

## Calendar of Events

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September 17, 2019      **Northern MI Operators Seminar**  
**Otsego Club**  
**696 M-32 East**  
**Gaylord, MI 49734**  
Rachel Estis, 5176417377  
Restis@mi-wea.org

*The Northern Michigan Operators Committee is hosting their Annual Seminar on Tuesday, September 17th in Gaylord, at the Otsego Club.*

*Agenda Topics include Best Practices for Public Relations and Dealing with Difficult Customers, PFAS & Your Lagoon: Problems, Pitfalls & Potential Solutions, Lab Operations & New Lab Start-Up During and After Construction, What to Expect from Plant Inspections, and Much MORE!*

September 17, 2019      **Fund. of Wastewater Math II - North Kent**  
**North Kent Sewer Authority**  
**4775 Coit Ave**  
**Grand Rapids, MI 49525**  
07:00 AM - 03:00 PM EST

September 19, 2019      **Health & Safety Seminar**  
**North Kent Sewer Authority**  
**4775 Coit Ave.**  
**Grand Rapids, MI 49525**  
08:30 AM - 03:45 PM EST  
Rachel Estis, 517-641-7377  
restis@mi-wea.org

*This joint seminar hosted by MWEA & AWWA is designed to update water and wastewater utilities on current regulations and safe practices required when working on collections and distribution systems within Michigan. Ideal for supervisors, personnel in charge of department safety, collection systems staff, plant employees (especially electricians and mechanics), water and wastewater operators, and all employees who need to be safety conscious.*

September 19, 2019

**Fund. of Preliminary, Primary & Secondary Treatment - Boyne City**

**Boyne City WTP**

**319 N Lake St**

**Boyne City, MI 49712**

09:00 AM - 04:00 PM EST

*The path of wastewater is a long and winding one, beginning at its source (domestic, commercial, and industrial) and ending with its clean, safe return to surface water or groundwater where it can take its place in the hydrological cycle. This course picks up the journey of wastewater as it arrives at the plant (influent).*

*Secondary clarification signifies the end of the biological treatment portion of wastewater treatment. Often referred to as 'polishing', it is the last component of the solids removal process and happens just before tertiary treatment or disinfection, depending on the process employed by the individual plant.*

*This course offers a thorough examination of the process and provides strategies and tools necessary to address the operation of this segment of treatment.*

*Registration: 8:30 am*

*Class Starts: 9:00 am*

*Class Ends: 4:00 pm*

*CEC Information:*

*0.6 WW Technical*

*Course Code: 2598*

September 20, 2019

**Fund. of Maintenance Practices I - Linden**

**Linden WRRF**

**6450 Silver Lake Rd**

**Linden, MI 48451**

07:00 AM - 03:00 PM EST

*Wastewater treatment facilities are among a community's greatest assets, both in terms of value to the quality of life of its citizenry and capital investment. It is imperative that those in charge of said facilities take the utmost care of these crucial resources.*

*Having a good plan for maintaining the equipment of each component is only the beginning. Personnel assigned to perform the tasks associated with prolonging the life of the system assets must receive proper training. While some of the maintenance can be quite specific to certain devices, there are many general principles, practices and skills that are helpful in almost every maintenance application.*

*Persons completing this class will have a better base of knowledge and/or skills towards contributing to the overall success of any maintenance program.*

*Registration: 7:00 am*

*Class Starts: 7:30 am*

*Class Ends: 3:00 pm*

*CEC Information:*

*0.6 WW & DW Technical*

*WW Course Code: 2430*

*DW Course Code: 2530*

September 21, 2019  
- September 25, 2019

**WEFTEC 2019**  
**McCormick Place**  
**2301 S. King Dr.**  
**Chicago, IL 60616**  
*92nd Annual WEFTEC*  
*McCormick Place - Chicago, Illinois*

*Conference: September 21 - 25, 2019*  
*Exhibition: September 23 - 25, 2019*

*WEFTEC®, the Water Environment Federation's Annual Technical Exhibition and Conference, is recognized as the world's largest annual water quality exhibition. WEFTEC's massive exhibition and technical program provide unparalleled access to the field's most cutting-edge information, technologies, services, and networking.*

September 22, 2019

**Pedal with a Purpose Bicycle Ride**

*September 22, 2019*  
*9:00 AM - 1:00 PM*  
*Bike and Roll Chicago (239 E. Randolph St., Chicago, IL 60601)*  
*Admission fee(s): \$50.00 or \$80.00*

