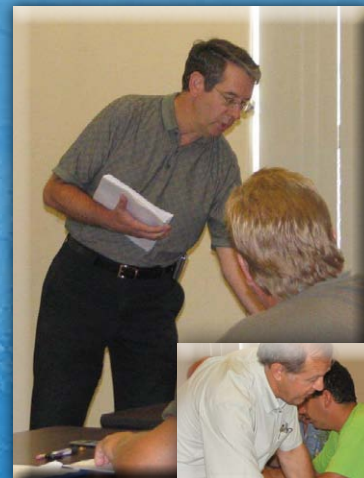


# Spring 2012 Course Catalog

February – June 2012

[www.neiwpc.org/training](http://www.neiwpc.org/training)

Training Environmental  
Professionals throughout  
New England and New York



**Connecticut**

Apr. 23 – May 21	Prep for Class III & IV Exams .....	Hartford .....	2
Apr. 24 – 25	Lab Procedures .....	Meriden .....	2
May 8 – 10	O&M of Collection Systems .....	Meriden .....	2
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**Maine**

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**Massachusetts**

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Apr. 10	Computer Use in Facilities .....	Millbury .....	6
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We are now incorporating the Massachusetts Wastewater Operator Training (MWOT) schedule into this catalog. MWOT course descriptions and details can be found on pages 8 and 9.

**New Hampshire**

May 2	New Collection System Requirements for MA and NH .....	Chelmsford, MA .....	11
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May 22	Troubleshooting the Sequencing Batch Reactor & Wastewater Pathogens .....	Concord .....	11
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**New York**

Mar. 1	Energy Savings .....	Sherrill .....	12
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Apr. 24 – 25	Hands-On Microbiology .....	Fishkill .....	12

**Rhode Island**

Feb. 6 – Apr. 16	Basic Wastewater Treatment Operation .....	So. Kingstown .....	13
Apr. 24 – 26	O&M of Collection Systems .....	So. Kingstown .....	13

**Vermont**

May 2 – 4	Municipal Review .....	Rutland .....	14
May 23 – 24	Hands-On Microbiology .....	Stowe .....	14

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## February – June 2012

Welcome to the Spring 2012 catalog of courses offered by the New England Interstate Water Pollution Control Commission. The offerings continue NEIWPCC's long tradition of providing a diverse range of courses in our member states—Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont.

For over 40 years, NEIWPCC's instructors have traveled throughout New England and New York State to teach new skills and introduce new technologies to environmental professionals. In this and every training season, our goal is to provide the specific training that is needed, and to do so at convenient locations and times. **All courses listed in the catalog are approved for wastewater license-renewal training contact hours in our member states. Select courses have also received state approval for drinking water certification training contact hours (see course descriptions).**

Within the catalog, courses are grouped by the state in which they are conducted; within each state's section, the courses are listed chronologically. We encourage you to browse through the listings and look at all the available options. The schedule on the facing page shows where to find specific course listings.

This edition includes the course schedule for **Massachusetts's wastewater operator certification and training program**, for which NEIWPCC has assumed responsibility (see page 5), and the **Maine JETCC programs** (page 4). This issue also features a list of **state wastewater certification exams and websites** (page 15), and a schedule of **water- and wastewater-related events** (inside back cover).

- To register for a course, follow the instructions and fill out the form on page 16.
- All course fees include instructional material. Lunch is not included unless otherwise noted.
- Register at least seven days in advance of a course to avoid a \$15 late registration fee.
- Upon receiving your registration and fee for a course, we will send you a letter of confirmation and directions to the course location.
- There is a \$15 fee for checks returned for insufficient funds.
- 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 fail to attend a course are responsible for full payment.

**For information on last-minute course cancellations and other late updates about our courses, call the 24-hour NEIWPCC Training Hotline at 1-866-824-9656.**

In addition to the courses listed in this catalog, NEIWPCC offers training programs customized to meet the specific needs of an operation's workforce. For more information, call (978)323-7929.

For more information on NEIWPCC and our many other programs and projects, visit [www.neiwpcc.org](http://www.neiwpcc.org).

### Go Online and Get Up to Date!

Check out our new Training Calendar web page for the latest information on all of our courses including alerts for cancellations, date or time changes, and other pertinent information for each course. While you're there, enjoy the convenience of the new state filter, color coding, and five full-week view. Go to [www.neiwpcc.org/training/calendar.asp](http://www.neiwpcc.org/training/calendar.asp)



## Fundamentals of Wastewater Treatment Facility Operation, Maintenance, and Management

etc1228

### (Preparing for Class III & IV certification exams)

**Five Monday sessions beginning April 23, 2012** (see details below); 8:30 a.m. – 3:30 p.m., **MDC Training Center**, Hartford, CT

**Instructors:** Charles Conway and Don Kennedy, NEIWPCCT

**Cost:** \$335 **Credits:** 30 TCH

This five-session course helps students move beyond the basics to a deeper understanding of the operation of wastewater treatment plants and provides invaluable instruction for those preparing for the Class III and IV exams. To enroll, you should have an understanding of the principles in CSU Sacramento's *Operation of Municipal Wastewater Treatment Plants* (Volumes 1 and 2), *Advanced Waste Treatment, and Manage for Success*. You must also be prepared to develop advanced wastewater math skills.

### Students must bring a basic calculator.

**Week 1 (Apr. 23):** Basic municipal wastewater review, basic math review.

**Week 2 (Apr. 30):** Activated sludge and microbiology, math review.

**Week 3 (May 7):** Hydraulics and operation of pumps, basic electricity and instrumentation, wastewater safety.

**Week 4 (May 14):** Activated sludge, nitrogen and phosphorous removal, math review.

**Week 5 (May 21):** WWTP management, lab management, solids handling, effluent disposal, practice exam.

## Laboratory Procedures

etc1229

### Followed by optional NEWEA exam

**Tuesday, April 24 – Wednesday, April 25, 2012;** 8:30 a.m. – 3:30 p.m.

**Meriden WPCF**, Meriden, CT

**Instructor:** Andy Fish, VT DEC

**Cost:** \$170 **Credits:** 9 TCH

This one-and-a-half day course provides WWTP personnel with the opportunity to learn the laboratory tests for NPDES permitting and plant operations. It prepares participants for the optional NEWEA Voluntary Laboratory Analyst Certification Exam that takes place after the course.

Topics to be covered include proper sampling techniques; analyses, meter calibrations, and general QA for pH; total residual chlorine; total suspended solids; biochemical oxygen demand; *E-coli*; total phosphorous and turbidity; secondary treatment processes; lab management; and chemical hygiene.

**IN ORDER TO TAKE THE EXAM, YOU MUST APPLY DIRECTLY TO NEWEA.** You do not need to take the course to take the exam. See page 14 for details.

