



# 2022 Fall MRWA Review Classes

## Water | Math | Wastewater | Lagoon Operations

This brochure includes classes for the entire state of Michigan

### HOW TO REGISTER FOR AN MRWA CLASS ON OUR WEBSITE

**Did you get this brochure with your name on it? If so, you are in the database.**

**DO NOT create an account.** Call the MRWA office if you do not know what email address we have on file for you.

Go to [mrwa.net](http://mrwa.net) click login at the very top of the page, enter your email and follow the prompts to set up a password. (If you are not found, call the MRWA office, do not create an account)

Note: Even though membership is by community, accounts in the system are by person

Once you are logged in your name will appear at the very top of the page

You can register any of the employees in your community now

Go to events tab, Select event, Enter # of tickets you need (attendees), Click continue

**In the attendee field start typing the attendee's LAST NAME and select the pop-up name.** The rest of the fields for that attendee will populate if we have the info in the database.

Note: Do not overwrite the info in the populated field unless it has changed. For Example: City of XYZ do not change it to City of XYZ Water Department. Individuals are tied to the specific city name. Or Benjamin Smith do not overwrite to Ben Smith. Benjamin Smith is tied to the city membership—Ben Smith is not.

Please make sure we have the attendee cell phone and attendee email address.

Repeat for each additional attendee.

Click Continue

At the end select invoice (bill to you so the invoice comes to you) Or pay with credit card

If registering for multiple classes, you will need to register and checkout for each class.

# Water Certification Review Courses



## 1.2 CECs, Water Technical

*You must attend the entire class to earn the CECs*

Michigan Rural Water Association has compiled review courses for those planning to take the water treatment and distribution Certification Test. The course will be instructed by an experienced water operator. The course content has been structured based on the DEQ study guide for waterworks operator certification exams. Concentration will be placed on reviewing math skills, system maintenance, chlorination, sampling, and other areas necessary to help you study for your certification exam. During this two-day review course, your instructor will answer your questions and provide tips on test-taking.

### TOPICS WILL INCLUDE

Chlorination	Contingencies & Emergencies	Corrosion
Cross Connections	Customer Relations	Fluoridation
Hardness/Softening	Hydrants	Hydraulics
Instrumentation	Iron Removal	Main Installation
Management	Meters	Microbiology
O&M	Phosphate	Pipes & Joints
Pumps & Motors	Record Keeping	Safety
Sampling	SDWA	Storage
Taste & Odor	Valves	Wells
Water Quality		

### AGENDA

8:30 a.m.	Class Begins
10:30 a.m.	Break
10:45 a.m.	Class Resumes
Noon	Lunch (provided)
1:00 p.m.	Class Resumes
2:30 p.m.	Break
2:45 p.m.	Class Resumes
4:00 p.m.	Class Adjourns

**Payment/Cancellation Policy:** Payment is expected prior to class. Cancellations must be requested at least 3 business days prior to the start of the class, or your registration fee will be forfeited. If you cancel least 3 business days prior to the start of class, the full amount will be refunded. You may send a substitute attendee.

# Distribution S1 & S2

<b>October 19-20, 2022</b> Bakers of Milford 2025 S Milford Rd Milford MI 48381	<b>October 25-26, 2022</b> English Hills Terrace 5179 West River Drive NE Comstock Park MI 49321	<b>October 25-26, 2022</b> Online via zoom
--	---	---

Need last-minute help? If you attend one of the two-day math or review classes, we will automatically register you for the zoom math review on October 31. You will receive a separate email for that registration. Your choice to attend or not. If you want to come in person on Oct 31, class fee applies.

**Circle the class you want to register for.**

*Members \$320 per attendee  
Non-Members \$420 per attendee*

**Attendee cell phone and email address are required for all attendees. Registration will not be processed without these.** Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____
Card number:
Expiration date: _____ CSC code: _____
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.

# Distribution S3 & S4

<b>October 4-5, 2022</b> Chelsea Comfort Inn & Village Conference Center 1645 Commerce Park Drive Chelsea, MI 48118	<b>October 11-12, 2022</b> Grayling City Hall 1020 City Boulevard Grayling MI 49738	<b>October 19-20, 2022</b> Bakers of Milford 2025 S Milford Rd Milford MI 48381
<b>October 25-26, 2022</b> English Hills Terrace 5179 West River Drive NE Comstock Park MI 49321	<b>October 25-26, 2022</b> Online via zoom	

*Circle the class you want to register for.*

*Members \$320 per attendee  
Non-Members \$420 per attendee*

Need last-minute help? If you attend one of the two-day math or review classes, we will automatically register you for the zoom math review on October 31. You will receive a separate email for that registration. Your choice to attend or not. If you want to come in person on Oct 31, class fee applies.