*The 12th Annual "Pedal with a Purpose" is organized and hosted by volunteers.*

*Guests of all cycling abilities are encouraged to participate. Participants will be divided into groups, each group riding at a pace suited to their abilities and paced by a group leader. Rest stops with refreshments are planned. All participants will receive a colorful t-shirt! Once registered, you'll receive an e-mail from the ride organizer to obtain your t-shirt size, bike preference, and other information.*

*Proceeds from the ride support Water For People's mission to promote the development of high-quality drinking water and sanitation services, accessible to all, and sustained by strong communities, businesses, and governments. To date, WEFTEC bicycle rides have raised more than \$20,000 for Water For People.*

*Admission can be purchased through WEFTEC conference registration until close of business on August 30. [Click here to register with your WEFTEC Registration](#)*

September 23, 2019

**Michigan Night at WEFTEC - Chicago**  
**Kimpton Hotel Palomar Chicago**  
**505 North State Street**  
**Chicago, IL 60654**  
06:00 PM - 07:30 PM EST  
MWEA, 517-641-7377  
mwea@mi-wea.org

September 25, 2019

**MWEA Bus Trip to WEFTEC Chicago**

**McCormick Place**

**2301 S. King Dr.**

**Chicago, IL 60616**

Varies by departure location

MWEA, 517-641-7377

mwea@mi-wea.org

*SPACE IS LIMITED - Register soon!*

*Join MWEA for a day-trip to Chicago to see the exhibits at the 92nd Annual WEFTEC. There will be 2 buses with different pickup locations available.*

*The cost of the trip is only \$100, and there is no charge to walk the exhibit floor.*

*Bus #1: BRIGHTON -> LANSING -> CHICAGO*

*Tentative Times: Brighton Pickup @ 5 a.m., Lansing Pickup @ 6 a.m. - Depart Chicago at 4 p.m. (Central time) - Arrive back in Lansing around 9 p.m. and Brighton around 10 p.m.*

*Bus #2: GRAND RAPIDS -> KALAMAZOO -> CHICAGO*

*Tentative Times: Grand Rapids Pickup @ 6 a.m., Kalamazoo (Portage) Pickup @ 7 a.m. - Depart Chicago at 4 p.m. (Central time) - Arrive back in Kalamazoo around 9 p.m. and Grand Rapids by 10 p.m.*

*(All times are in Eastern Standard Time unless noted)*

*CECs: 0.2 "Other" Wastewater and Drinking Water*

*Course Code: 1871*

September 27, 2019

**Fund. of Maintenance Practices II - Linden**

**Linden WRRF**

**6450 Silver Lake Rd**

**Linden, MI 48451**

**07:00 AM - 03:00 PM EST**

September 27, 2019

**\*\*Basic Training Classes in the Upper Peninsula\*\***

**Bay College**

**2001 N. Lincoln Rd.**

**Escanaba, Mi 49829**

07:00 AM - 03:30 PM EST

*The following classes will be held at Bay College in Escanaba:*

*Purpose and Fundamentals of Wastewater Treatment*

*Friday, August 9, 2019*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*EGLE CEC: 0.5 WW Technical Code: 2424*

*Fundamentals of Wastewater Math 1*

*Friday, August 23, 2019*

*Registration: 7:00 a.m. | Class: 7:30 a.m. - 3:30 p.m.*

*EGLE CEC: 0.6 WW Technical Code: 1776*

*Fundamentals of Activated Sludge 1*

*Friday, September 13, 2019*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*EGLE CEC: 0.5 WW Technical Code: 1910*

*Fundamentals of Anaerobic Digester Operation and Control*

*Friday, September 27, 2019*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*EGLE CEC: 0.5 WW Technical Code: 2134*

*C & D Exam Prep*

*Thursday, October 31 & Friday, November 1*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*\*\*\*Choose the class(es) you wish to attend in the drop down inside attendee registration.\*\*\**

October 1, 2019  
- October 2, 2019

**" FULL " A and B License Exam Preparation - FALL 2019**

**Various**

07:30 AM - 03:00 PM EST

*Participants should bring a calculator and have basic knowledge of wastewater treatment methods and equipment.*

*October 1 & 2: Bath*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 9 & 10: Bath CANCELED*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 22 & 23: Linden*