## Operation and Maintenance of Wastewater Collection Systems

etc1230

### Followed by optional NEWEA exam

**Tuesday, May 8 - Thursday, May 10, 2012;** 8:30 a.m. – 3:30 p.m., **Meriden WPCF**, Meriden, CT

**Instructors:** Don Kennedy and James LaLiberte, NEIWPCCT

**Cost:** \$220 **Credits:** 15 TCH

Communities must properly manage, operate, and maintain wastewater collection systems to prevent sanitary sewer overflows, contamination of groundwater, and the spread of waterborne diseases. In this two-and-a-half day course, participants will receive basic to intermediate instruction in all aspects of collection system O&M.

### Students must bring a basic calculator.

**IN ORDER TO TAKE THE EXAM, YOU MUST APPLY DIRECTLY TO NEWEA.** You do not need to take the course to take the exam. See page 14 for details.

**- CONNECTICUT -****Introduction to Wastewater Treatment Facility  
Operation and Maintenance**

etc1231

**(Preparing for Class I & II certification exams)****Tuesday, June 26 – Thursday, June 28, 2012;** 8:30 a.m. – 3:30 p.m.**CT DEP Marine Headquarters,** Old Lyme, CT**Instructor:** James LaLiberte, NEIWPCC**Cost:** \$220 **Credits:** 18 TCH

Anyone preparing for a state WWTP operator certification exam will benefit from this structured overview of the wastewater field. The content of the course is based on the well-known California State University, Sacramento home-study course manuals on WWTP operations.

During the three-day program, the instructor will review wastewater laws and regulations, the pretreatment process, sedimentation and flotation, secondary biological treatment, secondary treatment processes, disinfection, and other pertinent topics. Participants will receive instruction in the mathematical calculations used in wastewater treatment operation that likely will be encountered in the Class I and II exams.

**Students must bring a basic calculator.**

**- MAINE -****Care of Emergency Generators**

etc1227

**Wednesday, April 11, 2012;** 8:30 a.m. – 3:30 p.m., **Brewer Auditorium,** Brewer, ME**Instructors:** Charles Bertrand, Caterpillar Corp.; Don Kennedy, NEIWPCC**Cost:** \$135 (lunch included) **Credits:** 6 TCH\*

Regulations require water and wastewater treatment plants to provide emergency power to keep all essential facilities functional during an outage. This one-day seminar is designed as an in-depth instructional course in the operation and maintenance of emergency generator systems in water and wastewater facilities.

Topics to be covered include the application and operation of emergency generators and how they interface with a treatment plant, safe operation and repair of emergency generators, proper Lockout/Tagout procedures and OSHA regulations, requirements for fuel use including testing and handling, battery replacement and charging techniques, identification of safe environments for emergency generators, heater use, effective inspection, and preventive maintenance.

\*This course is also approved for ME Drinking Water TCH.

**Maine “Management Candidate School”**

Maine’s third Management Candidate School (MCS) began in October 2011 and will conclude in September 2012 with 19 students. The Maine Wastewater Control Association and Maine DEP have participated each year as sponsors of this 12-month program, which is designed to provide the intensive training, networking, and skill-development coursework necessary to prepare the next generation of water and wastewater managers and leaders. Starting in year two, the Maine Water Utilities Association and Maine Department of Health and Human Services also joined as sponsors, thus expanding the training curriculum to drinking water operators.

With many of Maine’s current wastewater and water managers at or near retirement age, it is hoped that the individuals who complete the MCS program will be available to continue the critical work of managing the state’s water and wastewater treatment infrastructure. The MCS is aimed at mid-level operators with the potential to rise into water or wastewater facility management. To date, 39 operators have already graduated from the program.

For more information, call JETCC at 207-253-8020.

**Register Online Now  
for JETCC Courses!**

You may now register online for all JETCC-sponsored training classes. This online registration is available for credit card payments only. Visit [www.jetcc.org](http://www.jetcc.org) for more information and to register for this spring’s classes.



## Joint Environmental Training Coordinating Committee JETCC Training Schedule SPRING 2012

Online Registration Available with Credit Card Payment!

DATE	TOPIC	LOCATION
February 14	<b>Record Keeping &amp; Documentation for Compliance</b> .....	Presque Isle*
February 22	<b>Prioritizing Equipment to Plan for Funding &amp; Replacement</b> .....	Ellsworth*
February 22	<b>PVC Valves, Connections and Joining</b> ..... <i>Lunch sponsored by Spears Manufacturing</i>	Portland*
February 28	<b>How to Inventory Equipment &amp; Determine Replacement Needs</b> .....	Orono*
March 13	<b>Developing an Electrical Safety Program</b> .....	Bangor*
March 15	<b>Water Fluoridation in Maine (half-day morning session)</b> ..... <b>Chemical Management &amp; Safety (half-day afternoon session)</b> .....	Presque Isle* Presque Isle*
March 20	<b>Impacts of Water Treatment Practices on WW Plant Operations</b> .....	Portland* <i>Co-sponsored by Maine Water Utilities Association</i>
March 21	<b>Water Fluoridation in Maine (half-day morning session)</b> ..... <b>Chemical Management &amp; Safety (half-day afternoon session)</b> .....	No. Vassalboro* No. Vassalboro*
March 27	<b>Energy Management Workshop with EPA Region One</b> .....	Freeport*
March 29	<b>PVC Valves, Connections and Joining</b> ..... <i>Lunch sponsored by Spears Manufacturing</i>	North Jay*
April 4	<b>Math Review for Water and Wastewater Operators</b> .....	Fairfield*
April 5	<b>Strategies and Tips for Test Success</b> .....	Fairfield*
April 5	<b>Water Fluoridation in Maine (half-day morning session)</b> ..... <b>Chemical Management &amp; Safety (half-day afternoon session)</b> .....	Portland* Portland*
April 10	<b>Hands-On Laboratory Testing</b> .....	Portland
April 11	<b>Care of Emergency Generators</b> .....	Brewer* <i>In cooperation with NEIWPC</i>
April 18	<b>Manhole Repair and Confined Space Entry</b> .....	Boothbay*
April 19	<b>Hands-On Laboratory Testing</b> .....	Waterville
April 24	<b>Overview of Pumps and Pump Stations</b> .....	Topsham*
April 25	<b>Water Fluoridation in Maine (half-day morning session)</b> ..... <b>Chemical Management &amp; Safety (half-day afternoon session)</b> .....	Calais* Calais*
May 15	<b>Intermediate Excel for Water &amp; Wastewater Operators</b> .....	Saco*
May 21	<b>BOD, Metabolism, ORP and Sludge Production &amp; Troubleshooting the Activated Sludge Process with a Microscope</b> .....	Augusta <i>Presented by Michael H. Gerardi, Pennsylvania State University</i>

MAINE JETCC

JETCC, P.O. Box 487, Scarborough, Maine 04070-0487  
Phone: 207-253-8020 jetcc@jetcc.org www.jetcc.org

All programs listed here are approved by ME DEP for Wastewater Operator certification renewal credits unless noted.  
\*Programs are approved by Maine Board of Licensure of Water System Operators.  
For details and registration information, visit [www.jetcc.org](http://www.jetcc.org)

## - MASSACHUSETTS -

### Massachusetts Wastewater Operator Training and Certification

NEIWPCC has coordinated the Massachusetts Wastewater Operator Training and Certification programs since 2005. Oversight is provided by a Training Advisory Committee, which is led by NEIWPCC and includes representatives from MWPCA, NEWEA, and the Massachusetts Department of Environmental Protection. MassDEP continues to approve courses for training credit hours, grade treatment plants, develop questions for certification examinations, and issue emergency certifications. NEIWPCC handles all other certification tasks, including license reciprocity and status changes. A list of the responsibilities of each of the three main partners (NEIWPCC, MassDEP, and MWPCA) is available on the MWPCA and NEIWPCC websites.