**Attendee cell phone and email address are required for all attendees. Registration will not be processed without these.**

Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____ Card number:
Expiration date: _____ CSC code: _____
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.

# Limited Treatment (D Certification) Review

<b>October 5-6, 2022</b> Quality Inn 2980 Cook Rd West Branch MI 48661	<b>October 11-12, 2022</b> City of Marshall 900 S. Marshall Ave Marshall MI 49068	<b>October 11-12, 2022</b> Online via zoom
---	--	---

Need last-minute help? If you attend one of the two-day math or review classes, we will automatically register you for the zoom math review on October 31. You will receive a separate email for that registration. Your choice to attend or not. If you want to come in person on Oct 31, class fee applies.



*Circle the class you want to register for.*

*Members \$320 per attendee  
Non-Members \$420 per attendee*

**Attendee cell phone and email address are required for all attendees. Registration will not be processed without these.** Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____
Card number:
Expiration date: CSC code:
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.

# UP Water Review *(Distribution D3, D4 & Limited Treatment)*

## 1.2 CECs, Water Technical

*You must attend the entire class to earn the CECs*



Michigan Rural Water Association has compiled review courses for those planning to take the Distribution Certification Test. The course will be instructed by an experienced water operator. The course content has been structured based on the EGLE study guide for waterworks operator certification exams. Concentration will be placed on reviewing math skills, system maintenance, chlorination, sampling, and other areas necessary to help you study for your certification exam.

### TOPICS WILL INCLUDE

Chlorination	Contingencies & Emergencies	Corrosion	Cross Connections	Customer Relations	Fluoridation
Hardness/Softening	Hydrants	Hydraulics	Instrumentation	Iron Removal	Main Installation
Management	Meters	Microbiology	O&M	Phosphate	Pipes & Joints
Pumps & Motors	Record Keeping	Safety	Sampling	SDWA	Storage
Taste & Odor	Valves	Wells	Water Quality		

### AGENDA

8:30 a.m.	Class Begins
Noon	Lunch Break (Lunch will be provided)
1:00 p.m.	Class Resumes
4:00 p.m.	Class Adjourns

**Attendee cell phone and email address are required for all attendees. Registration will not be processed without these.**

Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.

Need last-minute help? If you attend one of the two-day math or review classes, we will automatically register you for the zoom math review on October 31. You will receive a separate email for that registration. Your choice to attend or not. If you want to come in person on Oct 31, class fee applies.

**Oct 5-6, 2022**  
**Ishpeming Township Hall**  
**1575 US Highway 41W**  
**Ishpeming, MI 49849**

*Members \$320 per attendee*  
*Non-Members \$420 per attendee*

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: _____ Charge my credit card info below: _____
Visa _____ Mastercard _____ Discover _____
Card number:
Expiration date: _____ CSC code: _____
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.

# 2 Day Math



## 1.1 CECs, Water Technical

*You must attend the entire class to earn the CECs*

This class starts off with basic mathematical concepts such as “how to use a calculator”, “how to solve for X”, and “how to use and apply mathematical formulas”. We then go into practical mathematics for water operators, starting with basic concepts on day one and advancing to mathematics needed for the seasoned operator, such as the allowable leakage calculation for new water mains and the basic Bernoulli equation.

**Our Goals:** To give water operators a basic mathematical foundation that will allow them to approach any math problem with confidence and advance their career. To inspire students to believe that a math problem is “just a problem” that can be approached and solved like any problem they encounter.

AGENDA Day 1	
8.30am – 10.00am	Basic Math Concepts
10.15 am - 12.00pm	Areas & Volumes
Noon	Lunch (provided)
12:45pm – 2pm	Chemical feed and disinfection
2.15pm – 3.30pm	Calculating pounds & ppm chlorine
3:30pm	Adjourn
AGENDA Day 2	
8:30am – 10am	Hydraulic Calculations
10:15am – Noon	Horsepower, Continuity Equation, etc.
Noon	Lunch (provided)
12:45pm – 2pm	Bernoulli Equation
2:15pm – 3:30pm	Allowable leakage & other calculations
3:30pm	Adjourn

**About your instructor:** Mike Engels provides mathematics instruction to water and wastewater operators across Michigan. Time after time, students in those courses express their gratitude to Mike for his ability to convey mathematics in a way they can understand.

