In This Catalog

This catalog contains registration materials for current schools, institutes, seminars, and the Academy for Water Professional Development. Please read the information related to each event carefully to make sure that you are signing up for the correct classes and are submitting paperwork by the appropriate deadlines. Class space is limited. Registrations are accepted on a first come, first served basis according to receipt of completed registration (i.e., completed form and full payment). Incomplete forms will delay the processing of your registration. Online registration is available for most events.

CEU/PDH Credits

In an effort to make it easier to know which events are approved for which type of credit, we are now including icons next to each event. If an event is approved for credit, the icon corresponding to the approved credit will appear next to the event title. If an event is approved for multiple credits you will see multiple icons. See the key below

- **WASTEWATER** - All Wastewater Technical Sessions are approved for contact hours for Wastewater Operators. For all sessions, if a topic is approved for wastewater operators a recycle symbol (pictured on the left) will appear next to the session title. Wastewater contact hours will only be given for attendance at sessions marked with the wastewater symbol.

- **WATER** - All Water Technical Sessions are approved for contact hours for Water Treatment Facility Operators/Distribution Operators/Cross Connection Backflow Operators. For all sessions, if a topic is approved for Drinking Water contact hours a faucet symbol (pictured on the left) will appear next to the session title. Drinking Water contact hours will only be given for attendance at sessions marked with the water symbol.

- **PROFESSIONAL ENGINEERS** - All Technical Sessions are approved for Professional Development Hours for registered Professional Engineers. For all sessions, if a topic is approved for PDHs a hard hat symbol (pictured on the left) will appear next to the session title. PDHs for Professional Engineers will only be given for attendance at sessions marked with the Professional Engineers symbol.

- **MAINTENANCE TECHNOLOGIST** - All Technical Sessions that are approved for Water or Wastewater are approved for Maintenance Technologist. For all sessions, if a topic is approved for certified Maintenance Technologist, a wrench symbol will appear (pictured on the left) next to the sessions title. Maintenance Technologist contact hours will only be given for attendance at sessions marked with the maintenance technologist symbol.
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What is **NC AWWA-WEA**?

Formed in 1928, NC AWWA-WEA is a volunteer association operating jointly under one board of trustees as the North Carolina Section of the American Water Works Association (NC AWWA) and the North Carolina Member Association (MA) of the Water Environment Federation (NC WEA). We are dedicated to providing water and wastewater education, training, and leadership in an effort to protect public health and the environment. In striving to be the leading educational resource for water-related issues in North Carolina, we recognize the broad scope of the industry and its reach beyond water sources, treatment plants, and pipe systems and its importance in homes, businesses, and the community.

We have over 2,500 members in North Carolina representing municipal and private utilities, consulting engineering firms, government agencies, equipment suppliers, service providers, and representatives from academia. Working through a network of committees, our volunteers provide the foundation for all NC AWWA-WEA activities.

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**OUR VISION**

*(What we strive to achieve)*

NC AWWA-WEA: THE leading educational resource for safe water in NC

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**OUR MISSION**

*(The purpose of what we do)*

NC AWWA-WEA is dedicated to providing water education, training, and leadership to protect public health and the environment.

Thank you, volunteers!
**Registration FAQs**

**EARLY & ON-SITE REGISTRATION RATES**

**Institutes & Seminars:** The early registration deadline is listed with each event, but registrations are accepted on a first-come, first-served basis, therefore submitting your registration and payment before the early registration deadline does not guarantee you a space. If you want to register for a seminar on the business day before the event, please contact the NC AWWA-WEA office.

**Webinars:** The registration deadline is listed with each event, but registrations are accepted on a first-come, first-served basis, therefore submitting your registration and payment before the registration deadline does not guarantee you a space. Registration is not available after the deadline.

**Online Courses:** There is no registration deadline.

**Schools & Conferences:** Deadlines vary for each event.

**SPECIAL REGISTRATION TYPES**

**Student Registration:** The student registration type is intended for high school students and individuals enrolled full-time at a community college or university. A student registration rate is not available for all events. If a student rate is available, it will be included in the price list or on the registration form. Proof of full-time student status is required when registration form is submitted. A student ID is an acceptable form of proof.

**Retired Member Registration:** The retired member registration type is intended for members of AWWA, WEF, or NC SLAM who are retired and no longer employed in the water/wastewater industry. If a retired member rate is available, it will be included in the price list or on the registration form.

**REFUNDS & SWITCHES**

**Seminars and Institutes:** Requests for refunds or switches must be received in writing by the deadline listed for the event.

**Webinars:** Requests for refunds or switches must be received in writing by the deadline listed for the event. Refunds will not be issued for attendees that experience technical or equipment failures during the webinar.

**Online Courses:** Requests for refunds or switches must be submitted within 5 business days of registering for a course, provided that the actual course has not started. Refunds cannot be issued once a course has been started. Refunds will not be issued for learners discovering more than five business days after registering that they do not have the necessary or compatible equipment to participate. Refunds will not be issued for learners that experience technical or equipment failures while taking the course.

**Schools & Conferences:** Deadlines vary for each school.

**All Events:** Refund request forms may be obtained by calling the NC AWWA-WEA office at 919-784-9030 or downloaded from our website (www.ncsafewater.org). A $30 administrative fee will be charged for all refunds due to attendee cancellation. All refunds will be made according to the original payment method. Refunds will not be processed until the conclusion of an event. Please allow 2-3 weeks after the event to receive your refund.

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**Important Dates**

**LABOR DAY**
(NC AWWA-WEA Office Closed)
September 2, 2019

**Charlotte Institute**
September 10, 2019 in Charlotte, NC

**Coastal Collection & Distribution School**
September 30 - October 4, 2019 in Morehead City, NC

**G.R.O.W. Event**
October 10, 2019 in Charlotte, NC

**Wastewater Laboratory Analyst Certification Exams**
October 15, 2019 in Wilson, NC and Charlotte, NC

**99th Annual Conference**
November 3 - 6, 2019 in Raleigh, NC

**Charlotte Institute**
November 20, 2019 in Charlotte, NC

**THANKSGIVING DAY**
(NC AWWA-WEA Office Closed)
November 28, 2019

**CHRISTMAS HOLIDAY**
(NC AWWA-WEA Office Closed)
December 24-25, 2019

**NEW YEAR’S DAY**
(NC AWWA-WEA Office Closed)
January 1, 2020

**Central Collection & Distribution School**
March 2 - 6, 2020 in Raleigh, NC

**Spring Symposium**
April 5-7, 2020 in Asheville, NC

ncsafewater.org
SUBSTITUTIONS

Seminars, Institutes, Most Schools, and Conferences:
Substitutions may be made at any point, including during registration at the event. Please inform us as soon as possible so that we may have you complete the correct paperwork and handle any cost differences between members and non-members. Please be aware that if you choose to make substitutions during registration at the event, you will need to arrive early so that you have enough time to complete the process before the program begins.

Webinars: Substitutions must be processed two business days before the webinar.

Online Courses: Substitutions may be requested at any point during the 30 days after registration that the course is available, provided that the actual course has not started. Substitutions cannot be issued once a course has started.

SOCIAL SECURITY NUMBER

NC AWWA-WEA’s event attendance/contact hour tracking program uses the last four digits of your social security number in conjunction with your professional license number(s) as a unique identifier to verify who you are and to communicate to the appropriate agency when reporting your event attendance/contact hour record. We do NOT use your partial social security number for any other purpose. Your partial social security number will NOT be given out to anyone other than the appropriate reporting agency for your license. If you will not allow us to use the last four digits of your social security number, please indicate “refused” in the social security number blank. While we will still be happy to register you, we cannot guarantee accurate tracking of your attendance at these events.