*As part of the renewal process, all ACTIVE licensed operators in the state are required to obtain 20 training contact hours during the current licensing period (January 1, 2012, to December 31, 2013). On pages 8 & 9 is a list of this season's Massachusetts Wastewater Operator Training (MWOT) programs from NEIWPCC. Please refer to page 6 for details on additional courses offered by NEIWPCC in Massachusetts.*

In order to assist operators with reporting, NEIWPCC lists most TCHs earned from NEIWPCC, MWPCA and NEWEA on the renewal notice. We also list any TCHs earned for passing the semi-annual Massachusetts wastewater operators certification exam. **Massachusetts operators, take note:** We can only include this information on your application if we have been able to track your activity through your Massachusetts wastewater license number. It is vital to include this number when filling out a registration form for any training session or exam.

**Also note:** All correspondence to the Massachusetts Board of Certification of Wastewater Treatment Operators must now go through NEIWPCC. However, for specific questions on Massachusetts wastewater certification, please contact Tom Bienkiewicz of the Board of Certification at (508) 767-2781.

Massachusetts now offers Web-based certification exams.  
Details can be obtained at [www.neiwpcc.org/training/mwotexam.asp](http://www.neiwpcc.org/training/mwotexam.asp).

### Massachusetts Wastewater Management Training Program

The New England Interstate Water Pollution Control Commission, Massachusetts Department of Environmental Protection, and Massachusetts Water Pollution Control Association have developed the Massachusetts Wastewater Management Training Program. It is designed to provide participants with the basic skills and knowledge necessary for managing a wastewater facility. The initial 12-month program ended in September 2011 with a ceremony for the 21 graduates at the MWPCA Trade Show. The program exposed the participants to concepts such as management principles, permit compliance, process control, and public relations. Participants benefitted from the experience of the regulators, consultants, and facility superintendents who led the monthly sessions.

The next round of candidates will start their training in February 2012. The program will differ slightly from the past in that a number of the classes will be opened up to individuals not enrolled in the management training program. A core of classes, however, will be for the program participants exclusively. Management program courses that have been opened up for general registration are indicated by an \* after the course title.

For more information, visit [www.neiwpcc.org/training/mwmgmtprogram.asp](http://www.neiwpcc.org/training/mwmgmtprogram.asp).

**NPDES Permitting, State Regulations, and Reporting \***

etc1232

**Tuesday, March 13, 2012;** 8:30 a.m. – 3:30 p.m., **Richard Alden Training Facility**, Millbury, MA**Instructors:** MassDEP, EPA**Cost:** \$135 (\$120 for MWPCA members); lunch included **Credits:** 6 TCH

It is important to understand which laws and regulations impact the operation of a wastewater treatment facility and to establish a system to ensure that the facility is in compliance. This is particularly challenging because a wastewater facility is constantly facing changing regulations. Accurate recordkeeping is necessary to protect the facility and the manager. This course will describe how permits are derived, and will include a review of state regulations and reporting requirements.

\*This class is part of the Massachusetts Management Training Program.

**Hands-On Tour of CoMag System Plant**

etc1233

**Wednesday, April 4, 2012;** 8:30 a.m. – 12:30 p.m., **Billerica WWTP**, Billerica, MA**Instructors:** Jeff Kalmes, Billerica WWTP; John Murphy, NEIWPC**Cost:** \$60 (\$50 for MWPCA members) **Credits:** 4 TCH

This course will provide participants with the opportunity to observe the daily operations of the highly regarded wastewater treatment facility in Billerica. The instructors will lead a tour of the plant, and will explain all aspects of the operation including the facility's innovative CoMag system for removing phosphorus. The session will feature a hands-on lab component with basic calibrations and tests as well as a review of operation and maintenance checklists and forms. Participants will learn how these lab tests and checklists are used to optimize the O&M of the plant.

*Please reserve early as space is limited.*

**Computer Use in Wastewater Treatment Facilities \***

etc1234

**Tuesday, April 10, 2012;** 8:30 a.m. – 3:30 p.m., **Richard Alden Training Facility**, Millbury, MA**Instructors:** TBA**Cost:** \$135 (\$120 for MWPCA members); lunch included **Credits:** 6 TCH

This course covers the application and control of instrumentation and computers in the operation of wastewater treatment plants. Computer software can be an invaluable tool for report writing, data management, operation of maintenance systems, and laboratory analysis. The use of SCADA systems for system monitoring and control will be covered.

\*This class is part of the Massachusetts Wastewater Management Program.

**New Collection System Requirements for MA and NH**

etc1235

**Wednesday, May 2, 2012;** 8:30 a.m. – 3:30 p.m., **EPA Lab**, Chelmsford, MA**Instructors:** Jack Healey and Gina Snyder, USEPA**Cost:** \$135 (\$120 for MWPCA members); lunch included **Credits:** 4.5 TCH

Sanitary wastewater collection systems are a vital element of any community's infrastructure and a crucial element of the wastewater treatment process. As this valuable infrastructure ages, the importance of preventive maintenance increases. The failure to properly operate and maintain collection systems may result in sanitary sewer overflows (SSOs), which are not authorized by the NPDES program and may subject a community to enforcement.

This workshop will cover aging infrastructure issues, mapping, preventive maintenance, criticality and condition, principles of asset management, and the new NPDES CMOM permit requirements. A full awareness of these new requirements is important. For example, updated collection system requirements in Massachusetts NPDES permits also apply to communities that have a collection system and rely on a neighboring community for wastewater treatment.

**Searchable Database**

A searchable database of certified, active Massachusetts wastewater operators can be found at [www.neiwpc.org/wastewater/search.asp](http://www.neiwpc.org/wastewater/search.asp). Users can conduct searches for operators by last name, town of residence, state, and/or grade of certification. No personal information is displayed. The database allows operators to check their status and allows employers to verify or search for operators.

**- MASSACHUSETTS -****Finance and Budgeting for Wastewater Facilities \***

etc1236

**Tuesday, May 8, 2012;** 8:30 a.m. – 3:30 p.m., **Richard Alden Training Facility**, Millbury, MA**Instructors:** TBA**Cost:** \$135 (\$120 for MWPCA members); lunch included **Credits:** 6 TCH

It is important for managers at all levels in wastewater treatment facilities to have an understanding of the basic principles and strategies of financial management. Managers may be asked to prepare and defend a budget submission, and therefore must be able to understand the utility's financial reports and items such as risk management, debt, investments, and financial planning. The instructors will cover topics such as developing operational and capital budgets, understanding revenue sources, and rate setting.