*Registration: 7:30 a.m. Class: 8:00 a.m. - 3:00 p.m.*

*Note: There are no CECs available as this is a class to help you study for the exam.*

October 2, 2019  
- October 3, 2019

**C and D License Exam Preparation - FALL 2019**

**Various**

07:30 AM - 03:00 PM EST

*Participants should bring a calculator and have basic knowledge of wastewater treatment methods and equipment.*

*October 2 & 3: Linden WRRF*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 9 & 10: North Kent*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 15 & 16: Kalamazoo Water Reclamation Plant*

*Registration: 7:30 a.m. Class: 8:00 a.m. - 3:00 p.m.*

*October 23 & 24 : Kennedy Industries*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*Note: There are no CECs available as this is a class to help you study for the exam.*

October 8, 2019

**IPP Seminar**  
**Eagle Eye Banquet Facility**  
**15500 Chandler Rd**  
**East Lansing, MI 48808**  
07:00 AM - 05:00 PM EST  
Rachel Estis, 517-641-7377  
restis@mi-wea.org

*The Industrial Pretreatment Program Committee is hosting their Annual Seminar on Tuesday, October 8, 2019 in East Lansing at the Eagle Eye Banquet Facility.*

*View the full agenda here!*

October 9, 2019  
- October 10, 2019

**C and D License Exam Preparation - FALL 2019**

**Various**

07:30 AM - 03:00 PM EST

*Participants should bring a calculator and have basic knowledge of wastewater treatment methods and equipment.*

*October 2 & 3: Linden WRRF*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 9 & 10: North Kent*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 15 & 16: Kalamazoo Water Reclamation Plant*

*Registration: 7:30 a.m. Class: 8:00 a.m. - 3:00 p.m.*

*October 23 & 24 : Kennedy Industries*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*Note: There are no CECs available as this is a class to help you study for the exam.*

October 9, 2019

**Asset & Infrastructure Management Committee Meeting**  
**Michigan Water Environment Association**  
**5815 E. Clark Rd., Suite F**  
**Bath, MI 48808**

*The next meeting of the Asset & Infrastructure Management Committee will be held on Wednesday, September 9th, 2019 at 10:30 am. Lunch will be provided.*

*Location: MWEA Office in Bath, MI*

*For call in: 1-800-747-5150*

*Access Code: 6417377*

October 15, 2019  
- October 16, 2019

**C and D License Exam Preparation - FALL 2019**

**Various**

07:30 AM - 03:00 PM EST

*Participants should bring a calculator and have basic knowledge of wastewater treatment methods and equipment.*

*October 2 & 3: Linden WRRF*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 9 & 10: North Kent*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 15 & 16: Kalamazoo Water Reclamation Plant*

*Registration: 7:30 a.m. Class: 8:00 a.m. - 3:00 p.m.*

*October 23 & 24 : Kennedy Industries*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*Note: There are no CECs available as this is a class to help you study for the exam.*



October 16, 2019

**Collections Seminar**  
**Eagle Eye Banquet Facility**  
**15500 Chandler Road**  
**East Lansing, MI 48823**  
Rachel Estis, 5176417377  
restis@mi-wea.org

*This seminar is for operators, maintenance personnel and designers, as well as suppliers of services, products and equipment. This program is designed to bring those working in this field together for the benefit of ongoing solutions to collection issues and learning about resources available to assist. The Collections Committee is hosting their Annual Seminar on Wednesday, October 16th in East Lansing at Eagle Eye Banquet Center.*

*[View full agenda here](#)*

October 17, 2019

**Fund. of Tertiary Treatment & Wastewater Disinfection - Boyne City**  
**Boyne WTP**  
**319 N Lake St**  
**Boyne City, MI 48451**  
09:00 AM - 04:00 PM EST

*This course picks up the journey of wastewater as it nears the end of its trail through the treatment plant. This is where the pathogens are removed, preparing the water to be returned to the hydrological cycle in a safe form. Once the water passes through this stage it must pass a number of rigid tests and comply with numerous state and federal regulations.*

*Registration: 8:30 am*  
*Class Starts: 9:00 am*  
*Class Ends: 4:00 pm*

*CEC Information:*  
*0.6 WW Technical*  
*Course Code: 2599*

October 22, 2019  
- October 23, 2019

**" FULL " A and B License Exam Preparation - FALL 2019**

**Various**

07:30 AM - 03:00 PM EST

*Participants should bring a calculator and have basic knowledge of wastewater treatment methods and equipment.*