CERTIFICATES OF ATTENDANCE

Institutes & Seminars: Certificates of attendance will be given to attendees who arrive on time and stay until the conclusion of the event. Each participant must pick up their own certificate at the conclusion of the event. NO certificates will be given out early, mailed, or given to another individual.

Webinars: After the webinar, staff will verify attendance records and produce a contact hour record for attendees. These records will be emailed to each attendee who has received contact hours approximately two weeks after the webinar.

Schools: Participants who successfully complete a school will receive a certificate of attendance at the end of the school. This certificate will document attendance for use in demonstrating contact hours for professional growth requirements for certified wastewater operators & drinking water operators and PDHs for professional engineers. Refer each school description for a definition of “successful completion”. Each participant must pick up their own certificate at the conclusion of the event. NO certificates will be given out early or given to another individual. Certificates will be mailed to persons who successfully complete the school, but are not present at the end to pick up their certificates.

Conferences: After the conference, staff will verify all scanned information and produce a contact hour record for attendees. These records will be sent to each attendee who has received contact hours approximately four weeks after the conference. Records will be emailed for attendees who provide an email address.

PROHIBITION OF RECORDING

Recording of any sounds or visual images and use of any recording device or medium now known, or later developed, is prohibited at all NC AWWA-WEA seminars, schools, conferences, or other training events unless prior written permission has been expressly granted by NC AWWA-WEA.

3-Tiered Pricing Structure

In 2016 NC AWWA-WEA implemented a 3-tiered pricing structure for most of our events. The pricing for both the Spring and Annual Conferences will remain at the standard 2-tiered rate with one price for members and another for non-members.

The 3-tiered pricing structure provides an intermediate rate for employees of AWWA and WEF organization members that are utilizing their employer’s organization membership number to register at a discounted rate. The shift in pricing more equally distributes the amount that individual members, employees of organization members, and non-members pay to receive services from NC AWWA-WEA.

Determining Where You Fit in the Pricing Structure

To help you budget your training dollars, individuals with an existing profile within our system can log in at any time to determine their pricing category. Once you are logged in, go to “Profile Home” and look at the description directly under your name.

- Individuals listed as “NC State Level Association Members (SLAM)” or “NC AWWA or NC WEA Individual Member” will continue to receive the member rate.
- Individuals listed as “Employee of NC AWWA or NC WEA Organization Member” will receive the employee of a utility member rate.
- Individuals listed as “Non-Member” will not receive a discount.

As you register for events, please pay careful attention to how your profile is labeled and the rate you are paying. If you have any questions or feel that your profile is labeled incorrectly, contact NC AWWA-WEA staff at 919-784-9030.

3-Tiered Pricing Structure

MEMBER RATE
- Eligible groups: individual AWWA members, individual WEF members, NC SLAM members

EMPLOYEE OF A UTILITY MEMBER RATE
- Eligible groups: employees of AWWA utility members or service provider members, employees of WEF corporate members. Rate will be $35 higher than the member rate

NON-MEMBER RATE
- Applies to all individuals that do not have any type of membership with AWWA, WEF, or NC SLAM. Rate will be $75 higher than the member rate
Seminars and Institutes

What Are Seminars and Institutes?

Seminars are topics chosen by our local committees and are open to anyone wishing to attend. Institutes include topics chosen by the utility hosting the event. While the majority of attendees at an institute will be employees of the host utility, there will always be seats reserved for non-host utility employees. The registration and attendance process for non-host employees is the same as our traditional seminar registration and attendance process.

What’s the Difference?

Institutes are hosted by utility companies, and seminars are sponsored by NC AWWA-WEA committees. BOTH are open to anyone wishing to attend!

How Do Institutes Work?

1. A utility contacts NC AWWA-WEA with potential dates, a location, and a list of preferred training topics.
2. NC AWWA-WEA works with the utility to negotiate a mutually beneficial date, location, agenda, and price.
3. NC AWWA-WEA committees prepare presentations on the agreed upon agenda topics and gain the appropriate CEU continuing education approvals.
4. The utility registers their employees to attend the Institute session.
5. After the event, all attendees who meet the requirements will receive a certificate of attendance and, when applicable, continuing education credit.

Past Institute Topics

These topics represent a partial list of past Institute topics. Institutes topics are not restricted to this list. NC AWWA-WEA is happy to create presentations on topics to meet your specific needs.

- Best Practices for Running a Successful Construction Project
- Blueprint Reading
- Construction Risk
- Trends in Water/Wastewater Emergency Preparedness
- Effective Utility Management
- Electrical Safety
- Environmental Management System Overview
- Generators and Switch Gear
- Going Green
- High Performance Coatings for Water/Wastewater Applications
- Internal/External Customer Service

Host an Institute

If you are interested in hosting an institute training in 2020 please contact Derek Dussek at 919-463-3026 or dussekd@bv.com.

Schedule a Seminar

If you are interested scheduling a seminar through an NC AWWA-WEA Committee please contact Derek Dussek at 919-463-3026 or dussekd@bv.com.
Emerging Technologies in Wastewater- Building a Circular Economy Seminar

Wednesday, August 21, 2019
McKimmon Center
1101 Gorman Street
Raleigh, NC 27606

Registration

Deadlines: Final deadline to register is 8/9/2019. If you plan to register on-site, call the day before the seminar to determine availability.
Price: $150 (member), $185 (employee of utility member), $225 (non-member)

Tentative Agenda (6 Credit Hours)

8:30-9:00 Regulatory Trends Update
9:00-9:30 Infrastructure Funding Update
9:30-10:00 How the City of Raleigh Is Meeting Its Sustainability Goals
10:00-10:30 Neuse River WWTP THP Process
10:45-11:15 National Trends In Potable Reuse Applications
11:15-11:45 Fuel Produced from Waste: Coors Brewery
11:45–12:45 Lunch
12:45-1:15 Ammonia-Based Nutrient Control and Other “Smart” Controls at Neuse River WWTP
1:15-1:45 Intelligent Platforms and Machine Learning Applications in Wastewater
1:45-2:15 Smart Water Digital Services Integration with Core Processes
2:15 – 2:45 Smart Water Digital Services Integration with Core Processes
3:00-4:00 Panel Discussion: Weather Impacts to Wastewater Treatment Plants

Continuing Education

• Wastewater Operators: This seminar is approved by the WPCSOCC for 6.0 contact hours for continuing education. Course ID: CE01041701
• Professional Engineers: This seminar is approved for 6.0 PDHs.
• Maintenance Technologist: This seminar is approved for 6.0 contact hours for continuing education.

Direct Content Questions to
Tony Martin, anthony.martin@ci.charlotte.nc.us, 704-336-1053

Direct Registration Questions to
NC AWWA-WEA staff, 919-784-9030

Charlotte Institute (Option 1)

Tuesday, September 10, 2019
Charlotte Water Zone 2
5730 General Commerce Drive
Charlotte, NC 28213

Registration

Deadlines: Final deadline to register is 8/23/2019. If you plan to register on-site, call the day before the seminar to determine availability.
Price: $150 (member), $185 (employee of utility member), $225 (non-member)

Charlotte Water Employees: Contact Meredith Ward at mward@ci.charlotte.nc.us to register.