\*This class is part of the Massachusetts Wastewater Management Program.

**Technical Seminar on Massachusetts  
Title 5 Approved Technologies**

etc1237

**Tuesday, May 15, 2012;** 8:30 a.m. – 3:30 p.m., **Bridgewater State College**, Bridgewater, MA**Instructors:** TBA**Cost:** \$135 (\$120 for MWPCA members); lunch included **Credits:** 6 TCH and 5 MA Title 5 SE/SI hours (approval pending)

This seminar is an installment in a series of training sessions covering onsite systems approved for use in Massachusetts. The instructors will examine in detail two Title 5-approved technologies. A variety of information specific to these technologies will be presented, including initial design and permitting, installation, and proper operation and maintenance. The session will include a presentation on design considerations for operators and operational troubleshooting as well as a presentation from MassDEP staff on updates to Title 5 and recent Title 5 approvals.

The seminar is designed for regulatory officials, design engineers, system installers, inspection officials, and treatment plant operators. The instructors will take into account the wide range of expertise and interests of the participants.

For the latest details on the information to be presented, click on the course in our online calendar ([www.neiwpc.org/training/calendar.asp](http://www.neiwpc.org/training/calendar.asp)) or contact us at (978) 323-7929.

**Extreme Weather Preparedness**

etc1238

**Wednesday, June 6, 2012 ;** 8:30 a.m. – 3:30 p.m., **Amherst WWTF**; Amherst, MA**Instructors:** TBA**Cost:** \$120 (\$95 for MWPCA members) **Credits:** 6 TCH

Extremely high or low temperatures, excessive rain, hurricanes, tornadoes, and blizzards all impact conditions at water and wastewater treatment plants and can dramatically affect operations. With the Northeast experiencing many of these extreme weather events in recent years, it is of vital importance to maintaining public health and safety that personnel at water and wastewater facilities understand what it takes to continue to provide treatment in severe weather conditions and to respond appropriately when treatment capability is lost.

This training will provide operators with the latest information from WARN (Water/Wastewater Emergency Response Network) and FEMA. The instructors will discuss the care of emergency generators and present case studies from a wastewater treatment plant, drinking water plant, and small wastewater package plant that reveal the lessons learned from recent extreme weather events.

**Nutrient Removal with Emphasis on Phosphorus Removal \***

etc1239

**Tuesday, June 12, 2012;** 8:30 a.m. – 3:30 p.m., **Richard Alden Training Facility**, Millbury, MA**Instructors:** Charles Conway, NEIWPC; TBA**Cost:** \$135 (\$120 for MWPCA members); lunch included **Credits:** 6 TCH

At many treatment plants, stringent effluent limits for phosphorus and nitrogen are already a reality. This program identifies the technologies available to meet these low nutrient limits. The instructor will explain how nitrification and denitrification are achieved. A roundtable discussion of phosphorus removal will cover real-life experiences in meeting limits as low as 0.1 mg/L.

\*This class is part of the Massachusetts Wastewater Management Program.

**- MASSACHUSETTS -****Spring 2012 Massachusetts Wastewater Operator Training**

In a move to reduce our environmental impact and cut printing and mailing costs, we are now incorporating our MA Wastewater Operator Training (MWOT) schedule into the full NEIWPC catalog. The following list provides a condensed look at our offerings. Full details on each course, complete schedule, and registration form are available online at [www.neiwpc.org/training/mwot.asp](http://www.neiwpc.org/training/mwot.asp).

**BASIC WASTEWATER MATH – 4-SESSION COURSE****Ma0385**

**Four Thursdays: February 23; March 1, 8, 15, 2012;** 8:30 a.m. to 2:30 p.m., **Richard Alden Training Facility**, Millbury, MA

**Instructor:** James LaLiberte, NEIWPC

**Cost:** \$190 (\$165 for MWPCA members) **Credits:** 20 TCH

This 4-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 problems involving basic math skills in the certification exams for industrial and municipal wastewater treatment.

**OPERATION OF MUNICIPAL WASTEWATER TREATMENT PLANTS (GRADES 1 – 3) 6-SESSION COURSE****Ma0386**

**Six Thursday sessions beginning March 22, 2012;** 8:30 a.m. to 3:30 p.m., **Richard Alden Training Facility**, Millbury, MA

**Instructor:** James LaLiberte, NEIWPC

**Cost:** Course only - \$340 (\$310 for MWPCA members); Course and books - \$460 (\$430 for MWPCA members) **Credits:** 36 TCH

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 Grade 1, 2 or 3 certification exams.

**OPERATION OF MUNICIPAL WASTEWATER TREATMENT PLANTS (GRADES 4 – 6) 5-SESSION COURSE****Ma0387**

**Five Monday sessions beginning March 19, 2012;** 8:30 a.m. to 3:30 p.m., **Richard Alden Training Facility**, Millbury, MA

**Instructors:** Charles Conway and Don Kennedy, NEIWPC

**Cost:** Course only - \$330 (\$300 for MWPCA members); Course and books - \$450 (\$420 for MWPCA members) **Credits:** 30 TCH

This 5-session 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 for the Massachusetts Municipal Wastewater Grades 4 – 6 certification exams.

**BASIC INDUSTRIAL WASTEWATER TREATMENT – 5-SESSION COURSE****Ma0388**

**Option 1 – Five Wednesdays, beginning March 12, 2012;** 8:30 a.m. to 3:30 p.m.

**Option 2 – Five Tuesdays, beginning April 24, 2012;** 8:30 a.m. to 3:30 p.m.

**Richard Alden Training Facility**, Millbury, MA

**Instructor:** James LaLiberte, NEIWPC

**Cost:** Course only - \$330 (\$300 for MWPCA members); Course and books - \$390 (\$360 for MWPCA members) **Credits:** 30 TCH

This 5-session 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.

**NPDES LABORATORY ANALYSIS – 4-SESSION COURSE****Ma0390**

**Four Fridays, beginning April 13, 2012;** 8:30 a.m. to 2:30 p.m., **Richard Alden Training Facility**, Millbury, MA

**Instructor:** Greg Kidd, NEWWTA

**Cost:** \$320 (\$290 for MWPCA members) **Credits:** 20 TCH

This course is designed for wastewater operators and laboratory personnel who perform laboratory analysis for NPDES compliance. The 4-session 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.

**- MASSACHUSETTS -****INTERMEDIATE INDUSTRIAL WASTEWATER TREATMENT****Ma0391****Tuesday, June 5 – Wednesday, June 6, 2012;** 8:30 a.m. to 3:30 p.m.**Richard Alden Training Facility,** Millbury, MA**Instructor:** Don Kennedy, NEIWPCC**Cost:** \$200 (\$170 for MWPCA members) **Credits:** 12 TCH

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. Bring your calculator to class!

