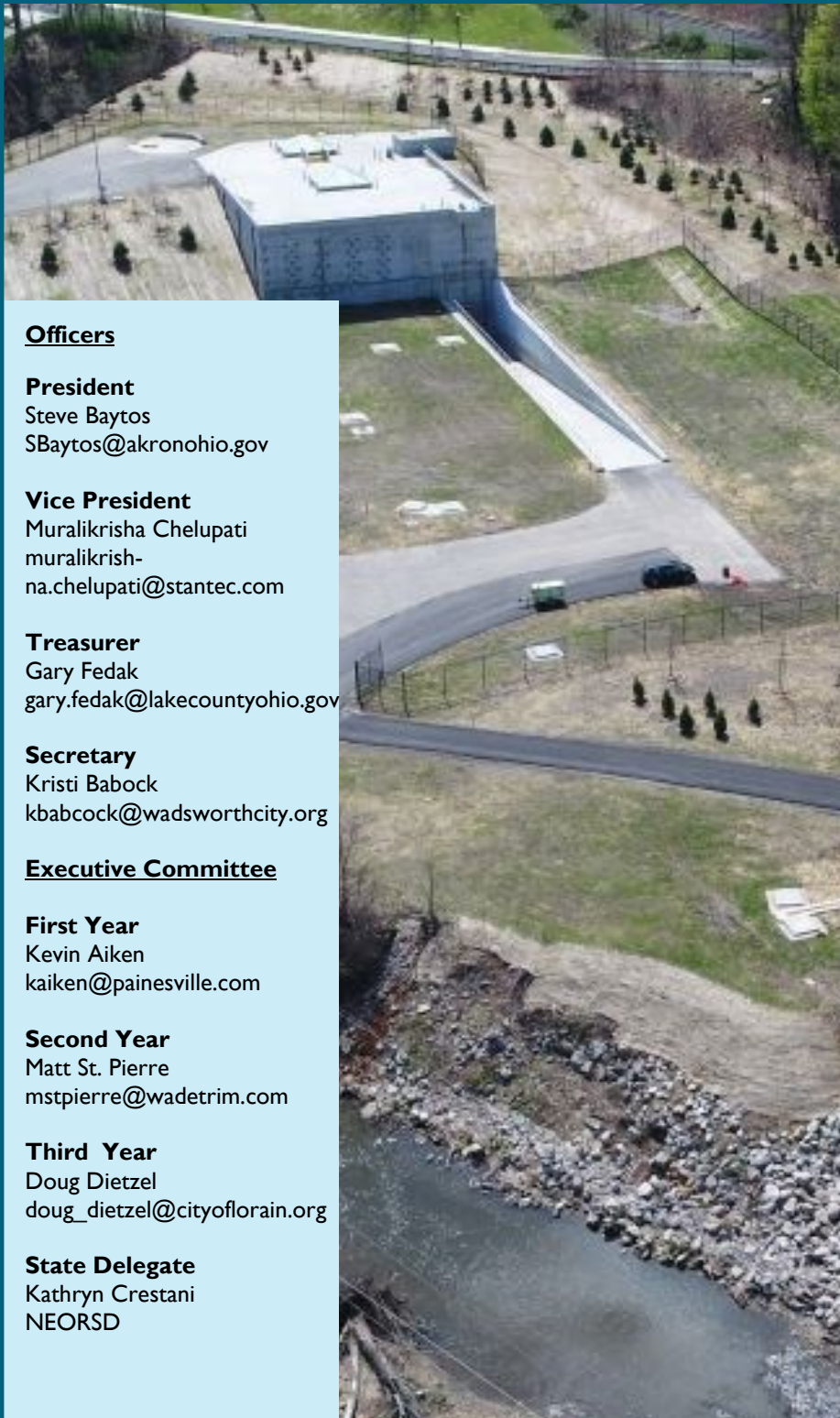


SPARKLING WATERS

Volume 23 –Issue 1

December 2023



Officers

President

Steve Baytos
SBaytos@akronohio.gov

Vice President

Muralikrishna Chelupati
muralikrishna.chelupati@stantec.com

Treasurer

Gary Fedak
gary.fedak@lakecountyohio.gov

Secretary

Kristi Babock
kbabcock@wadsworthcity.org

Executive Committee

First Year

Kevin Aiken
kaiken@painesville.com

Second Year

Matt St. Pierre
mstpierre@wadetrin.com

Third Year

Doug Dietzel
doug_dietzel@cityoflorain.org

State Delegate

Kathryn Crestani
NEORSD

In this Issue

President's Corner with Steve Baytos

What you missed at...