**Payment/Cancellation Policy:** Payment is expected prior to class. Cancellations must be requested at least 3 business days prior to the start of the class, or your registration fee will be forfeited. If you cancel least 3 business days prior to the start of class, the full amount will be refunded. You may send a substitute attendee.

# Two Day Math Reviews

<b>September 7-8, 2022</b> Kalamazoo WWTP 1415 N Harrison Kalamazoo MI 49009	<b>September 13-14, 2022</b> Brighton Fire Station 32 1580 South Old US 23 Brighton MI 48114	<b>September 20-21, 2022</b> Northern Center Houghton Lake 7784 Stone School Rd Houghton Lake MI 48629
<b>September 20-21, 2022</b> Online via zoom	<p style="color: red;">Attendee cell phone and email address are required for all attendees. Registration will not be processed without these.</p> <p>Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.</p>	

## One Day Math Review Oct 31, 2022

2123 University Park Dr Ste 150, Okemos MI 48864

*Cost for this class only: Member \$175 per person Non-Member \$225 per person*

Need last-minute help? If you attend one of the two-day math or review classes, we will automatically register you for the zoom math review on October 31. You will receive a separate email for that registration. Your choice to attend or not. If you want to come in person on Oct 31, class fee applies.



ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>REQUIRED ATTENDEE CELL Phone:</b>
<b>REQUIRED ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____
Card number:
Expiration date: _____ CSC code: _____
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.



# Wastewater Operations Review



## 1.2 CECs, Wastewater Technical

*You must attend the entire class to earn the CECs*

*Class qualifies for 1.2 SHE Engineering. Must take and pass an additional written exam administered at the end of the class to earn SHE credits.*

Instructor: John Holland, MRWA

**Course Outline:** This is a two-day, course will cover the proper operation, maintenance, and procedures for the following wastewater topics. Mathematical calculations associated with each topic will also be covered.

*Preliminary treatment:* Grit & Rag removal

*Primary treatment:* Primary clarifier operation, settling rates, sludge pumping, and detention times

*Secondary Treatment:* Activated Sludge, RBC's, Trickling Filters, Oxidation Ditches, and Secondary Clarifiers

*Solids Treatment & Disposal:* Aerobic Digesters, Anaerobic Digesters, and Land Application of Sludge

*Laboratory Operations:* Suspended Solids, BOD, Phosphorous, pH, Dissolved Oxygen, QAQC

### **Agenda: Day One**

8:30am – Noon Wastewater Math

Noon – 1pm Lunch (provided)

1pm – 4pm Wastewater Math

### **Agenda: Day Two**

8:30am – 9:15am: Preliminary Treatment

9:30am – 10:30am: Primary Treatment

10:30am – Noon: Secondary Treatment

Noon – 1:00 pm Lunch (provided)

1pm – 2:15pm: Secondary Treatment Activated Sludge, RBC's and Trickling Filters

2:30pm – 3:15pm: Solids Treatment & Disposal

3:15pm – 4pm: Laboratory Operations

**Payment/Cancellation Policy:** Payment is expected prior to class. Cancellations must be requested at least 3 business days prior to the start of the class, or your registration fee will be forfeited. If you cancel least 3 business days prior to the start of class, the full amount will be refunded. You may send a substitute attendee.

# Wastewater Operations

<b>August 31-September 1, 2022</b> 2123 University Park Dr Ste 150 Okemos MI 48864	<b>August 31-September 1, 2022</b> Online via zoom	
--	---	--

Class qualifies for 1.2 SHE Engineering. Must take and pass an additional written exam administered at the end of the class to earn SHE credits.



**Attendee cell phone and email address are required for all attendees. Registration will not be processed without these.**  
 Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____
Card number:
Expiration date: CSC code:
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.

# Advanced Wastewater Operations



## 1.2 CECs, Wastewater Technical

*You must attend the entire class to earn the CECs*

*Class qualifies for 1.2 SHE Engineering. Must take and pass an additional written exam administered at the end of the class to earn SHE credits.*

### Agenda - Day 1

- 8:00 – 8:20 Registration
- 8:20 – 8:30 Housekeeping / Introduction
- 8:30 – 10:00 General Review (*Pretreatment, Clarification, Trickling Filters, RBC's*)
- 10:00 – 10:10 Break
- 10:10 – 12:00 Activated Sludge
  - Review (*Microorganisms, F:M, MCRT, Sludge age*)
  - Wasting Rates
- 12:00 – 12:30 Lunch (provided)
- 12:30 – 1:50 Nitrogen Removal
  - Nitrogen Cycle & Microorganisms
  - Operational Controls
- 1:50 – 2:00 Break
- 2:00 – 3:30 Phosphorus Removal (*Chemicals, Math*)
- 3:30 – 4:00 Day End Review and Practice Problems