Tentative Agenda (6 Credit Hours - Same content offered on both days)

7:30-8:15 Registration
8:15-8:30 Introduction
8:30-9:15 Workforce of the Future
9:15-10:00 OneWater/Circular Economy
10:00-10:15 Break and Networking
10:15-11:00 Communicating Emerging Contaminants
11:00-11:45 How to Solve Challenges Associated with Growth Oriented Economies
11:45–12:45 Lunch
12:45-1:30 Aging Infrastructure
1:30-2:15 Sustainable Water Initiative for Tomorrow (SWIFT)
2:15-2:30 Break and Networking
2:30-3:15 Union County’s Plan to Meet Water Supply Needs
3:15-4:00 Wet Weather Impacts on Treatment Plants

Continuing Education

• Water Treatment Facility Operators, Distribution Operators, Cross Connection/Back Flow Operators: This seminar is approved for 6.0 contact hours for continuing education by the NCWTFOCB. Course ID:165052
• Wastewater Operators: This seminar is approved by the WPCSOCC for 6.0 contact hours for continuing education. Course ID: CE01131501
• Professional Engineers: This seminar is approved for 6.0 PDHs.
• Maintenance Technologist: This seminar is approved for 6.0 contact hours for continuing education.

Direct Content Questions to
Tony Martin, anthony.martin@ci.charlotte.nc.us, 704-336-1053

Direct Registration Questions to
NC AWWA-WEA staff, 919-784-9030
Charlotte Institute (Option 2)
Wednesday, November 20, 2019
Charlotte Water Lee Duke
7980 Babe Stillwell Road
Huntersville, NC 28078

Registration

Deadlines: Final deadline to register is 11/1/2019. If you plan to register on-site, call the day before the seminar to determine availability.
Price: $150 (member), $185 (employee of utility member), $225 (non-member)
Charlotte Water Employees: Contact Meredith Ward at mward@ci.charlotte.nc.us to register.

Tentative Agenda (6 Credit Hours - Same content offered on both days)

7:30-8:15  Registration
8:15-8:30  Introduction
8:30-9:15  Workforce of the Future
9:15-10:00 OneWater/Circular Economy
10:00-10:15 Break and Networking
10:15-11:00 Communicating Emerging Contaminants
11:00-11:45 How to Solve Challenges Associated with Growth Oriented Economies
11:45-12:45 Lunch
12:45-1:30 Aging Infrastructure
1:30-2:15 Sustainable Water Initiative for Tomorrow (SWIFT)
2:15-2:30 Break and Networking
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3:15-4:00 Wet Weather Impacts on Treatment Plants

Continuing Education

• Water Treatment Facility Operators, Distribution Operators, Cross Connection/Back Flow Operators: This seminar is approved for 6.0 contact hours for continuing education by the NCWTFOCB. Course ID: 165052
• Wastewater Operators: This seminar is approved by the WPCSOCC for 6.0 contact hours for continuing education. Course ID: CE01131501
• Professional Engineers: This seminar is approved for 6.0 PDH’s.
• Maintenance Technologist: This seminar is approved for 6.0 contact hours for continuing education.

Direct Content Questions to
Tony Martin, Anthony.Martin@ci.charlotte.nc.us, 704-336-1053

Direct Registration Questions to
NC AWWA-WEA staff, 919-784-9030

11th Annual Photo Contest
WINNERS!

Critters Around Us Winner
Sunbathing
by Michael Lamping, City of Sanford

Environment Winner
Reflection
by Jonathan Williams, HDR, Inc.

Our Members at Work Winner
Devoted
by Jim Dotson, Southern Corrosion, Inc.

Structures Winner
Doorway to Water
by Tonia Barton, Carolina Management Team
A Special thank you to our

Wavemaker
Presidential Sponsorship

Platinum Sponsor

Huber Technology
Waste Water Solutions
The Academy for Water Professional Development

Basic Utility Safety and Field Operations Safety Awareness
(3.0 hours)
Monday, September 30, 2019
(During the CD School)
Carteret Community College
3505 Arendell Street
Morehead City, NC 28557

Registration
Final deadline to register is 9/20/2019.
See registration form on page 27 for pricing details.

Content Overview
This is designed to introduce water and wastewater utility operators to industry specific safety standards and trends. The intent of this course is to assist in prevention or elimination of hazards in the workplace. Lesson topics include but are not limited to:

- General safety concepts
- National Incident Management System (NIMS)
- Federal & State occupational safety & health regulation and their effects on regulatory safety practices

Continuing Education
- Water Treatment Facility Operators, Distribution Operators, Cross Connection/Backflow Operators: This course is approved for 3.0 contact hours by the NCWTFOCB. Course ID: 154042
- Wastewater Operators: This course is approved by the WPCSOCC for 3.0 contact hours. WPCSOCC Course ID: CE04101501
- Professional Engineers: This course is approved for 3.0 PDHs.
- Maintenance Technologist: This course is approved for 3.0 contact hours.

Foundations of Leadership: Customer Service
(3.0 hours)
Monday, September 30, 2019
(During the CD School)
Carteret Community College
3505 Arendell Street
Morehead City, NC 28557

Registration
Final deadline to register is 9/20/2019.
See registration form on page 27 for pricing details.

Content Overview
Customer service skills are an essential element to employee growth and development. No matter what your role in an organization, having a customer focus reduces workplace stress and adds value. Think about how you feel when you are part of a positive experience of any type.

In this course, you will evaluate the internal and external service relationships relative to your position. Basic elements of customer service will be explored including responsiveness, empathy, reliability, and accountability. At the completion of this course, participants will understand customer service fundamentals and the application to their position. The course allows utility personnel to learn and apply methods of effective communication, attitude, managing expectations, and creating a positive customer experience.

Continuing Education
- Water Treatment Facility Operators, Distribution Operators, Cross Connection/Backflow Operators: This course is approved for 3.0 contact hours by the NCWTFOCB. Course ID: 142976
- Wastewater Operators: This course is approved by the WPCSOCC for 3.0 contact hours. WPCSOCC Course ID: CE04101502
- Professional Engineers: This course is approved for 3.0 PDHs.
- Maintenance Technologist: This course is approved for 3.0 contact hours.
Hydrant Hysteria! We are excited to host our inaugural Hydrant Hysteria Competition!

Hydrant Hysteria is a fast-paced competition that measures a team’s ability to completely assemble a commonly utilized utility hydrant as quickly and accurately as possible. Teams, comprised of no more than two competitors and one coach, compete head to head in a race against the clock for the lowest assembly time. Teams can be coed. The winning team(s) will receive a trophy and proclaim their victory as NC AWWA-WEA’s first ever Hydrant Hysteria champions!

Does your team have what it takes to be the best? Do you have extensive experience in hydrant maintenance? Are you considered a “jack of all hydrants”? Put your skills to the test! Register to be a part of this fierce and exciting competition!

The first twelve teams to register will compete at the NC AWWA-WEA 99th Annual Conference on Monday, November 4th 2019.

To register your team or to volunteer as a competition official, submit a completed registration form (found at ncawwater.org or the 99th Annual Conference brochure) via email to jonathan.smith@unioncountync.gov.

Registration forms must be received no later than Friday, September 20th 2019.

Full competition rules will be provided to each team and volunteer.

For more information, contact the competition coordinator, jonathan.smith@unioncountync.gov or 704-0320-6758.

