



## RECOMMENDED COURSE GUIDE – Spring 2025 NEIW PCC Massachusetts Wastewater Operator Training (MWOT) Program

The Board of Wastewater Operator Certification provides training courses to assist operators in preparing for all grades of municipal, industrial, and combined exams. For Spring 2025, this MWOT Program will be offered virtually through NEIW PCC. This program is also offering an in-person Basic Municipal Wastewater course and an in-person Basic Industrial Wastewater course. You can view and register for all courses via the following link: <https://payments.neiwpc.org/>

These courses are being offered as a resource to build a custom wastewater syllabus for each individual. **Students are not required to take every class offered by this program.** Students should select those courses needed to gain sufficient depth of knowledge on topics likely to be seen on their respective exams.

There are many additional exam preparation opportunities, including other online training providers, correspondence courses, study guides, vendor training, YouTube videos, and contacting experienced wastewater professionals and association members (e.g., MAWEA). It may take a combination of training approaches to prepare for a wastewater certification exam. If you know of additional training opportunities that can supplement the courses listed below, please contact John Murphy of MassDEP (john.j.murphy@mass.gov, 617-352-3375).

The following tables offer a guide to selecting NEIW PCC courses for each grade of the Massachusetts operator exam. Most course content is also applicable for other states. Operators are also encouraged to take any other classes on our training calendar.

### MUNICIPAL GRADES 1 & 2 (LIVE VIRTUAL)

Class name	Date	Time	TCHs
Introduction to Municipal Wastewater Treatment	2/4/25	8:30 - 11:30 AM	3
Basic Wastewater Math - Part I	2/11/25	8:30 - 11:30 AM	3
Basic Wastewater Math - Part II	2/11/25	12:30 - 3:30 PM	3
Introduction to Collections Systems	2/12/25	8:30 - 11:30 AM	3
Water Quality & NPDES Permitting	2/13/25	8:30 - 11:30 AM	3
Introduction to Water & Wastewater Laboratory	2/20/25	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Preliminary & Primary Treatment	2/25/25	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Secondary Treatment - Part I	3/04/25	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Secondary Treatment - Part II	3/11/25	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Disinfection	3/18/25	8:30 - 10:30 AM	2
Massachusetts Wastewater Regulations & Certification Overview	3/19/25	8:30 - 10:30 AM	2
Introduction to Pumps - Part I	3/26/25	8:30 - 11:30 AM	3
Introduction to Pumps - Part II	4/02/25	8:30 - 11:30 AM	3
Basic Municipal & Industrial Wastewater - Solids Handling	4/09/25	8:30 - 11:30 AM	3
Wastewater Safety	4/16/25	8:30 - 11:30 AM	3

Courses highlighted in gold are offered in-person in Lowell, MA or live virtual (Zoom Training)

### MUNICIPAL GRADES 1 & 2 (IN-PERSON)

Class name	Dates	Time	Location	TCHs
Basic Municipal Wastewater (In-Person)*	April 2,9,16 & 23 and 30, 2025	8:30 AM - 3:30 PM	Millbury, MA	30

\* Prerequisite: attending live virtual Basic Math Part I (9/03/24) and Basic Math Part II (9/10/24) is strongly recommended prior to this class.



**RECOMMENDED COURSE GUIDE – Spring 2025**  
**NEIW PCC Massachusetts Wastewater Operator Training (MWOT) Program**

**MUNICIPAL GRADES 3 & 4 (LIVE VIRTUAL)**

<b>Class name</b>	<b>Date</b>	<b>Time</b>	<b>TCHs</b>
Water Quality & NPDES Permitting	2/13/25	8:30 - 11:30 AM	3
Introduction to Water & Wastewater Laboratory	2/20/25	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Secondary Treatment - Part I	3/04/25	8:30 - 11:30 AM	3
Laboratory Analyses - pH & Total Residual Chlorine	3/06/25	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Secondary Treatment - Part II	3/11/25	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Disinfection	3/18/25	8:30 - 10:30 AM	2
Massachusetts Wastewater Regulations & Certification Overview	3/19/25	8:30 - 10:30 AM	2
Laboratory Analyses - Biochemical Oxygen Demand & Dissolved Oxygen	3/20/25	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part I	3/25/25	8:30 - 11:30 AM	3
Introduction to Pumps - Part I	3/26/25	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part II	4/01/25	8:30 - 11:30 AM	3
Introduction to Pumps - Part II	4/02/25	8:30 - 11:30 AM	3
Laboratory Analyses – Bacteria	4/03/25	8:30 - 11:30 AM	3
Basic Municipal & Industrial Wastewater - Solids Handling	4/09/25	8:30 - 11:30 AM	3
Laboratory Analyses – Solids	4/10/25	8:30 - 11:30 AM	3
Wastewater Safety	4/16/25	8:30 - 11:30 AM	3

