

RECOMMENDED COURSES
NEIWPC Massachussets Wastewater Operator Training (MWOT) Program

ONLINE FALL PROGRAM

Due to classroom size restrictions due to COVID-19 the Board of Wastewater Operator Certification has come up with a list of recommended online courses to prepare for the Grade 1, 2, 3, 4 Municipal Exam and the Grade 1, 2 Industrial Exam. The MWOT Program will offered online this fall through NEIWPC.

There are also a wide range of additional courses available (online, correspondence, manuals/book study, vendor training, youtube videos, asking questions of experienced operators at your facility or through MAWEA). We understand it may take a combo of training approaches this fall to prepare for the wastewater exams.

We hope to have in person training again soon once it is safe to do so. If you know of additional courses that can supplement the courses listed below please contact John Murphy (john.j.murphy@mass.gov, 617-352-3375).

LINK TO COURSES: <https://portal.neiwpc.org/training-calendar.asp>

Recommended Courses for to prepare for the Massachusetts Wastewater Operator Exam (Gr.1-4 – Municipal)

Basic Operation of Municipal WWTP

- Intro to Municipal Wastewater Treatment
- Intro to Industrial Wastewater Treatment
- Massachusetts Wastewater Regulations and Certification Overview
- Wastewater Centrifugal Pumps 101
- Wastewater Centrifugal Pumps 201
- Collection Systems 101
- Collection Systems 201
- Municipal Wastewater - Preliminary and Primary Treatment
- Activated Sludge Processes
- Introduction to Microbiology
- Introduction to Wastewater Laboratory
- Municipal Wastewater - Disinfection
- Wastewater Safety
- Municipal Wastewater - Solids Handling

Wastewater Math Courses (Grade 1M-2M)

- Wastewater Basic Math (Session 1)
- Wastewater Basic Math (Session 2)
- Wastewater Basic Math (Session 3)

Wastewater Math Courses (Grade 3M-4M)

- Applied Wastewater Math (Session 1)
- Applied Wastewater Math (Session 2)
- Applied Wastewater Math (Session 3)

Laboratory Procedures

- Water Quality and Effluent Limitations for Wastewater Treatment NPDES Permitting
- Sampling Techniques and Chain of Custody for a Wastewater Treatment Facility
- Laboratory Analyses - pH and Total Residual Chlorine
- Laboratory Analyses - Biochemical Oxygen Demand and Dissolved Oxygen
- Laboratory Analyses - Solids
- Laboratory Analyses - Bacteria

Recommended Courses for to prepare for the Massachusetts Wastewater Operator Exam (Gr.1-2 – Industrial)

Basic Industrial WWT

- Intro to Municipal Wastewater Treatment
- Intro to Industrial Wastewater Treatment
- Wastewater Centrifugal Pumps 101
- Wastewater Centrifugal Pumps 201
- Industrial Wastewater - Characteristics/Chemistry
- Industrial Wastewater - Physical Chemical Treatment
- Introduction to Wastewater Laboratory
- Industrial Wastewater - Solids Handling and Filtration
- Wastewater Safety

Wastewater Math Courses (Grade 1I-2I)

- Wastewater Basic Math (Session 1)
- Wastewater Basic Math (Session 2)
- Wastewater Basic Math (Session 3)

Courses can be supplemented for above training courses.

(This is not a comprehensive list of all trainings. There are many additional trainings that can be submitted for the above and below list.)

TRAINERS FOR TYPICAL 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

OTHER NEW ENGLAND TRAINING PROVIDERS:

- Falcone Environmental Services
- NEWWTA
- Peterson School
- Practical Applications
- Tighe & Bond
- Wastewater Technology Trainers

Starting September 8th and running through December 18th Bristol Community College will be offering the following courses for free online (must register through Bristol Community College by 9/1/20, students are responsible for purchase of required books and manuals):

- EGR 143 Conceptual Math for Environmental Technicians
- EGR 145 Computer Systems in the Water Industry
- EGR 241 Clean Water Technology 1 (WW)
- EGR 242 Clean Water Technology 2 (WW)
- EGR 244 Basic Water Treatment (DW)
- EGR 246 Collection Systems (WW)
- EGR 249 Distribution Systems (DW)