Let’s make HYSTERY!
Collection and Distribution Schools

Coastal Collection and Distribution School
September 30 - October 4, 2019 - Carteret Community College
3505 Arendell Sreet, Morehead City, NC 28557

Central Collection and Distribution School
March 2 - 6, 2020 - McKimmon Center
1101 Gorman Street, Raleigh, NC 27606

Western Collection and Distribution School
July 8 - 12, 2019 - Foothills Higher Education Center
2128 South Sterling Street, Morganton, NC 28655

**IMPORTANT DEADLINES - Coastal School**
Form and complete payment must be received on or before the following dates. Applications for all classes are accepted on a first come, first served basis. Class space is limited especially the Backflow/Cross Connection class.

Early Registration Deadline: September 6, 2019
Advanced Book Purchase Deadline: September 20, 2019
Final Deadline: September 20, 2019
Refund Deadline: September 20, 2019

**VENDOR SHOW - Coastal School**
When: Wednesday, October 2, 2019
Time: 5:00 p.m. - 6:30 p.m.
Vendors will be set-up from 3:30 p.m. - 7:00 p.m. Door prize drawings will take place after dinner.
Where: Coral Bay Club
Who: All students registered for Backflow/Cross Connection, Collections I, II, III, & IV, and Distribution C, B, & A are invited to attend.
For information on exhibiting, refer to pages 14-15, or contact the NC AWWA-WEA office at 919-784-9030.

**Books/Needs to Know**
It is highly recommended that students refer to the Advanced Book Purchase Form/Course Materials Guide on pages 28 - 29 and have access to the books that correspond to their class.

As of January 1, 2013, NC AWWA-WEA is no longer fulfilling book orders by shipment. School attendees may use the form on pages 28 - 29 to order their books in advance and pick them up at the school.

Please note, the appropriate Needs To Know Manual for each course is included in the registration fee, and students will receive their manual when they arrive at school. Needs To Know Manuals are also available on https://www.ncsafewater.org/page/Bookstore and may be downloaded for free.

**PURPOSE/OBJECTIVE**
The objective of the school is to REVIEW the basic concepts in the proper operation and maintenance of water distribution and wastewater collection systems. The curriculum will provide information that should be helpful in preparing a participant for the mandatory certification exams in Water Distribution, Backflow, and Wastewater Collection, and the voluntary certification exam for Meter Technician. Schools include course programs in: Water Distribution (C, B, & A), Wastewater Collection (I, II, III, and IV), Backflow Prevention/Cross-Connection Control, Shoring, and Meter Technician.

**CLASS OFFERED**
Shoring
Backflow/Cross Connection
Distribution (C, B, and A)
Collection (I, II, III, and IV)
Meter Technician - ONLY offered at Central Collection & Distribution School.

**CLASS LOCATIONS**
Directions/map will be provided with your registration confirmation.

** Lodging**
Attendees are responsible for making their own reservations. Room blocks have not been reserved at these hotels. Prices are correct at the time of publication. Please call the hotel to confirm pricing and what is included with the rate.

Beaufort Hotel
2440 Lennoxville Road, Beaufort, NC 28516, 252-728-3000

Inn at Pine Knolls Resort
511 Salter Path Road, Atlantic Beach, NC 28512, 252-247-4155

Hampton Inn Morehead City
4035 Arendell Street, Morehead City, NC 28557, 252-240-2300

Palm Suites Atlantic Beach
602 W Fort Macon Road, Atlantic Beach, NC 28512, 252-247-6400

All are $94 a night plus tax.

**LUNCH & BREAKS**
Short 10-15 minute breaks will be given throughout the day with refreshments available, and a one-hour lunch break will be given around noon. Lunch will be provided Monday - Thursday.
Backflow/Cross Connection

Tentative Schedule
Monday: Registration 7:30 a.m., Class 8:00 a.m. - 4:30 p.m.
Tuesday: 8:00 a.m. - 4:30 p.m.
Wednesday: 8:00 a.m. - 4:30 p.m.
Thursday: 8:00 a.m. - 4:00 p.m.
Friday: 8:00 a.m. - 12:00 p.m.

Contact Hours
• Wastewater Operators: This seminar is approved by the WPCSOCC for 25.0 contact hours for continuing education. Must be present for entire class to receive certificate of attendance.
  Course ID: CE11160012
• Water Treatment Facility Operators, Distribution Operators, Cross Connection/Backflow Operators: This seminar is approved for 25.0 contact hours for continuing education by the NCWTFOCB. Must be present for 80% of class to receive certificate of attendance.
  Course ID: 091346
• Students who attend at least 80% of the class and DO NOT pass the practical exam are not eligible to take the state certification exam, but will receive a letter indicating the number of contact hours earned.

Topics Include:
Cross Connections, Confined Spaces, Repair and Troubleshooting, Residential Protection, Record Keeping, Safe Drinking Water Act Requirements, Pressure Vacuum Breaker, Operation and Testing, Reduced Pressure, and Double Check Valve Assembly

Please Note
• CLASS SPACE IS LIMITED.
• Students need to bring several small screwdrivers, a calculator, and should dress for a wet lab environment.
• Textbooks for this class are included in the class registration fee and will be given to students at the school. These books cannot be purchased through our bookstore.

Shoring
Covers activities and dangers related to ditch cave-in and is explained in practical application of techniques using appropriate equipment for shoring.

Tentative Schedule
Tuesday: Registration - 7:30 a.m., Class - 8:15 a.m. - 4:30 p.m.

Contact Hours
• Wastewater Operators: This seminar is approved by the WPCSOCC for 6.0 contact hours for continuing education. Must be present for entire class to receive certificate of attendance.
  Course ID: CE01310102
• Water Treatment Facility Operators, Distribution Operators, Cross Connection/Backflow Operators: This seminar is approved for 6.0 contact hours for continuing education by the NCWTFOCB. Must be present for 80% of class to receive certificate of attendance.
  Course ID: 091346
• Shoring is required to sit for the C-Distribution exam. As of October 2003, Collections I NO LONGER fulfills this requirement.

Collections I, II, III, and IV

Tentative Schedule
Wednesday: Registration 7:30 a.m., Class 8:00 a.m. - 4:15 p.m.
Thursday: 8:00 a.m. - 4:15 p.m.
Friday: 8:00 a.m. - 12:00 p.m.

Contact Hours
Approved for 17.0 contact hours for continuing education for wastewater operators by the NCWPCSOCC. Must be present for 80% of class to receive certificate of attendance. See below for course IDs.

Course Materials
Refer to the Course Materials Guide on page 29 for a list of books suggested for these classes.

Grade I WPCSOCC ID: BE03241401
• Topics Include: Concepts & Terminology, Job Site Pre-Planning, Math, Public Relations, and Shoring & Underground Construction Safety

Grade II WPCSOCC ID: BE03241402
• Topics Include: Basic Traffic Control, Lift Station Basics, Math, Sewer Rehabilitation, and Root Control/Sewer Cleaning Techniques

Grade III WPCSOCC ID: BE03241404
• Topics Include: Lift Station Design & Maintenance, Maps & Record Keeping, Math & Hydraulics, and Sewer Cleaning & Maintenance

Grade IV WPCSOCC ID: BE03241403
• Topics Include: Hydraulic Design, Lift Stations, Math, Sewer Rehabilitation, Supervision & Interviewing, and Testing Systems for Acceptance
The North Carolina American Water Works Association and Water Environment Association (NC AWWA-WEA) presents three exhibit opportunities from our Collection & Distribution School Committee at three Collection & Distribution Schools at different locations throughout the year:

**Coastal Collection & Distribution School**  
September 30 - October 4, 2019 - Carteret Community College  
3505 Arendell Street, Morehead City, NC 28557

**Central Collection and Distribution School**  
March 2 - 6, 2020 - McKimmon Center  
1101 Gorman Street, Raleigh, NC 27606

**Western Collection and Distribution School**  
July 13 - 17, 2019 - Foothills Higher Education Center  
2128 South Sterling Street, Morganton, NC 28655

At each of these schools we host a vendor show on Wednesday to give attendees an opportunity to meet with their fellow students, instructors, and vendors. We invite you to display products targeted towards Collection System Operators, Distribution System Operators, Meter Technicians, and Backflow/Cross-Connection Operators. Space can be reserved for a fee of $150 (non-refundable) per Collection & Distribution School.