Young Professionals Crown Water Treatment Plant Tour

Fall Section Meeting

Collections Systems Workshop

Supervisors And Ethics Seminar

Past Presidents Luncheon

Upcoming Events.....

Operations Seminar (January 18, 2024)

Industrial Wastes Seminar (February 15, 2024)

OWEA Collections Workshop (Call of Abstracts Open Now)

Become a Member!

Scholarship Information

How to Retrieve OWEA Coursework Attendance for Continuing Education Documentation

Ohio Canal Interceptor Tunnel

President's Corner



Welcome to the New Sparkling Waters! Thanks to Joe Pavlick for putting this together.

NESOWEA has been very active in the last year. We will continue to be active and expand our educational opportunities for the Section in 2024. Adding the

Hands-on Collections was a success. Soon we will be adding other half day opportunities. The Student Design Competition is back. We are always looking to expand our ability to do more and cover topics relevant to you as Operators, Mechanics, Analysts, and Engineers.

We cannot do much without our corporate sponsors. Please recognize the companies that have helped keep these educational opportunities affordable for all, and in some cases free.

The NESOWEA Scholarship is available in the spring of 2024. This scholarship is funded by the Section through the 50/50 raffles and the great Biomasters golfing event.

The Executive Committee is excited to see contact hour scanning come back for the January and February events in Richfield.

We are always trying to make the events relevant and more convenient for the membership. Our free Innovation seminar is coming up and if you have ideas for a presentation, please feel free to contact us.

I hope that you all have a Merry Christmas and a Happy New Year. I want to shout out to all of you that will be working on the holidays and give my thanks for what all of you do this time of year.

Be Safe,

Steve Baytos

“We are always trying to make the events relevant and more convenient for the membership. Our free Innovation seminar is coming up and if you have ideas for a presentation, please feel free to contact us”

Young Professionals Crown Water Treatment Plant Tour

The NESOWEA Young Professionals (YP) group had a chance to tour the Crown Water Treatment (CWTP) Plant in Westlake, OH. The CWTP services Cleveland’s westside including western and southwestern suburbs. The operating capacity of the treatment plant is 112 million gallons per day and is the only water plant in the City with its own biosolids handling and NPDES permit. There were over 30 YP operators and engineers from across northeast Ohio

who attended the tour. A happy hour at Rocky River Brewery was sponsored by NESOWEA and Arcadis after the tour.

Moving forward the YP committee members are planning quarterly events, so look out for notices! Potential tours include Fathead Brewery, Mack Precast, Lindsey Precast, and Cargill Deicing Technology, all of which will be concluded with a happy hour.

If you would like to be added to the Young Professional email list, or have any ideas for future Young Professional opportunities or events, please reach out to committee chairs Tanner Adair

(Robert.Adair@aecom.com) and Doug Deitzel (doug_dietzel@cityoflorain.org).



May Annual Business Meeting

The NESOWEA Executive Committee hosted our Annual Business Meeting and Plant Tours on Thursday, May 18th in Akron, OH. Our members had an amazing day touring the Akron Water Reclamation Facility (WRF) and the Ohio Canal Interceptor (OCI) Tunnel.



The 27-foot diameter OCI tunnel measures 6,240 feet in length, prevents an average of 467 million gallons of combined sewer flow from local waterways in a typical year, thereby improving the water quality of our local waterways for generations to come. Special thanks to the City of Akron and R Shea Brewing for hosting and Steve Baytos for organizing an outstanding event!