### Agenda - Day 2

- 8:00 – 8:20 Registration
- 8:20 – 10:20 Residual Solids Management
  - Thickening (*Gravity, DFAS, Belt Filter, Vacuum Filter*)
  - Lime Stabilization
  - Composting
  - Land Application
- 10:20 – 10:30 Break
- 10:30 – 12:00 Mechanical and Instrumentation
  - Review of HP and TDH
  - Pump Curves
  - 4 – 20 milliamps
- 12:00 – 12:30 Lunch (provided)
- 12:30 – 1:30 Mechanical and Instrumentation Continued
- 1:30 – 2:30 Laboratory
  - Laboratory Review (*TSS and BOD, GEO MEAN and Fecal Coliform*)
  - Basic Chemistry
  - QA/QC
  - QA/QC Math ( *Mean, STD DEV*)
- 2:30 – 3:00 Day End Review and Practice Problems
- 3:00 – 5:00 End of Class Exam for SHE's (optional)

**Payment/Cancellation Policy:** Payment is expected prior to class. Cancellations must be requested at least 3 business days prior to the start of the class, or your registration fee will be forfeited. If you cancel least 3 business days prior to the start of class, the full amount will be refunded. You may send a substitute attendee.

# Advanced Wastewater Operations

<b>September 22-23, 2022</b> 2123 University Park Dr Ste 150 Okemos MI 48864	<b>September 22-23, 2022</b> Online via zoom	
--	---	--

Class qualifies for 1.2 SHE Engineering. Must take and pass an additional written exam administered at the end of the class to earn SHE credits.



**Attendee cell phone and email address are required for all attendees. Registration will not be processed without these.**  
 Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____
Card number:
Expiration date: _____ CSC code: _____
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.

# Activated Sludge Process and Control



## 1.1 CECs, Wastewater Technical

*You must attend the entire class to earn the CECs*

Instructor: John Holland, MRWA

<b>AGENDA Day 1 – Activated Sludge Process and Control</b>	
8:30 - 8:40	Introduction
8:40 - 9:30	Introduction to the Activated Sludge Process <ul style="list-style-type: none"> <li>• The Basic Process</li> <li>• Modifications of the Activated Sludge Process</li> <li>• Keywords and Definitions</li> <li>• Process Description</li> </ul>
9:30 - 10:30	Operation <ul style="list-style-type: none"> <li>• Normal Operation Process Equipment; Operation Strategy; Microorganisms</li> <li>• Abnormal Operation Trouble shooting; Making Corrections</li> </ul>
10:30 - 10:45	Break
10:45 - 12:00	Activated Sludge Math <ul style="list-style-type: none"> <li style="width: 50%;">• Tank Volumes</li> <li style="width: 50%;">• BOD Loading</li> <li style="width: 50%;">• MLSS &amp; MLVSS</li> <li style="width: 50%;">• F/M Ratio</li> <li style="width: 50%;">• MCRT &amp; Sludge Age</li> <li style="width: 50%;">• Return Rate Estimated</li> <li style="width: 50%;">• Wasting Rates</li> </ul>
12:00 - 12:45	Lunch (provided)
12:45 - 2:00	Plant Tour and Process Familiarization
2:00 - 3:00	Math Continued
<b>AGENDA Day 2</b>	
8:30 - 10:30	Math Continued
10:30 - 10:45	Break
10:45 - 12:00	Math Continued
12:00 - 12:45	Lunch (provided)
12:45 - 2:30	Laboratory <ul style="list-style-type: none"> <li>• Microorganisms</li> <li>• SVI / SDI</li> </ul>
2:30 - 3:00	Review & Questions

**Payment/Cancellation Policy:** Payment is expected prior to class. Cancellations must be requested at least 3 business days prior to the start of the class, or your registration fee will be forfeited. If you cancel least 3 business days prior to the start of class, the full amount will be refunded. You may send a substitute attendee.

# Activated Sludge

<b>October 26-27, 2022</b> Saginaw Chippewa WWTP 7375 E. Tomah Rd. Mt. Pleasant, MI 48858	<b>October 26-27, 2022</b> Online via zoom
--	---



Attendee cell phone and email address are required for all attendees. Registration will not be processed without these. Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____
Card number:
Expiration date: CSC code:
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.

