



RECOMMENDED COURSES

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 Fall 2022, this MWOT Program will be offered virtually through NEIW PCC. We hope to return to in-person training soon. You can view and register for the courses via the following links: <https://portal.neiwpc.org/training-calendar.asp> or [MWOT Catalog](#).

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 also many additional exam preparation opportunities, including other online training providers, correspondence courses, study guides, vendor training, YouTube videos, and asking questions of experienced operators either at your facility or through your state wastewater association (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 to brush up on those topics.

MUNICIPAL GRADES 1 & 2

Class name	Fall 2022		
	Date	Time	TCHs
Introduction to Municipal Wastewater Treatment	09/06/22	8:30 - 11:30 AM	3
Basic Wastewater Math - Part I	09/13/22	8:30 - 11:30 AM	3
Basic Wastewater Math - Part II	09/20/22	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations & Certification Overview	09/21/22	8:30 - 10:30 AM	2
Water Quality & NPDES Permitting	09/22/22	8:30 - 11:30 AM	3
Introduction to Collections Systems	09/28/22	8:30 - 11:30 AM	3
Introduction to Pumps - Part I	09/29/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Preliminary & Primary Treatment	10/04/22	8:30 - 11:30 AM	3
Introduction to Pumps - Part II	10/06/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Secondary Treatment - Session I	10/11/22	8:30 - 11:30 AM	3
Introduction to Laboratory	10/13/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Secondary Treatment - Session II	10/18/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Disinfection	10/25/22	8:30 - 10:30 AM	2
Basic Municipal & Industrial Wastewater – Solids Handling	10/26/22	8:30 - 11:30 AM	3
Wastewater Safety	11/02/22	8:30 - 11:30 AM	3



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MUNICIPAL GRADES 3 & 4

Class name	Fall 2022		
	Date	Time	TCHs
Massachusetts Wastewater Regulations & Certification Overview	09/21/22	8:30 - 10:30 AM	2
Water Quality & NPDES Permitting	09/22/22	8:30 - 11:30 AM	3
Introduction to Pumps - Part I	09/29/22	8:30 - 11:30 AM	3
Introduction to Pumps - Part II	10/06/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Secondary Treatment Session I	10/11/22	8:30 - 11:30 AM	3
Introduction to Water & Wastewater Laboratory	10/13/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Secondary Treatment Session II	10/18/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Disinfection	10/25/22	8:30 - 10:30 AM	2
Basic Municipal & Industrial Wastewater - Solids Handling	10/26/22	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part I	11/01/22	8:30 - 10:30 AM	2
Wastewater Safety	11/02/22	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part II	11/08/22	8:30 - 10:30 AM	2
Laboratory Analyses - pH & Total Residual Chlorine	11/10/22	8:30 - 11:30 AM	3
Laboratory Analyses - Biochemical Oxygen Demand & Dissolved Oxygen	11/17/22	8:30 - 11:30 AM	3
Laboratory Analyses - Bacteria	12/01/22	8:30 - 11:30 AM	3
Laboratory Analyses - Solids	12/08/22	8:30 - 11:30 AM	3

INDUSTRIAL GRADES 1 & 2

Class name	Fall 2022		
	Date	Time	TCHs
Introduction to Industrial Wastewater Treatment	09/07/22	8:30 - 11:30 AM	3
Basic Wastewater Math - Part I	09/13/22	8:30 - 11:30 AM	3
Basic Wastewater Math - Part II	09/20/22	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations & Certification Overview	09/21/22	8:30 - 10:30 AM	2
Introduction to Pumps - Part I	09/29/22	8:30 - 11:30 AM	3
Basic Industrial Wastewater - Characteristics & Chemistry	10/05/22	8:30 - 11:30 AM	3
Introduction to Pumps - Part II	10/06/22	8:30 - 11:30 AM	3
Basic Industrial Wastewater - Treatment Processes	10/12/22	8:30 - 11:30 AM	3
Introduction to Water & Wastewater Laboratory	10/13/22	8:30 - 11:30 AM	3
Basic Industrial Wastewater - pH Neutralization	10/19/22	8:30 - 11:30 AM	3
Basic Municipal & Industrial Wastewater - Solids Handling	10/26/22	8:30 - 11:30 AM	3
Wastewater Safety	11/02/22	8:30 - 11:30 AM	3



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INDUSTRIAL GRADES 3 & 4

Class name	Fall 2022		
	Date	Time	TCHs
Massachusetts Wastewater Regulations & Certification Overview	09/21/22	8:30 - 10:30 AM	2
Introduction to Pumps - Part I	09/29/22	8:30 - 11:30 AM	3
Introduction to Pumps - Part II	10/06/22	8:30 - 11:30 AM	3
Introduction to Water & Wastewater Laboratory	10/13/22	8:30 - 11:30 AM	3
Wastewater Safety	11/02/22	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Treatment Processes Session I	11/09/22	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Treatment Processes Session II	11/16/22	8:30 - 11:30 AM	3
Electricity, Motors, & Horsepower	11/30/22	8:30 - 11:30 AM	3
Advanced Pumps & Hydraulics	12/14/22	8:30 - 11:30 AM	3
Advanced Laboratory Procedures	12/15/22	8:30 - 11:30 AM	3

COMBINED GRADES 5 & 6

Class name	Fall 2022		
	Date	Time	TCHs
Massachusetts Wastewater Regulations & Certification Overview	09/21/22	8:30 - 10:30 AM	2
Water Quality & NPDES Permitting	09/22/22	8:30 - 11:30 AM	3
Basic Industrial Wastewater - pH Neutralization	10/19/22	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part I	11/01/22	8:30 - 10:30 AM	2
Wastewater Safety	11/02/22	8:30 - 11:30 AM	3
Intermediate Wastewater Math - Part II	11/08/22	8:30 - 10:30 AM	2
Advanced Industrial Wastewater - Treatment Processes Session I	11/09/22	8:30 - 11:30 AM	3
Laboratory Analyses - pH & Total Residual Chlorine	11/10/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Treatment Technologies	11/15/22	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Treatment Processes Session II	11/16/22	8:30 - 11:30 AM	3
Laboratory Analyses - Biochemical Oxygen Demand & Dissolved Oxygen	11/17/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Activated Sludge	11/22/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Process Control & Troubleshooting	11/29/22	8:30 - 11:30 AM	3
Electricity, Motors, & Horsepower	11/30/22	8:30 - 11:30 AM	3
Laboratory Analyses - Bacteria	12/01/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Biological Nutrient Removal	12/06/22	8:30 - 11:30 AM	3
Laboratory Analyses - Solids	12/08/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Solids Handling	12/13/22	8:30 - 11:30 AM	3
Advanced Pumps & Hydraulics	12/14/22	8:30 - 11:30 AM	3
Advanced Laboratory Procedures	12/15/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Administration, Management, & Finance	12/20/22	8:30 - 11:30 AM	3



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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