Applications are currently being accepted for exhibiting at the Coastal Collection & Distribution School in Morehead City, NC. The 2019 Collection and Distribution School Exhibit Rules and Regulations printed on this page should address any questions that you may have. Please complete the application and return it with your fee. Your space cannot be guaranteed until your fee and application have been received.

For questions about this application and payment, contact Erin Bowers at 919-784-9030.

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**GENERAL EXHIBIT RULES & REGULATIONS**

The North Carolina Section of the American Water Works Association and the North Carolina Water Environment Association (NC AWWA-WEA) will assign space to exhibitors based on the judgment of the Collection & Distribution School Committee.

Exhibit space is being provided with the understanding that NC AWWA-WEA and/or any hosting location are not liable for any occurrences due to negligence of the exhibitor. Exhibitors agree to maintain such insurance that will fully protect NC AWWA-WEA from any and all claims of any nature, including claims under the Workers' Compensation Act and for damages for personal injury, including death, which may arise in connection with the operation of the exhibitor’s display and which is caused by negligence of the exhibitor.

Exhibitors will abide by all other provisions of said rules and regulations, fire regulations, and all other regulations of government agencies and/or any hosting location.

Exhibitors will make their own arrangements for delivery and receipt of any shipments related to their exhibit.

Exhibitors will make their own arrangements for any special audio-visual equipment they should require.

NC AWWA-WEA and its authorized representative(s) reserve the right to request modification of any questionable exhibit.

**EXHIBIT SPACE DESCRIPTION**

Each exhibit space will include:

- Covered 6 foot table and 2 chairs
- Electrical service is available upon request (Please indicate on your application if you need electricity.)
- Printed copy of Collection & Distribution School attendance list
- Meal during the show

Each exhibitor may provide their own sign for their exhibits.

Exhibitors are reminded that the NC AWWA and NC WEA are nonprofit organizations. Therefore, the provision of exhibit space is for product education and training purposes only. Direct sales are strictly prohibited.

Exhibits must be set up between 3:30 p.m. - 4:30 p.m. and broken down between 6:30 p.m. - 7:00.m.

**APPLICATION AND PAYMENT**

Receipt of exhibit space application AND complete $150 (non-refundable) fee per school is required to reserve a space. Only one space will be allowed per company.

In the event of a cancellation of an exhibitor, NC AWWA-WEA will make space available to another party requesting exhibit space based on the order in which the requests were received.
2019 Coastal Collection & Distribution School, Vendor Registration Form
NC AWWA-WEA
2841 Plaza Place, Suite 130, Raleigh, NC 27612
Phone: 919-784-9030  Fax: 919-784-9032  www.ncsafewater.org

Instructions
To submit a registration, complete all requested information on the vendor form and mail to the above address or fax to the number provided above. The form and $150 payment must be submitted together. Faxed registrations must be paid by credit card. Online registration is available at www.ncsafewater.org. Credit card payment is required for online registration. Spaces will not be reserved until the form and $150 payment are received. At this time exhibit registrations are only being accepted for the Coastal Collection & Distribution School.

Event Details
$150 non-refundable fee includes:
• One exhibit booth in the 2019 Coastal Collection & Distribution School Vendor Show on Wednesday, October 2, 2019
• Covered 6 foot table and 2 chairs
• Electrical service is available upon request
• Printed copy of Collection & Distribution School attendance list
• Lunch during the show

Company Information
Company: ____________________________________________________________

Contact Person Name: ________________________________________________

Mailing Address: ______________________________________________________
____________________________________________________________________
City: __________  State: __________  Zip Code: __________
Phone: ______________________  Fax: ________________________________
Email: ______________________

Booth Information
Products to be exhibited: ____________________________________________
____________________________________________________________________

Do you need electricity in your booth?  ____ Yes  ____ No

Names of booth workers for name tags:
____________________________________________________________________
____________________________________________________________________

Item(s) donated for door prize(s):
____________________________________________________________________
____________________________________________________________________

Receipt/Confirmation
Confirmations are EMAILED to the registrant. Confirmations will only be mailed to the registrant when an email address is not provided.

If you are registering for an event and do not receive confirmation of your registration, contact the NC AWWA-WEA office BEFORE the event to confirm your registration. Refunds and switches will NOT be granted to attendees who do not attend an event because they did not receive confirmation of their registration.

It is the responsibility of the person receiving the receipt/confirmation to forward as necessary. Duplicate copies of receipts may be printed from within your profile at www.ncsafewater.org. If you need the NC AWWA-WEA office to print a duplicate receipt, it may take up to five business days to process. A form for requesting a duplicate receipt may be obtained by visiting www.ncsafewater.org.

Privacy Release
As of January 2015, due to privacy issues, registration/membership information can no longer be provided via phone, email, or mail to anyone other than the participant without prior consent in writing.

To provide prior consent to share information in your profile, you may choose one of the following methods:
1. Log into your profile on www.ncsafewater.org and update the fields referencing Profile Access.
2. Complete the fields below, and we will place the information in your profile.

Once you approve the sharing of your information with the person named below, that person will have access to all information in your record. You may revoke or change this consent at any time in writing by emailing admin@ncsafewater.org.

Name of person: ______________________________________________________

Signature: ___________________________________________________________

Payment

☑ Cash  ☑ Check/Money Order
☑ Credit Card (☑ MasterCard  ☑ Visa  ☑ American Express)

Credit Card #: ______________________________________________________
Exp. Date: __________  3-4 digit code: __________
Cardholder Name: ____________________________________________________

Billing Address (Where you receive your credit card statement):
____________________________________________________________________
City: __________  State: __________  Zip Code: __________

Cardholder Phone: ______________________

Cardholder Signature: ________________________________________________

I AUTHORIZE NC AWWA-WEA TO CHARGE $ ______ TO THE CREDIT CARD NUMBER LISTED ABOVE.

Exhibitor Agreement
The North Carolina Section of the American Water Works Association and the North Carolina Water Environment Association (NC AWWA-WEA) is hereby authorized to reserve one space for the undersigned in the exhibit hall of the 2019 Coastal Collection & Distribution School Vendor Show on Wednesday, October 2, 2019 in Morehead City, NC. We agree to accept the space assigned by the NC AWWA-WEA Collection & Distribution School Committee representative(s). We have read, understand, and agree to comply with the 2019 Collection and Distribution School Exhibits Rules and Regulations that we received along with this application. We have enclosed the non-refundable fee of $150 per Collection & Distribution School.

Contact Person Signature: ____________________________________________

Date: ______________________
Want to be **seen** by over 1,000 water/wastewater professionals?

Want a chance to **earn** CEUs?

Want to **network** with over 180 other vendors?

Want to help us **honor** our incoming WEF President, Jackie Jarrell?