# Lagoon Operations



## 1.2 CECs, Wastewater Technical

*You must attend the entire class to earn the CECs*

*Class qualifies for 1.2 SHE Engineering. Must take and pass an additional written exam administered at the end of the class to earn SHE credits.*

<b>AGENDA Day 1</b>	
8am – 8:15am	Class Begins (Introductions / housekeeping)
8:15am – 9am	Introduction
9am – 10am	Basic Math
10am – 10:15am	Break
10:15am – Noon	Math continued
Noon - 12:45pm	Lunch (provided)
12:45pm – 1:45pm	Treatment Process
1:45pm – 2pm	Break
2pm – 3:30pm	Design Criteria
<b>AGENDA Day 2</b>	
8am – 9am	Sampling and Lab Analysis
9am – 10am	Management Practices
10am – 10:15am	Break
10:15am – 11am	Permits, Records and Reports
11am – Noon	Collection Systems
Noon – 12:45pm	Lunch (provided)
12:45pm – 1:45pm	Collection Systems Continued
1:45pm – 2pm	Break
2pm – 3:30pm	Safety

**Payment/Cancellation Policy:** Payment is expected prior to class. Cancellations must be requested at least 3 business days prior to the start of the class, or your registration fee will be forfeited. If you cancel least 3 business days prior to the start of class, the full amount will be refunded. You may send a substitute attendee.

# Lagoon Operations

**1.2 CECs, Wastewater Technical** - *You must attend the entire class to earn the CECs*

<b>September 7-8, 2022</b> Ishpeming Township Hall 1575 US Highway 41W Ishpeming MI 49849	<b>September 14-15, 2022</b> City of Quincy 47 Cole St Quincy MI 49082
<b>October 19-20, 2022</b> Comfort Inn 2980 Cooks Rd West Branch MI	<b>October 19-20, 2022</b> Online via zoom



Class qualifies for 1.2 SHE Engineering. Must take and pass an additional written exam administered at the end of the class to earn SHE credits.

**Attendee cell phone and email address are required for all attendees. Registration will not be processed without these.**

Email address does not need to be a work address. Just an email address that the attendee has access to. Attendee will be asked to set up a zoom account (these are free). Make sure you use your actual name and company so we can track your CECs for EGLE.

ATTENDEE Name:
Employer:
Address:
City/State/ZIP:
<b>ATTENDEE CELL Phone:</b>
<b>ATTENDEE Email:</b>
If attending in person, do you have any special dietary requirements?
Name & phone of person completing form:
Send and invoice: ____ Charge my credit card info below: ____
Visa ____ Mastercard ____ Discover ____
Card number:
Expiration date: CSC code:
Name on card:
Card Billing address:
Email address to send receipt to:

See previous page for Payment/Cancellation Policy.



# 2023 MRWA AWARDS PROGRAM

Every Year MRWA recognizes outstanding members at the Management & Technical conference. It is important for you to participate by submitting your nominations for the awards program. Nominations must be received in the MRWA office by February 3, 2023 to be eligible. Awards will be presented in March at the Annual Conference Banquet. Please make as many copies as you need of the nomination form. Send nominations to: MRWA 2127 University Park Drive Ste 340 Okemos MI 48864 F: 517-657-2417 E: membersvcs@mrwa.net

---

## Operations Specialist of the Year (Water & Wastewater)

- ◆ Number of years of service
- ◆ Certification status
- ◆ Outstanding achievements
- ◆ Involvement in community service
- ◆ General statement why nominee should receive award
- ◆ Demonstrated leadership in dealing with community concerns, primacy agencies, fellow workers and general public.

## Emerging Professional (Water & Wastewater)

- ◆ No more than 3 years of service
- ◆ On the job more than 12 months
- ◆ Certification status
- ◆ Nominees need not be licensed at time of nomination but must be qualified to take the exam.
- ◆ Outstanding achievements
- ◆ Involvement in community service
- ◆ General statement why nominee should receive award
- ◆ Demonstrated leadership in dealing with community concerns, primacy agencies, fellow workers.

## Utility of the Year (Water & Wastewater)

- ◆ Voting Member in good standing
- ◆ NPDES or PWSID permit number
- ◆ Outstanding achievements
- ◆ General statement why utility should receive award
- ◆ Demonstrated compliance during the last 12 months
- ◆ Water utilities whose required samples and reports have met MDNRE and US EPA standards for the past 12 months are eligible.
- ◆ Wastewater utilities whose treatment, discharges and reports have met MDNRE and US EPA standards for the past 12 months are eligible.