Fall Section Meeting

We had a big turnout yesterday at the NESOWEA Fall Section Meeting and Plant Tours. Thanks to Michael Ritter Jr and his team at the County of Summit, Ohio Upper Tuscarawas Water Reclamation Facility Plant 36 for leading the plant tours and showcasing the recent BNR upgrades at their facility. Thank you to our speakers from ms consultants, inc., Anser Advisory and Endress+Hauser Group



Michael Ritter Jr
Summit County



Joe Leson Jake Pierko
ms consultants



Denny Murphy
Anser Advisory



Evelina Rickeviciute
Endress+Hauser USA

Past Presidents Luncheon



The NESOWEA Executive Committee Members and Committee Chairs had a great time with our Past Presidents and Past Treasurers at our Annual Meeting on Friday, December 1st. We express

our deepest gratitude to the incredible individuals who have led NESOWEA and the Ohio Water Environment Association with passion, dedication, and unwavering commitment. To our past presidents, we say THANK YOU!

Your vision, guidance, and countless hours of

service have laid the foundation upon which we stand tall today. We wouldn't be where we are, making a positive impact in our water industry, without your leadership.

#OWEA #NESOWEA
#ThankYou
#PastPresidents



Collections Systems

The NESOWEA Executive Committee hosted our Annual Collections Systems Hands-On Seminar on Thursday, October 19th at the Akron Water Reclamation Facility (WRF). We had a good turnout and our members received four (4) contact hours for this event. Thanks to Sven Wiberg, Don Galimore and Steve Baytos for organizing another outstanding event!



Andy Cirata
United Trench Shoring



Dan Hurlbert
Advanced Rehabilitation Tech-



Ed Stanish
Bergren



Mohit “Mo” Mangliani,
ABB



Ted Bennet
Jones & Henry Engineers

Thursday, October 19, 2023 – Northeast Section

Host: City of Akron Water Reclamation Facility

Registration: Akron Sewer Maintenance Facility

Presentations:

8:30 - 9:15	United Trench Shoring
9:15 - 10:00	Pump Station Design, Operations & Maintenance
10:00 - 10:15	Break (Coffee, water, juice, soda, snacks)
10:15 - 11:00	Pump Station Rehabilitation
11:00 - 11:45	Small SCADA
11:45 - 12:30	Box Lunch (Diamond Deli)
12:30 - 1:30	Inside The Pump Station - Instrumentation Best Practices



Supervisors and Ethics Seminar



The NESOWEA water professionals had an amazing time at the 2023 Supervisors and Ethics Seminar on Thursday, November 2 at Brushwood Pavilion in Furnace Run Metro Parks in Richfield, OH. The presentations on innovative topics from AI to Ethics to leadership to the importance of social media were all thought-provoking and inspiring.

We learned so much about practical applications and barriers for implementing artificial intelligence (AI) and machine learning (ML) in the water industry, ethics case studies for Ohio Professional Engineers (PEs), effective leadership during emergency when the incident gathered national attention and misinformation was spreading like a wildfire, and how to use social media to actively engage with public and bring awareness about sewers, water quality, and become the most popular sewer utility with followers from across the country.

Thank you to our speakers John Gonzalez at NE-ORSD, Jim Cooper at Arcadis, Bill Zawiski at Ohio EPA and Desmond Cullimore at The Cullimore Law Firm and our members for making this seminar such a success.



James Cooper
Arcadis



John Gonzalez
Northeast Ohio Regional Sewer District



Bill Zawiski
Ohio EPA



Desmond Cullimore
Cullimore Law Firm

Upcoming Events

The Northeast Section of the Ohio Water Environment Association
invites you to attend our Annual

Operations Seminar



Thursday, January 18, 2024

Quality Inn Richfield Banquet & Conference Center ♦ Richfield, Ohio

Registration: Quality Inn Banquet & Conference Center
7:00 - 8:00a 4742 Brecksville Rd., Richfield, OH

8:00 - 8:15a Introduction, Announcements and Refreshments

Tech. Sessions:

8:15 - 9:00a *Ensuring Uninterrupted Water Quality in the Face of Major Plant Construction*
Mitchell Miller & Mitchell Falatach, NEORS

9:00—9:45a *Operations Trends Across America (And Beyond)*
Christen Wood, Jacobs

9:45 - 10:00a **Break & Refreshments**

10:00 - 11:00a *Lorain's Cityworks Asset Management Journey*
Laith Alfaqih & James Hale, Stantec & Doug Dietzel, City of Lorain

