



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 Spring 2022, this MWOT Program will be offered virtually through NEIW PCC. We hope to return to in-person training once it is safe to do so. You can view/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 at either your facility or through 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 level of the Massachusetts operator exam. 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	Spring 2022		
	Date	Time	TCHs
Introduction to Collections Systems	01/27/22	8:30 - 11:30 AM	3
Introduction to Municipal Wastewater Treatment	02/08/22	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations and Certification Overview	02/10/22	9:00 - 11:00 AM	2
Basic Wastewater Math (Session 1)	02/15/22	8:30 - 11:30 AM	3
Basic Wastewater Safety	02/16/22	9:00 - 11:00 AM	2
Basic Wastewater Math (Session 2)	02/22/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Preliminary and Primary Treatment	03/08/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Introduction to Microbiology	03/15/22	8:30 - 11:30 AM	3
Introduction to Pumps (Session 1)	03/23/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Activated Sludge Processes	03/29/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Introduction to Wastewater Laboratory	04/05/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Solids Handling	04/12/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Disinfection	04/19/22	9:00 - 11:00 AM	2



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MUNICIPAL GRADES 3 & 4

Class name	Spring 2022		
	Date	Time	TCHs
Introduction to Collections Systems	01/27/22	8:30 - 11:30 AM	3
Introduction to Municipal Wastewater Treatment	02/08/22	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations and Certification Overview	02/10/22	9:00 - 11:00 AM	2
Basic Wastewater Safety	02/16/22	9:00 - 11:00 AM	2
Water Quality & Effluent Limitations for Wastewater Treatment NPDES Permitting	03/03/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Preliminary and Primary Treatment	03/08/22	8:30 - 11:30 AM	3
Sampling Techniques & Chain of Custody for a Wastewater Treatment Facility	03/10/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Introduction to Microbiology	03/15/22	8:30 - 11:30 AM	3
Introduction to Pumps (Session 1)	03/23/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Activated Sludge Processes	03/29/22	8:30 - 11:30 AM	3
Introduction to Pumps (Session 2)	03/30/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Introduction to Wastewater Laboratory	04/05/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Solids Handling	04/12/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Disinfection	04/19/22	9:00 - 11:00 AM	2
Laboratory Analyses - pH and Total Residual Chlorine	04/21/22	8:30 - 11:30 AM	3
Intermediate Wastewater Math (Session 1)	04/26/22	9:00 - 11:00 AM	2
Laboratory Analyses - Biochemical Oxygen Demand & Dissolved Oxygen	04/28/22	8:30 - 11:30 AM	3
Intermediate Wastewater Math (Session 2)	05/03/22	9:00 - 11:00 AM	2
Laboratory Analyses - Bacteria	05/19/22	8:30 - 11:30 AM	3
Laboratory Analyses - Solids	05/26/22	8:30 - 11:30 AM	3

INDUSTRIAL GRADES 1 & 2

Class name	Spring 2022		
	Date	Time	TCHs
Introduction to Industrial Wastewater Treatment	02/09/22	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations and Certification Overview	02/10/22	9:00 - 11:00 AM	2
Basic Wastewater Math (Session 1)	02/15/22	8:30 - 11:30 AM	3
Basic Wastewater Safety	02/16/22	9:00 - 11:00 AM	2
Basic Wastewater Math (Session 2)	02/22/22	8:30 - 11:30 AM	3
Basic Industrial Wastewater - Physical Chemical Treatment	02/23/22	8:30 - 11:30 AM	3
Basic Industrial Wastewater - Characteristics and Chemistry	03/02/22	8:30 - 11:30 AM	3
Basic Industrial Wastewater - pH Neutralization	03/09/22	8:30 - 11:30 AM	3
Basic Industrial Wastewater - Solids Handling and Filtration	03/16/22	8:30 - 11:30 AM	3
Introduction to Pumps (Session 1)	03/23/22	8:30 - 11:30 AM	3
Basic Municipal Wastewater - Introduction to Wastewater Laboratory	04/05/22	8:30 - 11:30 AM	3