**OPERATION & MAINTENANCE OF CENTRIFUGAL PUMPS  
3-SESSION COURSE****Ma0392****Three Thursdays, beginning May 31, 2012;** 8:30 a.m. to 3:30 p.m., **Richard Alden Training Facility,** Millbury, MA**Instructor:** Greg Kidd, NEWWTA**Cost:** Course only - \$240 (\$210 for MWPCA members); Course and book - \$295 (\$265 for MWPCA members) **Credits:** 18 TCH

This 3-session course provides a thorough introduction to centrifugal pumps and covers such topics as pump types, parts of pumps, pump curves and troubleshooting.

Actual pumps and parts are used in class. Most of the topic discussions are accompanied by visuals of actual pump situations.

**REVIEW FOR MASSACHUSETTS GRADES 4 – 6  
WASTEWATER OPERATOR CERTIFICATION EXAMS****Ma0393****Thursday, May 3, 2012;** 8:30 a.m. to 3:30 p.m., **Richard Alden Training Facility,** Millbury, MA**Instructor:** Charles Conway, NEIWPCC**Cost:** \$120 (\$105 for MWPCA members); if enrolled in Ma0387: \$70 (\$60 for MWPCA members) **Credits:** 6 TCH

This one-day program provides a review of the topics needed to pass the Grades 4 – 6 Massachusetts Wastewater Operator certification exams. Topics include preliminary treatment, sedimentation, activated sludge, waste treatment ponds, disinfection, advanced wastewater treatment, solids handling, plant maintenance, pumps and motors, plant safety, and laboratory procedures. Practice exams will be included as part of this program.

**MATH REVIEW FOR WASTEWATER TREATMENT OPERATORS****Ma0394****Friday, June 8, 2012;** 8:30 a.m. to 3:30 p.m., **Richard Alden Training Facility,** Millbury, MA**Instructor:** James LaLiberte, NEIWPCC**Cost:** \$120 (\$105 for MWPCA members) **Credits:** 6 TCH

This class has been designed to assist students who would like to refresh their math skills and review the math required in wastewater treatment. Problem solving involving volume, flow, dosage, mean cell residence time, etc., will be addressed. This course is designed to help those taking certification exams.

**REVIEW FOR INDUSTRIAL GRADES 1 & 2 OPERATOR  
CERTIFICATION EXAMS****Ma0395****Friday, June 15, 2012;** 8:30 a.m. to 3:30 p.m., **Richard Alden Training Facility,** Millbury, MA**Instructor:** James LaLiberte, NEIWPCC**Cost:** \$120 (\$105 for MWPCA members) **Credits:** 6 TCH

This one-day program provides a review of the topics covered in the Grades 1 and 2 Industrial certification exams. Topics include preliminary treatment, coagulation/flocculation, solids handling, carbon adsorption, metals removal, pumps, and equipment.

**You can download the complete Massachusetts Wastewater Operator Training schedule at  
[www.neiwpcc.org/training/calendar.asp](http://www.neiwpcc.org/training/calendar.asp)**

## Operation and Maintenance of Wastewater Collection Systems

etc1240

### Followed by optional NEWEA exam

**Tuesday, June 19 - Thursday, June 21, 2012;** 8:30 a.m. – 3:30 p.m., **Richard Alden Training Facility**, Millbury, MA

**Instructors:** Don Kennedy and James LaLiberte, NEIWPCC

**Cost:** \$220 (\$195 for MWPCA members) **Credits:** 15 TCH

Communities must properly manage, operate, and maintain wastewater collection systems to prevent sanitary sewer overflows, contamination of groundwater, and the spread of waterborne diseases. In this two-and-a-half day course, participants will receive basic to intermediate instruction in all aspects of collection system O&M.

**Students must bring a basic calculator.**

**IN ORDER TO TAKE THE EXAM, YOU MUST APPLY DIRECTLY TO NEWEA.** You do not need to take the course to take the exam. See page 14 for details.

## NEIWPCC Guidance Documents

Information about the below mentioned guides, as well as other NEIWPCC guides, can be found on our Publications & Resources/Technical Guides web page at <http://www.neiwpcc.org/technicalguides.asp>. Some of the guides are free for download, while others require an order form and payment.

### **NEW! TR-16: Guides for the Design of Wastewater Treatment Works – 2011 Edition**

This document, commonly known as TR-16 (short for Technical Report #16), is one of NEIWPCC's most frequently requested publications—and for good reason. Each section covers important elements of wastewater treatment that must be considered in the design process. NEIWPCC has just completed a major update of TR-16 to include the very latest in design considerations, including advances in technology, nutrient removal, energy efficiency, and instrumentation. The new 2011 edition is available now. Hard copies may be purchased for \$95 or CDs for \$25. To place an order, contact NEIWPCC at (978) 323-7929 or by e-mail at [mail@neiwpcc.org](mailto:mail@neiwpcc.org). You may also download an order form from our website at [www.neiwpcc.org/tr16guides.asp](http://www.neiwpcc.org/tr16guides.asp).

### **Sequencing Batch Reactor Design and Operational Considerations**

This document includes key elements to consider when designing an SBR facility as well as explanations of specific configurations and processes that optimize SBR performance. It is available in hard copy for \$15 and in an electronic version that can be downloaded for free at [www.neiwpcc.org/sbr\\_guide.asp](http://www.neiwpcc.org/sbr_guide.asp).

### **Optimizing Operation, Maintenance, and Rehabilitation of Sanitary Sewer Collection Systems**

This comprehensive manual helps collection system owners and operators optimize system performance, enhance effectiveness of maintenance programs, and reduce the long-term costs of operation. Download the entire document or individual chapters for free at [www.neiwpcc.org/omrmanual.asp](http://www.neiwpcc.org/omrmanual.asp). A hard copy manual may be purchased for \$25.

### **The Wastewater Treatment Plant Operators Guide to Biosolids Sampling Plans**

This guide was created to give operators an easily adaptable reference and worksheets for developing standardized procedures and documentation for the collection and analysis of treated sewage sludge destined for land application. It is available in hard copy for \$25 or in an electronic version that can be downloaded for free at [www.neiwpcc.org/biosamplingguide.asp](http://www.neiwpcc.org/biosamplingguide.asp).

### **The Northeast Guide for Estimating Staffing at Publicly and Privately Owned Wastewater Treatment Plants**

This guidance, which is an update of the EPA staffing guide for the operation of POTWs published in 1973, allows users to estimate the appropriate staffing level for most of the publicly and privately owned wastewater treatment plants in the Northeast. The recommendations on staffing will help facility managers and assistance providers keep facilities in compliance and help non-compliant facilities get back on track. The information in the guide can also be used to support budget allocations, identify performance-limiting factors, inform composite correction plans, and evaluate proposals for contract services. The guide is an invaluable resource for municipal managers, consultants, contract service providers, and federal and state technical assistance providers.

Visit [www.neiwpcc.org/staffing-guide.asp](http://www.neiwpcc.org/staffing-guide.asp) to download a free copy of this important guide and an interactive Excel application.