11:00 - 11:45a *Calcium Carbonate vs Traditional Products for Alkalinity Addition in WWT Processes*
Joe McDaniel, OMYA

11:45a - 12:45p **Lunch**

Tech. Sessions:

12:45 - 1:30p *Sticking the Landing: Planning for Successful Commissioning and Start-up*
Adam Dellinger & Stuart Hicks, HDR

1:30—2:15p *Operations and Maintenance for Wastewater Plants*
Joe Schulman, Precision Odor Control

2:15 - 2:30p **Break & Refreshments**

2:30 - 3:30p *No Feasible Alternative Study, Rocky River WWTP*
Nick Barille, City of Rocky River

3:30 - 3:45p Closing Announcements

PLATINUM SPONSOR



Register by Wednesday Jan. 10, 2024 at www.ohiowea.org for this seminar. Registration is limited to the **first 225 attendees** and will close once the capacity is reached. On-line registration is recommended as walk-ins will not be accepted if/when capacity is reached.

Training Fee is \$65 for WEF/OWEA/NESOWEA members or \$80 for non-members (includes a Section Only Membership for the Calendar Year). Credit Cards accepted online. Payable on the day of event by cash or by check payable to NESOWEA. No purchase orders will be accepted. **Cancellations must be received 3 days prior to event to avoid being charged. If attendee registers with a credit card and cancels at any time, a small administration fee will be applied.**

This program has been submitted for **5.75 hours of continuing education credit** for certified operators in Ohio. To receive credit, attendees must be present during the entire session and complete a contact hour form with Ohio EPA Core ID Number.

Questions regarding this event can be directed to:

Matt St. Pierre
mstpierre@wadetrim.com
216-306-2563

Today's event is made possible by the Northeast Ohio Section volunteers of the Ohio Water Environment Association. OWEA is a member association of the Water Environment Federation. If you are not a member, we welcome you to join us!

Industrial Wastes Seminar

The Northeast Section of the Ohio Water Environment Association
invites you to attend our 25th Annual

Industrial Wastes Seminar



Thursday, February 15, 2024 ♦ **Quality Inn & Suites** ♦ **4742 Brecksville Road, Richfield**

The Pretreatment/Industrial Waste Subcommittee has been hard at work planning the 2024 Industrial Wastes Seminar that will be held on February 15th at the Quality Inn & Suites in Richfield. We are working on the final agenda, but preliminarily presentation topics will include an Ohio EPA Update, What POTWs Need to Know About PFAS, Cybersecurity, Alternative Energy Options, Fats, Oils and Grease, Industrial Water Reuse, and Stormwater Permitting and Pollution Prevention. The seminar will be submitted for 6.25 contact hours and will have various exhibitors available to discuss their product offerings. Historically, this event has sold out quickly, so be sure to register early. The subcommittee is always looking for anyone interested in joining our group, so if interested please reach out to me or anyone on the executive committee. Happy holidays to everyone and we will see you in 2024!

Scott Broski
Chair, Pretreatment/Industrial Wastes Subcommittee
Superintendent of Environmental Services, NEORS
broskis@neorsd.org

2024 Collection Systems Workshop - Call for Abstracts Now Open

[Call for Abstracts - Ohio Water Environment Association \(ohiowea.org\)](https://ohiowea.org)

Plan Now to be a Part of the 2024 Collections Workshop

May 21, 2024
Dublin, OH

The OWEA Collections Committee is soliciting presentations for the 2024 Workshop being held May 21, 2024 at the Embassy Suites in Dublin, Ohio.

The workshop is anticipated to cover a wide variety of topics in Collections Systems.

We are seeking any collection-systems-related topics, such as:

- Alternative Collection System Projects and Operational Experiences
- Green Infrastructure Projects and Maintenance
- CSO and SSO Long Term Control Plans
- Pipe/Manhole Rehabilitation
- Collection System Data Management
- Asset Management of Collection Systems
- Pump Station Rehabilitation
- Collection System Maintenance
- Pump Station & Force Main Flow Analysis
- High Efficiency Pumps
- Odor Control at Pump Stations and in Collection Systems
- Fats, Oils, and Grease Handling in Pump Stations and Collection Systems
- Pump Station Maintenance
- Force Main Air & Vacuum Release Maintenance and Design
- Workforce & Safety Innovations and Management

This is a great opportunity to highlight an innovative or new project or product, or share a team and community success.