**Register to exhibit at the NC AWWA-WEA 99th Annual Conference!**

**Game on**

*Moving forward in the water game*

**November 3-6, 2019**
Raleigh Convention Center, Raleigh, NC

Registration and details at [ncsafewater.org/AnnualConf](ncsafewater.org/AnnualConf)
WANTED
PIPE TAPPING TEAMS

Test your PRECISION, STRENGTH, AND SPEED

Are you looking for a challenge and excitement?
Do you like to show off your skills?
Do you like to travel?

If you answered “YES” to any of the above questions consider putting together a few of your coworkers and develop your own tapping team to compete at the 2019 North Carolina AWWA-WEA Annual Conference.

Coed teams are eligible to participate.

The winning teams will represent the North Carolina section and compete in the national competition held at ACE20 in Orlando, FL.

If you are interested in putting together a team or for more information contact:
Josh Bennett, NC AWWA-WEA Pipe Tapping Competition Coordinator
Phone: 984-202-6873
Email: joshua.bennett@raleighnc.gov

Start your team TODAY!
Wastewater Operator Schools

Eastern Biological Wastewater Treatment Plant Operators School
April 20 - 24, 2020
NCSU McKimmon Center - Raleigh, NC
1101 Gorman Street, Raleigh, NC, 27606
Registration Opens: January 2020
Early Registration Deadline: March 20, 2020
Advanced Book Purchase Deadline: April 10, 2020
Final Registration Deadline: April 10, 2020
Refund Deadline: April 10, 2020
Switch Deadline: April 10, 2020

Physical/Chemical Wastewater Treatment Plant Operators School
April 21 - 24, 2020
NCSU McKimmon Center - Raleigh, NC
1101 Gorman Street, Raleigh, NC, 27606
Registration Opens: January 2020
Early Registration Deadline: March 20, 2020
Advanced Book Purchase Deadline: April 10, 2020
Final Registration Deadline: April 10, 2020
Refund Deadline: April 10, 2020
Switch Deadline: April 10, 2020

Western Biological Wastewater Treatment Plant Operators School
More info to come and registration to open: January 2020
Requests to switch schools must be received in writing. Registrants may only switch between the Eastern and Western Biological Wastewater Treatment Plant Operators Schools. A $15 administrative fee will be charged for each switch.

CLASS LOCATIONS
All classes will take place at the addresses listed. Directions/map to the appropriate location will be provided with your registration confirmation.

LODGING
Attendees are responsible for making their own reservations. Room blocks have not yet reserved at these hotels. Prices are correct at the time of publication. Please call the hotel to confirm pricing and what is included with the rate.
Room block information to be released in 2020.

WHAT’S INCLUDED WITH REGISTRATION
For all classes listed below, short 10-15 minute breaks will be given twice a day with refreshments available.

<table>
<thead>
<tr>
<th>Biological WW School Grade</th>
<th>I</th>
<th>II</th>
<th>III</th>
<th>IV</th>
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<tbody>
<tr>
<td>NC Biological Training Course Standards - Grades I &amp; II <em>(Needs to Know)</em></td>
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<td>Lunch included (Friday)</td>
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<table>
<thead>
<tr>
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<th>Grade I ONLY</th>
<th>Grade II ONLY</th>
<th>Grades I &amp; II</th>
</tr>
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<tbody>
<tr>
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<td>Lunch - Day 3</td>
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<td></td>
</tr>
<tr>
<td>Lunch - Day 4</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Books/Needs to Know

It is highly recommended that students refer to the Advanced Book Purchase Form/Course Materials Guide on pages 28 - 29 and have access to the books that correspond to their class.

As of January 1, 2013, NC AWWA-WEA is no longer fulfilling book orders by shipment. School attendees may use the form on pages 28 - 29 to order their books in advance and pick them up at the school. Depending on inventory, there may be a limited number of books available for purchase at the school. If you would like to purchase books from another source, a list of potential book vendors is available at https://www.ncsafewater.org/page/Bookstore.

Please note, the appropriate Needs to Know Manual for each course is included in the registration fee, and students will receive their manual when they arrive at school. Needs to Know Manuals are also available on https://www.ncsafewater.org/page/Bookstore and may be downloaded for free.
SUCCESSFUL COMPLETION
Successful completion constitutes attendance at a minimum of 80% of the school’s total class hours.

BIOLOGICAL WASTEWATER COURSE DESCRIPTIONS

These courses are designed to provide the individual with a general knowledge of the operation of wastewater treatment systems. The courses will provide the individual with knowledge of the laws and regulations related to wastewater treatment systems operation, and equipment usually employed in such plants, and the ability to describe the general operation requirements for such plants. This course is designed to assist the individual in preparation for the North Carolina Water Pollution Control System Operators Certification Commission Examination.

Biological Wastewater - Grade I
WPCSOCC Course ID: BE07110501

Tentative Schedule
Monday: Registration 7:15 a.m., Class 8:00 a.m. - 4:30 p.m.
Tuesday: 8:00 a.m. - 5:15 p.m.
Wednesday: 8:00 a.m. - 5:15 p.m.
Thursday: 8:00 a.m. - 5:15 p.m.
Friday: 8:00 a.m. - 11:15 a.m. (Lunch not included.)


Biological Wastewater - Grade II
WPCSOCC Course ID: BE07110502

Tentative Schedule
Monday: Registration 7:15am, Class 8:00 a.m. - 5:30 p.m.
Tuesday: 8:00 a.m. - 5:15 p.m.
Wednesday: 8:00 a.m. - 5:15 p.m.
Thursday: 8:00am - 5:15 p.m.
Friday: 8:00 a.m. - 4:00 p.m. (Lunch included.)


Biological Wastewater - Grade III
WPCSOCC Course ID: BE071120501

Tentative Schedule
Monday: Registration 7:15 a.m., Class 8:00 a.m. - 4:30 p.m.
Tuesday: 8:00 a.m. - 5:15 p.m.
Wednesday: 8:00 a.m. - 5:15 p.m.
Thursday: 8:00 a.m. - 5:15 p.m.
Friday: 8:00 a.m. - 12:15 p.m. (Lunch not included.)


Biological Wastewater - Grade IV
WPCSOCC Course ID: BE07120502

Tentative Schedule
Monday: Registration 7:15 a.m., Class 8:00 a.m. - 5:30 p.m.
Tuesday: 8:00 a.m. - 5:15 p.m.
Wednesday: 8:00 a.m. - 5:15 p.m.
Thursday: 8:00am - 5:15 p.m.
Friday: 8:00 a.m. - 4:00 p.m. (Lunch included.)


PHYSICAL/CHEMICAL WASTEWATER COURSE DESCRIPTION

Physical/Chemical - Grade I
WPCSOCC Course ID: BE06210401

Tentative Schedule
Tuesday: Registration 7:30, Class 8:00 a.m. - 4:30 p.m.
Wednesday: 8:00 a.m. - 5:30 p.m.
Thursday: 8:00 a.m. - 12:00 p.m. (Lunch not included.)
Friday: 8:00 a.m. - 3:30 p.m.


Physical/Chemical - Grade II
WPCSOCC Course ID: BE03110401 (Grade I & II)

Tentative Schedule
Thursday: 1:00 p.m. - 4:30 p.m. (Lunch not included)
Friday: 8:00 a.m. - 3:30 p.m.