**- NEW HAMPSHIRE -****New Collection System Requirements for MA and NH**

etc1235

**Wednesday, May 2, 2012;** 8:30 a.m. – 3:30 p.m., **EPA Lab**, Chelmsford, MA**Instructors:** Jack Healey and Gina Snyder, USEPA**Cost:** \$120 (\$95 for MWPCA members) **Credits:** 4.5 TCH

Sanitary wastewater collection systems are a vital element of any community's infrastructure and a crucial element of the wastewater treatment process. As this valuable infrastructure ages, the importance of preventive maintenance increases. The failure to properly operate and maintain collection systems may result in sanitary sewer overflows (SSOs), which are not authorized by the NPDES program and may subject a community to enforcement.

This workshop will cover aging infrastructure issues, mapping, preventive maintenance, criticality and condition, principles of asset management, and the new NPDES CMOM permit requirements. A full awareness of these new requirements is important. For example, updated collection system requirements in Massachusetts NPDES permits also apply to communities that have a collection system and rely on a neighboring community for wastewater treatment.

**Math and the Activated Sludge Process**

etc1241

**Wednesday, May 9 and Thursday, May 10, 2012;** 8:30 a.m. – 3:30 p.m., **Franklin WWTF**, Franklin, NH**Instructor:** Charles Conway, NEIWPCC**Cost:** \$170 **Credits:** 12 TCH

This two-day program provides wastewater treatment personnel with a basic understanding of the importance of math in managing the activated sludge process. The instructor will provide an overview of the microbiology of the activated sludge process and the parameters the operator can control to achieve the desired effluent. Students will receive detailed instruction in performing the math required for process control of activated sludge systems. Problem-solving techniques involving food-to-microorganisms, mean cell residence time, sludge wasting rates, solids loading rates, and hydraulic loading rates will be covered. The course is designed to help operators responsible for the activated sludge process prepare for their operator certification exam.

**Students must bring a basic calculator.**

**Troubleshooting the SBR and Wastewater Pathogens**

etc1242

**Tuesday, May 22, 2012;** 8:30 a.m. – 3:30 p.m., **NHDES Auditorium**, Concord, NH**Instructor:** Michael Gerardi, Wastewater Microbiologist**Cost:** \$150 **Credits:** 6 TCH

This in-depth course covers nitrification/denitrification and phosphorus removal in a sequencing batch reactor (SBR) process. The development of aerobic, anoxic, and anaerobic/fermentative conditions is presented, and techniques for monitoring and troubleshooting SBRs are covered. The instructor will also explain how to identify pathogenic bacteria indigenous to untreated wastewater. A wide variety of issues related to pathogens will be discussed, including the relevant history and hazards of various viruses, bacteria, fungi, protozoa, and helminthes.

**Instrumentation Measurement and Control with Use of SCADA for Process Efficiency**

etc1243

**Wednesday, May 23, 2012;** 8:30 a.m. – 3:30 p.m., **Franklin WWTF**, Franklin, NH**Instructors:** Jeff Murray, Control Point, Inc.; Don Kennedy, NEIWPCC**Cost:** \$120 **Credits:** 6 TCH\*

This one-day course covers the theory, application, and control of instrumentation used in the operation of wastewater treatment plants. The interface of instrumentation with SCADA systems and the security of these programs against intrusions will be discussed. Topics include the use of meters for level, flow, pressure, and automated process control; magnetic and ultrasonic flow meters; bellows, diaphragms, and strain gauges; capacitance, conductance and resistance level control; pressure measurement and electrical elements; manometers and bourdon tubes; SCADA system elements, operation and client/server architecture; and PID loops.

This course is also approved for NH Drinking Water TCH.

## Wastewater Treatment Plant Process Upgrades for Energy Savings

etc1244

**Thursday, March 1, 2012;** 8:30 a.m. – 3:30 p.m., **Sherrill City Hall**, Sherrill, NY

**Instructors:** Jay Bradford, Motion Industries; Don Kennedy, NEIWPCC

**Cost:** \$135; lunch included **Credits:** 6 TCH

Water and wastewater treatment plants are among a community's largest energy consumers, accounting for 30-60 percent of a municipal government's energy usage. Realizing the opportunity for savings, numerous plants have undergone process upgrades to improve treatment and reduce energy costs. This course will describe the energy improvements at various wastewater treatment facilities.

The course will also cover unit processes with high horsepower requirements, variable frequency drives, aeration system modifications including fine bubble diffusion, solar (PV) systems, anaerobic digesters, and micro turbine upgrades. Upon completion of the class, students will have a solid understanding of process changes that result in significant energy savings.

## Instrumentation Measurement and Control with Use of SCADA for Process Efficiency

etc1245

**Friday, March 2, 2012;** 8:30 a.m. – 3:30 p.m., **TBA**, Albany, NY area

**Instructors:** Jeff Murray, Control Point, Inc.; Don Kennedy, NEIWPCC

**Cost:** \$135; lunch included **Credits:** 6 TCH

This one-day course covers the theory, application, and control of instrumentation used in the operation of wastewater treatment plants. The interface of instrumentation with SCADA systems and the security of these programs against intrusions will be discussed. Topics include the use of meters for level, flow, pressure, and automated process control; magnetic and ultrasonic flow meters; bellows, diaphragms, and strain gauges; capacitance, conductance and resistance level control; pressure measurement and electrical elements; manometers and bourdon tubes; SCADA system elements, operation and client/server architecture; and PID loops.

## Hands-On Microbiology for Process Control and Troubleshooting

etc1246

**Tuesday, April 24 – Wednesday, April 25, 2012;** 8:30 a.m. – 3:30 p.m., **IBM**, Fishkill, NY

**Instructors:** Nora-Jean Lough, Narragansett Bay Commission; Charles Conway, NEIWPCC

**Cost:** \$200; lunch included **Credits:** 12 TCH

This course provides an introduction to activated sludge microbiology and the theory behind the predominance of certain indicator microorganisms such as protozoans, metazoans, and filamentous bacteria. Troubleshooting techniques for foam control, bulking sludge, and other microbiological problems encountered in an activated sludge process will be discussed.

Nora-Jean Lough, a microbiologist with the Narragansett Bay Commission in Rhode Island, will provide hands-on training in the use and care of a phase contrast microscope. Several phase contrast microscopes will be available for use by participants, but if your WWTP has a phase contrast microscope, please bring it with you. Also, please bring samples of activated sludge MLSS and/or foam for microscopic examination. This two-day class will benefit wastewater operators and lab personnel who are involved in or wish to understand process control decisions.

## Online Wet Weather Training

NEIWPCC is offering a web-based training course focused on wet weather issues and their impacts at wastewater treatment facilities. The course emphasizes the skills and knowledge necessary to develop wet weather operating plans for a wastewater plant. The course is self-paced and can be completed at home or at work. The cost is \$100. Upon successful completion of the course, 10 training contact hours will be awarded. This course was developed by NEIWPCC for the NYS DEC, and is approved for operator recertification in Maine, Massachusetts, New York, and New Hampshire.

### IMPORTANT COURSE INFORMATION

- There is a separate registration form that must be completed in order to take the online course. It is available at [www.neiwpcc.org/wetweathertraining](http://www.neiwpcc.org/wetweathertraining).
- The fee for this course is \$100 per student. **This fee must be received by NEIWPCC before students can take the course.**
- Successful completion requires that all assignments be finished (including the course survey) and a score of 70% or greater achieved on the final exam.
- Students have six months to complete the course.
- Students will be sent a reminder in the fifth month if they have not completed the course.