The deadline to submit your abstract is February 2.



BECOME A MEMBER!

Did you know there are many ways to become a member and get involved? Below is a list of ways that you can become a part of great organizations!



The Northeast Section of OWEA has a Section only membership for \$15.00 per year.

This gets you member pricing for all of the section events!

Contact an EC member if interested



OWEA has a State Only membership for \$50 or \$90 per year. This gets you member pricing for all state events including our section events, One Water events, complimentary job postings, subscription to the Buckeye Bulletin, and so much more!

Visit: www.ohiowea.org

WEF MEMBERSHIP

WEF membership ranges from \$20 to \$310 per year. This gets you member pricing for all WEF, OWEA and section events. It includes everything on the State Only membership but also includes WEF publications, the ability to serve as a WEF delegate, discounts on technical publications, products and services, and so much more!

Visit: www.wef.org

Scholarship Research Paper

Submit a research paper with a minimum of 700 words describing **Innovative Technologies in Wastewater Treatment**.

The goal of this requirement is for applicants to learn more about how they can protect our environment through research and then demonstrate what they learned through the paper they write. Applicants should strive to select one or two related topics and present their information to a reasonable depth of understanding rather than referencing many different topics with little depth.

Applicants are expected to do research on their topic and present their information in an organized format including an introduction, section titles and a conclusion. All information that is learned or used from a source must have that source cited in the very paragraph it is included. All references should also be listed on a separate page at the end of the paper, including the page number from which the information was obtained. All internet sources must include the complete, exact website address and the date retrieved.

Completed essays are to be submitted electronically by April 5, 2024, to [Stephen Baytos at sbaytos@akronohio.gov](mailto:sbaytos@akronohio.gov). Essays are to be submitted in a Microsoft Word compatible format, Times New Roman, 12-point font, and double spaced. In the review process, all essays will be electronically submitted to a plagiarism checking software to verify content integrity.

Complete Scholarship Applications found on the NESOWEA.org website are to be submitted at the same time as the Research Paper in a separate Email attachment.

<https://www.viethconsulting.com/members/form.php?orgcode=OWEA&fid=4648167>

An unrelated example paper is provided for clarification and suggested organization, citation and referencing.