Topics Include: Chemical Treatment Processes, Chlorination/Dechlorination & Ultraviolet Disinfection, pH Adjustment/Neutralization, Coagulation, Rapid Mix, Flocculation & Clarification, Metal Precipitation & Removal, Ultra-Filtration (UF), Reverse Osmosis, Ion Exchange, and Industrial Waste
Maintenance Technologist School and Exams

Eastern Maintenance Technologist Schools & Exams - Class I, II, III, & IV

April 20 - 23, 2020
NCSU McKimmon Center - Raleigh, NC
1101 Gorman Street, Raleigh, NC, 27606
Registration Opens: January 2020
Early Registration Deadline: March 20, 2020
Advanced Book Purchase Deadline: April 10, 2020
Final Registration Deadline: April 10, 2020
Switch Deadline: April 10, 2020
Refund Deadline: April 10, 2020

Western Maintenance Technologist Schools & Exams - Class I, II, & III

More information to be released in January 2020.

Maintenance professionals in the water and wastewater industry continue to be confronted with increasing technology challenges and changes requiring an extensive knowledge of the many facets of industrial maintenance. In order to stay abreast of these challenges, our profession needs to implement a continual program of education, reinforcement, and validation of the skills necessary to sustain our industry.

A maintenance training and certification program provides the ability to raise and validate knowledge and skills required to successfully perform maintenance activities according to current professional standards. Two four-day schools are being offered in 2020. Each school will consist of 3.5-days of instruction culminating in the opportunity for attendees to become certified by taking the Plant Maintenance Technologist Exam on the afternoon of the fourth day. The certification exam taken will correspond with the class level taught at a particular school.

CLASS LOCATIONS

All classes will take place at the addresses listed above. Directions/map to the appropriate location will be provided with your registration confirmation.

LODGING

Lodging information will be released in 2020. Attendees are responsible for making their own reservations.

Books/Needs to Know

It is highly recommended that students refer to the Advanced Book Purchase Form/Course Materials Guide on pages 28 - 29 and have access to the books that correspond to their class.

As of January 1, 2013, NC AWWA-WEA is no longer fulfilling book orders by shipment. School attendees may use the form on pages 28 - 29 to order their books in advance and pick them up at the school. Depending on inventory, there may be a limited number of books available for purchase at the school. If you would like to purchase books from another source, a list of potential book vendors is available at https://www.ncsafewater.org/page/Bookstore.

Please note, the appropriate Needs to Know Manual for each course is included in the registration fee, and students will receive their manual when they arrive at school. Needs to Know Manuals are also available on https://www.ncsafewater.org/page/Bookstore and may be downloaded for free.

LUNCH & BREAKS

Each day short 10 minute breaks will be given throughout the day with refreshments available, and a one-hour lunch break will be given around noon. Lunch will be provided.

COMPLETION & CERTIFICATES OF ATTENDANCE

Participants must successfully complete a minimum of 80% of the approved contact hours (not including the exam). Those who complete 80% of the total contact hours will receive a certificate of attendance. This certificate will document attendance for use in demonstrating continuing education units (CEUs).

Participants who complete 80% of the total contact hours AND pass the certification exam will receive a certificate of attendance in addition to their Maintenance Technologist Certification. Certificates of attendance will be distributed before the exam and qualify as documentation to receive continuing education units (CEUs).

For information on approved contact hours, refer to the Continuing Education Credits (CEUs) section under each course description.

For individuals that pass the exam, Maintenance Technologist certificates will be mailed after the certification exams have been graded. Please allow 8-12 weeks to receive your exam results and/or certificate.

COURSE DESCRIPTIONS

Maintenance Technologist - Class I

Class I instruction covers the basics of maintenance. Subjects covered will include the importance of lubrication and the importance of frequent equipment monitoring followed by routine preventive maintenance (PM). Class I is geared toward the apprentice-level person needing a foundation of terminology and the basic principles of PM. Basic math skills are required. Maintenance mechanics and technicians with experience may consider this level a review and preparation for the Class II exam.

Eligibility Requirements

- High school diploma, GED, or equivalent
- One year of acceptable maintenance experience in a water or wastewater system (acceptable maintenance experience for Class I includes lubricating, performing readings, conducting rounds, and performing routine preventive maintenance).
- No substitution of education for experience shall be permitted.
Tentative Schedule
Monday: Registration 7:30 a.m., Class 8:00 a.m. - 5:00 p.m.
Tuesday: 8:00 a.m. - 5:00 p.m.
Wednesday: 8:00 a.m. - 4:45 p.m.
Thursday: Class 8:00 a.m. - 12:00 p.m., Lunch 12:00 p.m. - 1:00 p.m.,
Test Taking Skills & Exam 1:00 p.m. - 4:30 p.m.

Agenda Topics
Drawings, Electrical Devices and Concepts, Instrumentation,
Lubrication/Predictive Maintenance, Maintenance Administrative
Management, Maintenance Security Management, Materials/
Fasteners, Math, Motors and Drives, Pipes and Valves, Pressure
Vessels and Blowers, Pumps, Rotating Components, Safety, Safety
Practices, Tools/Hand, Tools/Precision.

Continuing Education Credits (CEUs)
Attendees must be present for 80% of the class in order to receive
CEUs. No partial credit will be given.
• Water Treatment Facility Operators: Class I is approved for 23.0
contact hours for continuing education by the NCWTFOCB.
  COURSE ID: 091420
• Wastewater Operators: Class I is approved for 23.0
contact hours for continuing education by the WPCSOCC.
  COURSE ID: BE06290901
• Class I is approved for 23.0 PDHs for Professional Engineers.

Maintenance Technologist - Class II
Class II instruction will build on the principles of preventive
maintenance covered in Class I by examining routine methods
of equipment tear-down, performing repairs, and installing or
reinstalling equipment. This level is a little more challenging for
both new and more seasoned maintenance personnel. Students
preparing for Class II should refer to the Needs to Know and
review the suggested readings well in advance of the school. Prior
knowledge of intermediate shop math concepts will be helpful for
this and subsequent certification levels.

Eligibility Requirements
• Hold an active Class I Maintenance Technologist Certificate,
• Three years of acceptable maintenance experience in a
water or wastewater system, with a minimum of two years
performing Class II duties (acceptable maintenance experience
for Class II includes tearing down equipment, performing
repairs, and installing and reinstalling.)
• Substitution of related education for experience shall be
permitted but shall not exceed 50% of the stated maintenance
experience requirement.

Tentative Schedule
Monday: Registration 7:30 a.m. - 8:00 a.m., Class: 8:00 a.m. - 5:00
p.m.
Tuesday: 8:00 a.m. - 4:30 p.m.
Wednesday: 8:00 a.m. - 4:45 p.m.
Thursday: Class 8:00 a.m. - 12:00 p.m., Lunch 12:00 p.m. - 1:00 p.m.,
Test Taking Skills Exam 1:00 p.m. - 4:30 p.m.

Continuing Education Credits (CEUs)
Attendees must be present for 80% of the class in order to receive
CEU’s. No partial credit will be given.
• Water Treatment Facility Operators: Class II is approved for
23.0 contact hours for continuing education by the NCWTFOCB.
  COURSE ID: 091420
• Wastewater Operators: Class II is approved for 23.0
contact hours for continuing education by the WPCSOCC.
  COURSE ID: BE03311101
• The Class II school is approved for 23.00 PDHs. for Professional
Engineers.

Maintenance Technologist - Class III
Class III is designed to demonstrate competency at the advanced
skilled and journey working level. More specifically, Class III
certification implies competence in the knowledge, skills, and
abilities required to perform the core competencies of an advanced
skilled and journey working level maintenance technologist.