## Basic Wastewater Treatment Operation

etc1247

**Mondays and Wednesdays, February 6 – April 16, 2012;** 6:00 p.m. – 8:00 p.m., **South Kingstown WWTF**, South Kingstown, RI

**Instructor:** Doug Nettleton, Scarborough WWTF

**Cost:** \$275 (includes manuals) **Credits:** 40 TCH

Anyone preparing for a state WWTP operator certification exam will benefit from this structured overview of the wastewater field. The ten-session course is based on the well-known CSU Sacramento home-study course manuals for WWTP operations. The instructor will cover a wide range of topics including wastewater laws and regulations, preliminary treatment, sedimentation and flotation, secondary treatment processes, activated sludge, trickling filters, rotating biological contactors, waste treatment ponds, and disinfection.

The course is sponsored by the R.I. Board of Certification of Operators of Wastewater Treatment Facilities. Individuals working as wastewater operators in R.I. may be able to get a Grade 1 license in accordance with state law with the successful completion of this course and appropriate application to the Board of Certification.

## Operation and Maintenance of Wastewater Collection Systems

etc1248

### Followed by Optional NEWEA Exam

**Tuesday, April 24 - Thursday, April 26, 2012;** 8:30 a.m. – 3:30 p.m., **South Kingstown WWTF**, South Kingstown, RI

**Instructors:** Don Kennedy and James LaLiberte, NEIWPC

**Cost:** \$220 **Credits:** 15 TCH

Communities must properly manage, operate, and maintain wastewater collection systems to prevent sanitary sewer overflows, contamination of groundwater, and the spread of waterborne diseases. In this two-and-a-half day course, participants will receive basic to intermediate instruction in all aspects of collection system O&M.

**Students must bring a basic calculator.**

**IN ORDER TO TAKE THE EXAM, YOU MUST APPLY DIRECTLY TO NEWEA.** You do not need to take the course to take the exam. See page 14 for details.

## Kowsz Scholarship

In order to encourage the advancement of knowledge in all aspects of water pollution control, NEWEA established the Edward A. Kowsz Memorial Scholarship. Successful applicants are eligible for reimbursement of tuition, registration and other related costs associated with training or coursework in wastewater treatment, collection, disposal, management, or other relevant topics. Scholarships usually average \$300 per application, but may vary depending on the number of requests.

Scholarships may be awarded for courses at accredited colleges, universities, or technical/specialty schools or for self-study training programs as approved by the Scholarship Committee. Applicants must be a NEWEA member or a member of any of the six affiliated state associations for at least two years to be eligible.

Information and applications can be found at:

**[www.newea.org/StudentEducator/Scholarships.aspx](http://www.newea.org/StudentEducator/Scholarships.aspx)**

## Preparation for the Vermont Municipal Wastewater Operator Exam

etc1249

**Wednesday, May 2 – Friday, May 4, 2012;** 8:30 a.m. – 3:30 p.m., **Rutland WWTF**, Rutland, VT

**Instructors:** James LaLiberte, NEIWPC

**Cost:** \$220 **Credits:** 15 TCH

This structured overview of the wastewater field provides an excellent opportunity to prepare for the state WWTP Operator Certification Exam. Course content is based on the well-known CSU Sacramento home-study course manuals on WWTP operations. The three-day program features the mathematical calculations encountered in wastewater treatment operation.

Topics include WWTP operation, laws and regulations, pretreatment, sedimentation and flotation, biological treatment processes, and disinfection.

**Students must bring a basic calculator.**

## Hands-On Microbiology for Process Control and Troubleshooting

etc1250

**Wednesday, May 23 – Thursday, May 24, 2012;** 8:30 a.m. – 3:30 p.m., **Stowe Public Safety Complex**, Stowe, VT

**Instructors:** Nora-Jean Lough, Narragansett Bay Commission; Charles Conway, NEIWPC

**Cost:** \$170 **Credits:** 12 TCH

This course provides an introduction to activated sludge microbiology and the theory behind the predominance of certain indicator microorganisms such as protozoans, metazoans, and filamentous bacteria. Troubleshooting techniques for foam control, bulking sludge, and other microbiological problems encountered in an activated sludge process will be discussed.

Nora-Jean Lough, a microbiologist with the Narragansett Bay Commission in Rhode Island, will provide hands-on training in the use and care of a phase contrast microscope. She will explain slide preparation and microscopic techniques in assessing the quality of mixed liquor, as well as protozoan, metazoan, and filamentous bacteria identification. Several phase contrast microscopes will be available for use by participants, but if your WWTP has a phase contrast microscope, you are encouraged to bring it for use during this course.

This two-day class will benefit wastewater operators and lab personnel who are involved in or wish to understand process control decisions. Please bring samples of activated sludge MLSS and/or foam for microscopic examination.

## NEWEA Voluntary Certification Programs

In cooperation with NEIWPC, the New England Water Environment Association (NEWEA) offers certification exams to encourage professional growth.

NEWEA offers individuals the opportunity to become certified voluntarily for Wastewater Collection Systems Operator and Laboratory Analyst.

IN ORDER TO TAKE A NEWEA EXAM, YOU MUST APPLY SEPARATELY TO NEWEA.

Applications for the NEWEA exams may be downloaded at:

[www.newea.org/YourCareer/VoluntaryCertification/tabid/187/Default.aspx](http://www.newea.org/YourCareer/VoluntaryCertification/tabid/187/Default.aspx)

The exam costs \$35.00, payable to **NEWEA**. YOU DO NOT HAVE TO ATTEND TRAINING TO TAKE THE EXAM.

If you have any questions regarding an exam, please contact NEWEA at (781) 939-0908.

Mail the completed full exam application and payment to:

**New England Water Environment Association**  
**10 Tower Office Park, Suite 601**  
**Woburn, MA 01801**

### NEWEA Voluntary Certification Exams

- **Lab Certification Exam**  
 Meriden WPCF, Meriden, CT  
 Wednesday, April 25, 2012 at Noon
- **Wastewater Collection Systems Certification Exam**  
 South Kingstown WWTF,  
 South Kingstown, RI  
 Thursday, April 26, 2012 at Noon
- **Wastewater Collection Systems Certification Exam**  
 Meriden WPCF, Meriden, CT  
 Thursday, May 10, 2012, at Noon
- **Wastewater Collection Systems Certification Exam**  
 Richard Alden Training Facility,  
 Millbury, MA  
 Thursday, June 21, 2012 at Noon

## Schedule of Upcoming State Wastewater Certification Exams

### Connecticut

Wednesday, July 11, 2012

[www.ct.gov/dep/cwp/view.asp?a=2719&q=325582&depNav\\_GID=1654](http://www.ct.gov/dep/cwp/view.asp?a=2719&q=325582&depNav_GID=1654)

### Maine

Wednesday, May 9, 2012

[www.maine.gov/dep/blwq/doceng/opcrtpg2.html](http://www.maine.gov/dep/blwq/doceng/opcrtpg2.html)

### Massachusetts

Massachusetts conducts web-based certification exams. For more information go to:

[www.mwpc.org](http://www.mwpc.org) or [www.neiwpc.org/training/mwotexam.asp](http://www.neiwpc.org/training/mwotexam.asp)

### New Hampshire

Wednesday, June 6, 2012

[www.des.nh.gov/organization/divisions/water/wweb/opcert.htm](http://www.des.nh.gov/organization/divisions/water/wweb/opcert.htm)

### New York

WWTP Operator Exam

New York conducts web-based certification exams. For more information go to:

[www.dec.ny.gov/chemical/8707.html](http://www.dec.ny.gov/chemical/8707.html)

Voluntary WW collection systems exams are offered in April and September.