*October 1 & 2: Bath*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 9 & 10: Bath CANCELED*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 22 & 23: Linden*

*Registration: 7:30 a.m. Class: 8:00 a.m. - 3:00 p.m.*

*Note: There are no CECs available as this is a class to help you study for the exam.*

October 23, 2019  
- October 24, 2019

**C and D License Exam Preparation - FALL 2019**

**Various**

07:30 AM - 03:00 PM EST

*Participants should bring a calculator and have basic knowledge of wastewater treatment methods and equipment.*

*October 2 & 3: Linden WRRF*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 9 & 10: North Kent*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*October 15 & 16: Kalamazoo Water Reclamation Plant*

*Registration: 7:30 a.m. Class: 8:00 a.m. - 3:00 p.m.*

*October 23 & 24 : Kennedy Industries*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*Note: There are no CECs available as this is a class to help you study for the exam.*

October 24, 2019  
- October 25, 2019

**Leadership Retreat**  
**DoubleTree By Hilton - Bay City, MI**  
**1 Wenonah Park Place**  
**Bay city, MI 48708**

Kathryn Yusko, 517-641-7377  
kyusko@mi-wea.org

*By invitation only for volunteer leaders of the MWEA. For more information, please contact MWEA.*

*[Click here to view the agenda!](#)*

October 29, 2019

**Maintenance Seminar**  
**Eagle Eye Banquet Facility**  
**15500 Chandler Rd**  
**Bath Twp, MI 48808**

07:00 AM - 05:00 PM EST  
Rachel Estis, 517-641-7377  
restis@mi-wea.org

*Join us to explore what it looks like to run a good maintenance program and different tools to make your maintenance plan efficient.*

October 29, 2019

**Fund. of Wastewater Math I - Linden**  
**Linden WRRF**  
**6450 Silver Lake Road**  
**Linden, MI 48451**

07:00 AM - 03:00 PM EST

October 30, 2019

**Fund. of Anaerobic Digester and Control - Grand Rapids**  
**Grand Rapids WRRF**  
**1300 Market Ave**  
**Grand Rapids, MI 49503**

07:30 AM - 03:00 PM EST

October 31, 2019

**Basic Health and Safety Practices - Linden**

**Linden WRRF**

**6450 Silver Lake Road**

**Linden, MI 48451**

07:00 AM - 03:00 PM EST

*The misconception that staying safe and healthy while on the job is simply common sense is held by many. Creating and maintaining a culture of 'safety first' takes a great deal of training, emphasis and reinforcement. This class can be an important part of such a program.*

*Registration: 7:00 am*

*Class Starts: 7:30 am*

*Class Ends: 3:00 pm*

*Course Code: 2423*

*0.6 WW Technical CECs Available*

October 31, 2019  
- November 1, 2019

**\*\*Basic Training Classes in the Upper Peninsula\*\***

**Bay College**

**2001 N. Lincoln Rd.**

**Escanaba, Mi 49829**

07:00 AM - 03:30 PM EST

*The following classes will be held at Bay College in Escanaba:*

*Purpose and Fundamentals of Wastewater Treatment*

*Friday, August 9, 2019*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*EGLE CEC: 0.5 WW Technical Code: 2424*

*Fundamentals of Wastewater Math 1*

*Friday, August 23, 2019*

*Registration: 7:00 a.m. | Class: 7:30 a.m. - 3:30 p.m.*

*EGLE CEC: 0.6 WW Technical Code: 1776*

*Fundamentals of Activated Sludge 1*

*Friday, September 13, 2019*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*EGLE CEC: 0.5 WW Technical Code: 1910*

*Fundamentals of Anaerobic Digester Operation and Control*

*Friday, September 27, 2019*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*EGLE CEC: 0.5 WW Technical Code: 2134*

*C & D Exam Prep*

*Thursday, October 31 & Friday, November 1*

*Registration: 7:30 a.m. | Class: 8:00 a.m. - 3:00 p.m.*

*\*\*\*Choose the class(es) you wish to attend in the drop down inside attendee registration.\*\*\**