## Associate Community of the Year (Population over 15,000)

- ◆ Member in good standing
- ◆ NPDES or PWSID permit number
- ◆ Outstanding achievements
- ◆ General statement why utility should receive award
- ◆ Demonstrated compliance during the last 12 months
- ◆ Water and wastewater utilities whose required samples and reports have met MDNRE and US EPA standards for the past 12 months are eligible.

## MRWA Person of the Year

- ◆ Significant achievements & accomplishments
- ◆ Involvement in or with MRWA
- ◆ General Statement why nominee should receive award
- ◆ Demonstrated leadership in dealing with community concerns, primacy agencies, fellow workers and public.

## Exemplary Efforts in Environmental Protection Award

- ◆ The purposed of this award is to recognize a water or wastewater system, which has demonstrated exemplary initiatives, projects or education on the critical role of the utility in Environmental Protection to the Public.
- ◆ Eligibility: Any water or wastewater system member of Michigan Rural Water Association. Any project of any type that meets the purpose of the award is eligible for consideration.



**Please start sending in your nominations  
for co-workers or yourself now—don't wait until the deadline**

## **2023 MRWA AWARDS NOMINATIONS**

**On a separate sheet, include a description of why the following  
person/community should be considered for the award.**

**Water Utility of the Year:** \_\_\_\_\_

**Wastewater Utility of the Year:** \_\_\_\_\_

**Emerging Professional Water or Wastewater Operator of the Year  
(must have recently obtained a license)**

\_\_\_\_\_

**Water Operations Specialist of the Year:** \_\_\_\_\_

**Wastewater Operations Specialist of the Year:** \_\_\_\_\_

**Associate Community of the Year (Population over 15,000):** \_\_\_\_\_

**MRWA Person of the Year:** \_\_\_\_\_

**Exemplary Efforts In Environmental Protection Award:**

\_\_\_\_\_

REQUIRED INFORMATION - Person making the nomination

Name: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Send Nominations to:

MRWA

2127 University Park Drive Suite 340

Okemos MI 48864

F: 517-657-2417

E: [membersvcs@mrwa.net](mailto:membersvcs@mrwa.net)

**Nominations must be received by February 3, 2023, to be considered for the 2023 Awards Program.**



# MRWA SAFETY TRAINING SERIES

Michigan Rural Water Association has partnered with G & S Safety Consultants to provide you with a live (via zoom) Safety Training Series.

Future episodes via zoom include:

July 26, 2022 Work Zone Safety / Flagging  
August 23, 2022 Confined Spaces  
September 27, 2022 Chain Saws / Tree Trimming  
October 25, 2022 Aerial Bucket Truck Safety  
Nov 22, 2022 Winter Safety in Vehicles  
December 27, 2022 Cold Weather Safety  
January 24, 2023 Forklifts  
February 28, 2023 Electrical Safety  
March 28, 2023 First Aid  
April 25, 2023 Fall Prevention/Arrest Systems

All classes begin at 7:30am and end at 8:30am

## IMPORTANT INFO YOU NEED TO KNOW:

Cost is based on your community size so you will need to login to the website. If we have your community size wrong, give us a call to update it.

Most communities will only need to purchase one link/ticket.

We suggest that you watch these trainings by connecting your computer to a large screen TV so all of your staff can watch together.

If you have multiple locations that want to watch live, you will need to purchase additional links/tickets. Each zoom link is tied to an email address so be sure to register the right people to receive the links.

Participation during the live session is encouraged. You can ask questions through your camera if you have one or use the zoom chat function.

There are no CECs but you will want to track of your attendees.

Episodes will be recorded and viewable for 30 days after the live episode. (Link to recording will be emailed to those who purchased the live session.)

Please do your best to register online before contacting the office. Go to MRWA website events tab to register.



Michigan Rural Water Association  
2127 University Park Dr Ste 340  
Okemos MI 48864

NON-PROFIT  
PRSR STD  
US POSTAGE  
PAID  
CLARE, MI 48617  
PERMIT #2

**This brochure includes MRWA classes for the entire state of Michigan.**

**Attendee cell phone and attendee email address required. We will not process any registration without that information. Attendee cell and email will NOT be shared with outside parties.**

MRWA Outdoor Expo  
August 11, 2022  
Michigan International Speedway

MRWA UP Conference  
October 11-13, 2022  
Pine Mountain Resort