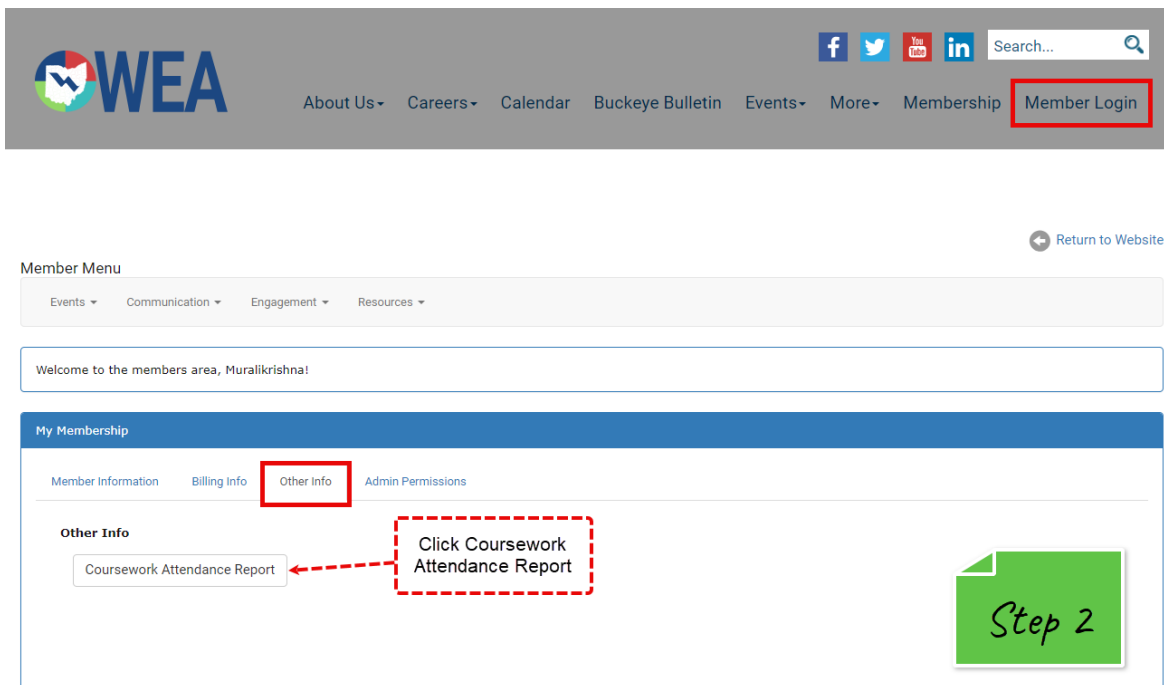
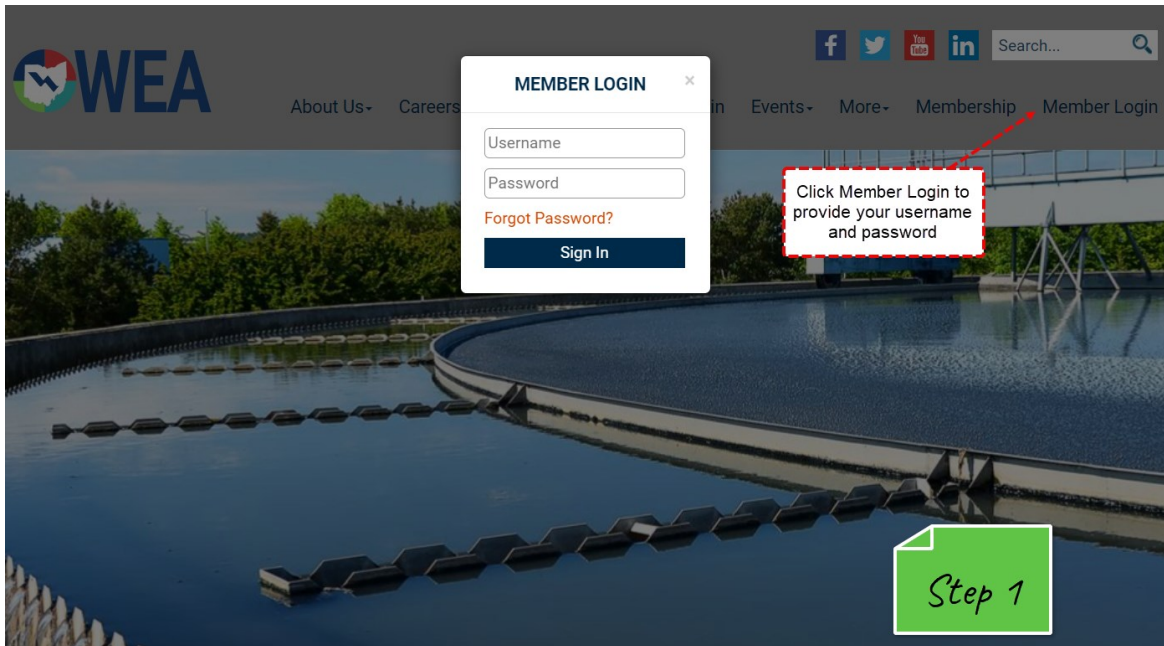
https://www.ohiowea.org/docs/2021_Scholarship_Sample_Research_Paper.pdf


Scholarship awardees and those receiving Honorable Mentions will be recognized at the NESOWEA Annual Business Meeting Lunch in May. Any questions can be directed to Stephen Baytos at sbaytos@akronohio.gov.




OWEA Coursework Attendance Report

If you lost or misplaced the OWEA training receipt (yellow sheet) for attending the NESOWEA and OWEA section meetings and/or workshops, following are step-by-step instructions for generating a coursework attendance report consisting of continuing education credits or professional development hours (PDHs) you accrued for documentation.