For information, visit:

[www.nywea.org/training/col-cert.cfm](http://www.nywea.org/training/col-cert.cfm)

### Rhode Island

Grades 1, 3 & 4: Tuesday, May 22, 2012

Grade 2: Wednesday, May 23, 2012

[www.dem.ri.gov/programs/benviron/water/licenses/wwoper/pdfs/exmsched.pdf](http://www.dem.ri.gov/programs/benviron/water/licenses/wwoper/pdfs/exmsched.pdf)

### Vermont

Wednesday, May 16, 2012

[www.anr.state.vt.us/dec/ww/opcert.htm#exam](http://www.anr.state.vt.us/dec/ww/opcert.htm#exam)

## NEIWPCC Course Registration Form

Course Title \_\_\_\_\_ Course # \_\_\_\_\_

Your Name \_\_\_\_\_

Wastewater License # \_\_\_\_\_ State \_\_\_\_\_

Company/Facility \_\_\_\_\_

Street \_\_\_\_\_

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

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

MWPCA # \_\_\_\_\_

Indicate method of payment Amount Enclosed \$ \_\_\_\_\_

Check No. \_\_\_\_\_  or PO No. \_\_\_\_\_  or Credit Card \_\_\_\_\_  
indicate Visa, MC or Discover

Credit Card # \_\_\_\_\_

3-digit code (Visa only) \_\_\_\_\_ Expiration \_\_\_\_\_  
located on back of card month/year

Name on Card \_\_\_\_\_

Signature Required \_\_\_\_\_ Date \_\_\_\_\_

**Please call (978) 323-7929 with questions or requests for assistance.**

**Mail form and payment to:  
 NEIWPCC - Training; 116 John Street; Lowell, MA 01852-1124**

**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 NOTE:** Enrollment is on a first-come, first-served basis, so please return your application as soon as possible. We appreciate you 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!**

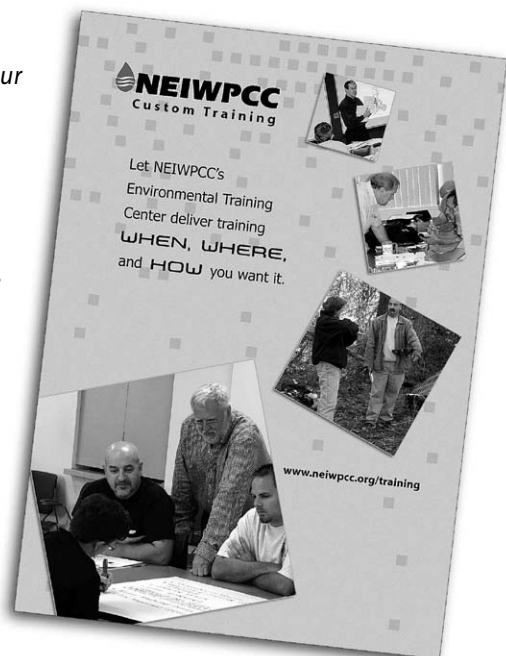
- **Checks/Money Orders:** Should be made payable to "NEIWPCC Training". **Note New Policy:** There is a **\$15.00 fee for checks returned** due to insufficient funds.
- **Registration Deadline:** You must register at least seven days in advance of the first day of the course. Registrations after this 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:** Participants must attend ALL hours of training to be eligible for Training Contact Hours. TCHs are awarded upon completion of a course. The certificates are mailed to participants. All courses listed in this catalog have been approved for wastewater license renewal credit hours only, unless otherwise noted.
- **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.**

### Why custom training from NEIWPCC?

- We listen to your needs, then design and deliver the training that's right for your operation.
- Our trainers come to your location, saving the cost associated with off-site training.
- Our training takes place at a date and time that's convenient for your facility.
- We use the latest technology to develop superior programs, which provide the license renewal hours your operation's workforce needs.

Since 1968, the New England Interstate Water Pollution Control Commission has trained thousands of professionals in the wastewater industry and other environmental fields. Clients throughout New England and New York State, including Intel and the Massachusetts Water Resources Authority (MWRA), have benefitted from our custom training programs. Let us do the same for you.

To find out more, call NEIWPCC at (978) 323-7929, email us at [training@neiwpc.org](mailto:training@neiwpc.org) or visit [www.neiwpc.org/training/custom.asp](http://www.neiwpc.org/training/custom.asp).



# Calendar of Upcoming Events – Spring 2012

## **January 22 – 25, 2012**

2012 NEWEA Annual Conference and Exhibition  
Boston, MA

## **February 5 – 8, 2012**

NYWEA Annual Meeting & Exhibition  
New York, NY

## **April 2 – 5, 2012**

NOWRA/YOWA Annual Technical Conference  
Providence, RI

## **April 12, 2012**

NHWPCA Trade Show  
Laconia, NH

## **April 27, 2012**

MWWCA Spring Conference  
Orono, ME

## **April 2012**

CT WPAA Trade Show  
TBA

## **May 2, 2012**

NEWEA Stormwater Specialty Seminar & Exhibit  
Hartford, CT

## **May 16, 2012**

NEWEA Joint Energy & Plant Operations Specialty Seminar  
Brattleboro, VT

## **May 25, 2012**

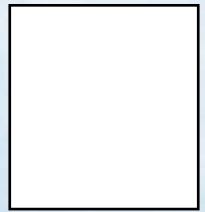
GMWEA Spring Conference  
Killington, VT

## **June 3 – 6, 2012**

NEWEA Spring Meeting & Exhibit  
Newport, RI



New England Interstate Water  
Pollution Control Commission  
116 John Street  
Lowell, MA 01852-1124



# Spring 2012 Course Catalog

**February – June 2012**

**training@neiwpc.org**  
**www.neiwpc.org/training**

**p: (978) 323-7929**  
**f: (978) 323-7919**



## **Go Online and Get Up to Date!**

The training schedule on our website provides easy access to brief descriptions of each course in this catalog, plus we update the schedule regularly with the very latest information. Find out whether a class is rapidly filling up or is already full. View special flyers created for courses. Read important notices.

Get up to date! Access the schedule at  
[www.neiwpc.org/training/schedule.asp](http://www.neiwpc.org/training/schedule.asp)