November 4, 2019

**Fund. of Maintenance Practices I - Kalamazoo**  
**Kalamazoo Water Reclamation Plant**  
**1415 Harrison St**  
**Kalamazoo, MI 49007**  
07:00 AM - 03:00 PM EST

November 13, 2019

**Fund. of Maintenance Practices II - Bath**  
**MWEA - Bath**  
**5815 Clark Rd**  
**Bath, MI 48808**  
07:00 AM - 03:00 PM EST

November 14, 2019

**Fund. of Activated Sludge I - Kalamazoo**  
**Kalamazoo Water Reclamation Plant**  
**1415 Harrison Street**  
**Kalamazoo, MI 49007**  
07:30 AM - 03:00 PM EST

*This program explains the basis for specific process control strategies, the calculations used to implement them and the sampling programs to support them. Also included are general biological concepts related to activated sludge plants and the factors that affect these processes.*

*This course will serve as an excellent part of EGLE Operator Certification exam preparation.*

*Registration: 7:30am*  
*Class Starts: 8:00 am*  
*Class Ends: 3:00 pm*

*CEC Information:*  
*0.5 WW Technical*  
*Course Code: 1910*

November 19, 2019

**Fund. of Wastewater Math II - Linden**  
**Linden WRRF**  
**6450 Silver Lake Dr**  
**Linden, MI 48451**  
07:00 AM - 03:00 PM EST

November 20, 2019

**Purpose and Fund. of Wastewater Treatment - Bath**  
**MWEA Office**  
**5815 Clark Rd.**  
**Bath, MI 48808**  
07:30 AM - 03:00 PM EST

*This course appropriately begins with the water cycle. It is an overview of the wastewater treatment process, beginning to end. This gives the individual the concepts of the entirety and impact of the work done in treatment plants. This class will be excellent for those new to the profession and those who have had a limited scope of job duties.*

*This will be a unique opportunity of great value to persons providing products and service in the wastewater industry.*

*Registration: 7:30 am*  
*Class Starts: 8:00 am*  
*Class Ends: 3:00 pm*

*Course Code: 2424*  
*0.5 Technical Credits*

November 21, 2019

**Fund. of Activated Sludge II - Kalamazoo**  
**Kalamazoo Water Reclamation Plant**  
**1415 Harrison St**  
**Kalamazoo, MI 49007**  
07:30 AM - 03:00 PM EST

December 3, 2019

**Watershed & Stormwater Seminar - East Lansing**

**Eagle Eye Banquet Facility**

**15500 Chandler Road**

**East Lansing, MI 48823**

07:00 AM - 05:00 PM EST

Rachel Estis, 517-641-7377

restis@mi-wea.org

*The Watershed & Stormwater Committee will hold their annual seminar Tuesday, December 3rd, 2019 in East Lansing at the Eagle Eye Banquet Center.*

*More information coming soon!*

December 5, 2019

**Fund. of Preliminary, Primary & Secondary Treatment - Bath**

**MWEA Offices**

**5815 Clark Rd**

**Bath, MI 48808**

08:00 AM - 03:00 PM EST

*The path of wastewater is a long and winding one, beginning at its source (domestic, commercial, and industrial) and ending with its clean, safe return to surface water or groundwater where it can take its place in the hydrological cycle. This course picks up the journey of wastewater as it arrives at the plant (influent).*

*Secondary clarification signifies the end of the biological treatment portion of wastewater treatment. Often referred to as 'polishing', it is the last component of the solids removal process and happens just before tertiary treatment or disinfection, depending on the process employed by the individual plant.*

*This course offers a thorough examination of the process and provides strategies and tools necessary to address the operation of this segment of treatment.*

*Registration: 7:30 am*

*Class Starts: 8:00 am*

*Class Ends: 3:00 pm*

*CEC Information:*

*0.6 WW Technical*

*Course Code: 2598*



December 11, 2019

**Basic Health and Safety Practices - Bath**

**MWEA Offices**

**5815 Clark Rd**

**Bath, MI 48808**

07:00 AM - 03:00 PM EST

*The misconception that staying safe and healthy while on the job is simply common sense is held by many. Creating and maintaining a culture of 'safety first' takes a great deal of training, emphasis and reinforcement. This class can be an important part of such a program.*

*Registration: 7:00 am*

*Class Starts: 7:30 am*

*Class Ends: 3:00 pm*

*CEC Information:*

*0.6 WW and DW (Other)*

*Course Code: 2423*