[About Us](#) - [Careers](#) - [Calendar](#) - [Buckeye Bulletin](#) - [Events](#) - [More](#) - [Membership](#) - [Member Login](#)

Attendee Coursework Search

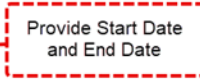

[Main Menu](#)


[Help](#)



Enter a beginning and ending date to display course work for (mm/dd/yyyy)

Begin Date:
End Date:



[About Us](#) - [Careers](#) - [Calendar](#) - [Buckeye Bulletin](#) - [Events](#) - [More](#) - [Membership](#) - [Member Login](#)

Ohio Water Environment Association - Attendee Coursework Report

[Main Menu](#) | [Coursework Date Search](#)



[Help](#)

Select the courses that you would like to appear in your report, or to have all courses appear in your report, leave all check boxes unchecked.

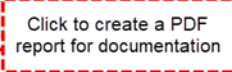
Name: <input style="width: 100%;" type="text"/>	Home Phone: <input style="width: 100%;" type="text"/>
Certificate: <input style="width: 100%;" type="text"/>	Work Phone: <input style="width: 100%;" type="text"/>
Contact Hours Required: <input style="width: 100%;" type="text"/>	Check box if you hold more than 1 certificate: <input type="checkbox"/>

For course work completed 01/01/2022 through 11/27/2023

Select All/None

Select:	Course Approval Number	Course Name	Training Provider	Date Completed	Contact Hours Applied
<input type="checkbox"/>	OWEA-S10194-OM	BioWin Modeling	OWEA	01/20/2022	0.75
<input type="checkbox"/>	OWEA-S10195-OM	Defiance WPC First Year UV Operations	OWEA	01/20/2022	0.75
<input type="checkbox"/>	OWEA-S10199-OM	Dewatering Optimization to combat Sludge Tipping Fees	OWEA	01/20/2022	0.75
<input type="checkbox"/>	OWEA-B10200-OM	Membranes-An Update	OWEA	01/20/2022	0.75
<input type="checkbox"/>	OWEA-S10193-OM	Meeting Schedule Requirements for Cleaning & Inspecting	OWEA	01/20/2022	0.75
<input type="checkbox"/>	OWEA-S10193-OM	Meeting Schedule Requirements for Cleaning & Inspecting	OWEA	01/20/2022	0.75
<input type="checkbox"/>	OWEA-S10210-OM	Ohio EPA Division of Surface Water Program Updates	OWEA	02/17/2022	0.75
<input type="checkbox"/>	OWEA-S10211-OM	Exhibitor Presentations	OWEA	02/17/2022	1
<input type="checkbox"/>	OWEA-S10212-OM	EPA's PFAS Strategic Roadmap and the Wastewater Sector	OWEA	02/17/2022	0.75

<input type="checkbox"/>	OWEA-S10465-OM	Upper Tuscarawas Water Reclamation Facility	OWEA	09/21/2023	1.00
<input type="checkbox"/>	OWEA-S10466-OM	Upper Tuscarawas WRF Plant #36: History & Present Upgrades	OWEA	09/21/2023	0.75
<input type="checkbox"/>	OWEA-S10467-OM	Upper Tuscarawas WRF Plant #36: RBC Replacement Project	OWEA	09/21/2023	0.75
<input type="checkbox"/>	0468-	Upper Tuscarawas WRF Plant #36: RBC Replacement Project - Co	OWEA	09/21/2023	0.75
<input type="checkbox"/>	0469-	Wastewater Nutrient Removal and Control.75		09/21/2023	0.75



Publications Committee

Do you have an interesting topic or project to share?

Tell us about it and possibly have your story featured in a future edition of **Sparkling Waters!**

Email Joe Pavlick (jpavlick@ctconsultants.com) for more details

Outreach Committee

Hello, **NESOWEA Outreach Committee** is always looking to go to events where we educate people about our industry or recruit others. We have a water and wastewater model that shows the entire cycle. Career fairs, STEM days, environmental events, or any others. Please contact Steve Baytos to get it on the schedule.

The Next Edition of Sparkling Waters is expected Spring 2024



SPARKLING
WATERS