**INDUSTRIAL GRADES 1 & 2 (LIVE VIRTUAL)**

<b>Class name</b>	<b>Date</b>	<b>Time</b>	<b>TCHs</b>
Introduction to Industrial Wastewater Treatment	2/5/25	8:30 - 11:30 AM	3
Basic Wastewater Math - Part I	2/11/25	8:30 - 11:30 AM	3
Basic Wastewater Math - Part II	2/11/25	8:30 - 11:30 AM	3
Introduction to Water & Wastewater Laboratory	2/20/25	8:30 - 11:30 AM	3
Basic Industrial Wastewater - Treatment Processes	2/26/25	8:30 - 11:30 AM	3
Basic Industrial Wastewater - Characteristics & Chemistry	3/05/25	8:30 - 11:30 AM	3
Basic Industrial Wastewater - pH Neutralization	3/12/25	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations & Certification Overview	3/19/25	8:30 - 10:30 AM	2
Introduction to Pumps - Part I	3/26/25	8:30 - 11:30 AM	3
Introduction to Pumps - Part II	4/02/25	8:30 - 11:30 AM	3
Basic Municipal & Industrial Wastewater - Solids Handling	4/09/25	8:30 - 11:30 AM	3
Wastewater Safety	4/16/25	8:30 - 11:30 AM	3



**RECOMMENDED COURSE GUIDE – Spring 2025**  
**NEIW PCC Massachusetts Wastewater Operator Training (MWOT) Program**

**INDUSTRIAL GRADES 3 & 4 (LIVE VIRTUAL)**

Class name	Date	Time	TCHs
Introduction to Water & Wastewater Laboratory	2/20/25	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations & Certification Overview	3/19/25	8:30 - 10:30 AM	2
Intermediate Wastewater Math - Part I	3/25/25	8:30 - 11:30 AM	3
Introduction to Pumps - Part I	3/26/25	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part II	4/01/25	8:30 - 11:30 AM	3
Introduction to Pumps - Part II	4/02/25	8:30 - 11:30 AM	3
Wastewater Safety	4/16/25	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Treatment Processes - Part I	4/23/25	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Treatment Processes - Part II	4/30/25	8:30 - 11:30 AM	3
Advanced Laboratory Procedures	4/24/25	8:30 - 11:30 AM	3
Electricity, Motors, & Horsepower	5/07/25	8:30 - 11:30 AM	3
Advanced Pumps & Hydraulics	5/21/25	8:30 - 11:30 AM	3

**COMBINED GRADES 5 & 6 (LIVE VIRTUAL)**

Class name	Date	Time	TCHs
Water Quality & NPDES Permitting	2/13/25	8:30 - 11:30 AM	3
Laboratory Analyses - pH & Total Residual Chlorine	3/06/25	8:30 - 11:30 AM	3
Basic Industrial Wastewater - pH Neutralization	3/12/25	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations & Certification Overview	3/19/25	8:30 - 10:30 AM	2
Laboratory Analyses - Biochemical Oxygen Demand & Dissolved Oxygen	3/20/25	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part I	3/25/25	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part II	4/01/25	8:30 - 11:30 AM	3
Laboratory Analysis - Bacteria	4/03/25	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Treatment Technologies	4/08/25	8:30 - 11:30 AM	3
Laboratory Analyses - Solids	4/10/25	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Activated Sludge	4/15/25	8:30 - 11:30 AM	3
Wastewater Safety	4/16/25	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Process Control & Troubleshooting	4/22/25	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Treatment Processes - Part I	4/23/25	8:30 - 11:30 AM	3
Advanced Laboratory Procedures	4/24/25	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Biological Nutrient Removal	4/29/25	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Treatment Processes - Part II	4/30/25	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Solids Handling	5/06/25	8:30 - 11:30 AM	3
Electricity, Motors, & Horsepower	5/07/25	8:30 - 11:30 AM	3
Advanced Pumps & Hydraulics	5/21/25	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Administration, Management & Finance	5/27/25	8:30 - 11:30 AM	3



RECOMMENDED COURSE GUIDE – Spring 2025  
NEIW PCC Massachusetts Wastewater Operator Training (MWOT) Program

**ADDITIONAL TRAINING OPPORTUNITIES**

***Please note that this is not a comprehensive list of available wastewater operator training. There are many other training providers and opportunities available.***

**SELF-STUDY COURSES**

- Sacramento State – Water Programs: <https://www.owp.csus.edu/courses/wastewater.php>
- Water Environment Federation (Wastewater Treatment Fundamentals):  
<https://www.wef.org/resources/publications/books/>
- CEUPlan.com
- RoyCEU.com
- SkillWorks.com
- Clear-Water-Consulting.com

**OTHER WASTEWATER TRAINING PROVIDERS IN NEW ENGLAND**

- Clear Water Consulting
- Falcone Environmental Services
- NEWWTA
- Peterson School
- Practical Applications
- Tighe & Bond
- Wastewater Technology Trainers
- Weston & Sampson
- Local colleges, universities, and community colleges