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INDUSTRIAL GRADES 3 & 4

Class name	Spring 2022		
	Date	Time	TCHs
Sampling Techniques & Chain of Custody for a Wastewater Treatment Facility	03/10/22	8:30 - 11:30 AM	3
Introduction to Pumps (Session 1)	03/23/22	8:30 - 11:30 AM	3
Introduction to Pumps (Session 2)	03/30/22	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Treatment Processes	04/13/22	8:30 - 11:30 AM	3
Advanced Industrial Wastewater - Metals Treatment Processes	04/20/22	8:30 - 11:30 AM	3
Massachusetts Wastewater Regulations and Certification Overview	04/27/22	9:00 - 11:00 AM	2
Advanced Wastewater Safety	05/11/22	8:30 - 11:30 AM	3
Advanced Pumps and Hydraulics	06/01/22	8:30 - 11:30 AM	3
Electricity, Motors, & Horsepower	06/08/22	8:30 - 11:30 AM	3
Advanced Wastewater Sampling, Laboratory, & Microbiology	06/16/22	8:30 - 11:30 AM	3

COMBINED GRADES 5 & 6

Class name	Spring 2022		
	Date	Time	TCHs
Water Quality & Effluent Limitations for Wastewater Treatment NPDES Permitting	03/03/22	8:30 - 11:30 AM	3
Sampling Techniques & Chain of Custody for a Wastewater Treatment Facility	03/10/22	8:30 - 11:30 AM	3
Laboratory Analyses - pH and Total Residual Chlorine	04/21/22	8:30 - 11:30 AM	3
Intermediate Wastewater Math (Session 1)	04/26/22	9:00 - 11:00 AM	2
Massachusetts Wastewater Regulations and Certification Overview	04/27/22	9:00 - 11:00 AM	2
Laboratory Analyses - Biochemical Oxygen Demand and Dissolved Oxygen	04/28/22	8:30 - 11:30 AM	3
Intermediate Wastewater Math (Session 2)	05/03/22	9:00 - 11:00 AM	2
Basic Industrial Wastewater - pH Neutralization	05/04/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Treatment Technologies	05/10/22	8:30 - 11:30 AM	3
Advanced Wastewater Safety	05/11/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Process Control & Troubleshooting	05/17/22	8:30 - 11:30 AM	3
Laboratory Analyses – Bacteria	05/19/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Activated Sludge	05/24/22	8:30 - 11:30 AM	3
Laboratory Analyses – Solids	05/26/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Biological Nutrient Removal	05/31/22	8:30 - 11:30 AM	3
Advanced Pumps and Hydraulics	06/01/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Solids Handling	06/07/22	8:30 - 11:30 AM	3
Electricity, Motors, & Horsepower	06/08/22	8:30 - 11:30 AM	3
Advanced Municipal Wastewater - Administration, Management, & Finance	06/14/22	8:30 - 11:30 AM	3
Advanced Wastewater Sampling, Laboratory, & Microbiology	06/16/22	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

FREE COURSES OFFERED BY BRISTOL COMMUNITY COLLEGE

Through a grant from the DESE Integrated Education & Training Program, BCC has been offering the following water and wastewater courses at no charge (students must purchase the course books):

Section	Course Title	Credits
EGR 143.GRA	Conceptual Math for Environmental Technicians	3
EGR 241.GRA	Clean Water Technology 1 (Wastewater Treatment)	4
EGR 242.STM	Clean Water Technology 2 (Wastewater Treatment)	4
EGR 248.STM	Advanced Water Treatment (Drinking Water)	4

For more information, please contact Robert Rak at Robert.Rak@bristolcc.edu.

OTHER TRAINING PROVIDERS IN NEW ENGLAND

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