Eligibility Requirements
• Hold an active Class II Maintenance Technologist certificate, and
• Successful completion of a NC AWWA-WEA Class III
  Maintenance Technologist course, and
• Five years of acceptable maintenance experience in a water
  or wastewater treatment facility, inspecting and supervising
  Class I and II duties and analyzing and performing predictive
  maintenance with a minimum of two years performing Class III
duties.
• Substitution of related education for experience shall be
  permitted but shall not exceed 50% of the stated maintenance
  experience requirement.

Tentative Schedule
Monday: Registration 7:30 a.m., Class 8:00 a.m. - 4:25 p.m.
Tuesday: 8:00 a.m. - 4:55 p.m.
Wednesday: 8:00 a.m. - 4:20 p.m.
Thursday: Class 8:00 a.m. - 11:20 a.m., Lunch 11:20 a.m. - 12:20 p.m.,
Test Taking Skills 12:20 p.m. - 12:50 p.m., Exam 1:00 p.m. - 4:00 p.m.

Agenda Topics
Advanced Lubrication/Predictive Maintenance, Advanced Materials,
Advanced Tools, Drawings, Electrical Devices and Concepts,
Instrumentation, Maintenance Management, Math, Motors and
Drives, Pipes and Valves, Pressure Vessels, Pumps, Rotating
Components, Safety

Continuing Education Credits (CEUs)
Attendees must be present for 80% of the class in order to receive
CEU’s. No partial credit will be given.
• Water Treatment Facility Operators: Class III is approved for
23.0 contact hours for continuing education by the NCWTFOCB.
  COURSE ID: 091420
• Wastewater Operators: Class III is approved for 23.0
contact hours for continuing education by the WPCSOCC.
  COURSE ID: BE03311102
• The Class III school is approved for 23.00 PDHs. for Professional
Engineers.
Maintenance Technologist - Class IV
Certified Maintenance Technologist IV Certification is designed to demonstrate competency at the Program Manager level whether as a Supervisor or Lead Person. More specifically, Class IV certification implies competence in the knowledge, skills, and abilities required to perform the job duties of a supervisory working and management level Maintenance Technologist.

Class IV will only be offered at the Eastern School taking place in April in Raleigh, NC.

Eligibility Requirements
- Hold an active Class III maintenance technologist certificate,
- Successful completion of an NC AWWA-WEA Class IV Maintenance Technologist course, and
- A minimum of seven years of acceptable maintenance experience, including a minimum of 1 year supervising others and 1.5 years of acceptable maintenance experience in water or wastewater systems. Acceptable, related maintenance experience may be used for the balance of the seven year requirement, but in any case such experience shall include a minimum of two years performing Class III duties and one year of supervising others. Acceptable maintenance experience and duties for Class IV include: inspecting and supervising Class I, II and III duties, recommending purchases, developing work and maintenance schedules and evaluating personnel performance. Participate in establishment of goals, objectives, policies and priorities. Preparation and presentation of staff reports and budgets. Design and administration of safety programs.
- Substitution of related education for experience shall be permitted but shall not exceed 50% of the stated maintenance experience requirement for Class IV.

Tentative Schedule
Monday: Registration 7:30 a.m. - 8:00 a.m., Class: 8:00 a.m. - 4:25 p.m.
Tuesday: 8:00 a.m. - 4:55 p.m.
Wednesday: 8:00 a.m. - 4:20 p.m.
Thursday: Class 8:00 a.m. - 11:20 a.m., Lunch 11:20 a.m. - 12:20 p.m.

Continuing Education Credits (CEUs)
Attendees must be present for 80% of the class in order to receive CEU’s. No partial credit will be given.
- Water Treatment Facility Operators: Class IV is approved for 23.0 contact hours for continuing education by the NCWTFOCB.COURSE ID: 091420
- Wastewater Operators: Class IV is approved for 23.0 contact hours for continuing education by the WPCSOCC.
  COURSE ID: BE03311103
- The Class IV school is approved for 23.0 PDHs for Professional Engineers.

Certification Exam
The testing window for Class IV is August 3-17, 2020. Participants who successfully complete the level IV class will receive information after the conclusion of the school about registering for an exam site. The exam will be a computerized test given at multiple sites around North Carolina.

A Special thank you to our

Wavemaker PRESIDENTIAL SPONSORSHIP

Gold Sponsors

BLACK & VEATCH HDR
Ready for a

**CHALLENGE?**

*Put your skills to the test in the Operations Challenge events at our Annual Conference!*

Four-person teams, along with their coach, compete in events that challenge their skills in various wastewater related activities! Test your skills in the following events:

**Collections System Event**
Simulates the repair of a damaged 8-inch PVC sewer pipe, and the connection of a 4-inch sewer lateral, using an Inserta Tee fitting, while the 8-inch pipe remains in service. Also simulates the installation and programing of an automated Hach AS950 compo-site sampler, to collect a composite sample of the “flow” in the 8-inch pipe.

**Maintenance Event**
Simulates the failure of one pump in a duplex lift station, and the full ser-vicing of a trailer mounted Godwin Dri-Prime NC80 pump. Once the pump service is complete, the Godwin Pump is temporarily connected to the lift station, and programmed for automatic opera-tion with the use of a level probe.

**Laboratory Event**
Simulates analyzing a series of process control samples for pH, alkalinity, and ammonia using Orion instruments. Once the samples have been analyzed, the teams must perform process control calculations to determine if sufficient alkalinity is in the treatment system to sustain nitrification.

**Safety Event**
Simulates a confined space entry to repair a check valve. During the confined space entry, a worker collapses in the confined space, and a confined space rescue must also take place. The repairs to the check valve must continue on, while the rescue of the collapsed worker is carried out. This event uses a XTRIPA system to facilitate the confined space entry and rescue.

**Process Control Event**
A timed event giving the teams an opportunity to demonstrate their accumulated knowledge and skill in the areas of laboratory pro-cedures, collections system operation, maintenance, safety, and troubleshooting. The process control event will split the teams into two-person groups, with one group completing a thorough written test including multiple choice questions and short math questions, while the other group uses Hydromantis simulation software to complete complex operational scenarios on a simulated wastewater treatment plant. The Process Control Event will take place in Room 205.

*For information on starting a team or volunteering, contact Greg Morgan at gregmorgan@unioncountync.gov or 704-507-0372. For more information on Operations Challenge, visit https://www.rmwea.org/oc.php*

**Start your team TODAY!**
PARTIAL EXAM ELIGIBILITY REQUIREMENTS

All schools serve as a REVIEW for examinations and represent the minimum required training. Participants are reminded that success on a certification exam is a combination of education, specialized training, and actual experience in the field. Since all of the relevant material cannot be covered during the school, it is expected that participants will have studied extensively before the schools. All concepts covered on certification exams may NOT be covered at the school.

Please note that although successful completion of an approved school is a requirement to sit for any exam, it is not the only requirement. For a complete listing of the eligibility requirements for the exams, contact the appropriate agency.

DISTRIBUTION & BACKFLOW/CROSS CONNECTION EXAMS

Exams will not be given at the end of the school. For questions about exams, dates, locations, participation requirements, certification qualifications or to obtain an exam application call 919-707-9040 or visit www.ncwater.org/pws/.

COLLECTIONS, BIOLOGICAL WASTEWATER, & PHYSICAL CHEMICAL EXAMS

Exams will not be given at the end of the school. For questions about exams, dates, locations, participation requirements, certification qualifications or to obtain an exam application call 919-807-6353 or visit http://portal.ncdenr.org/web/wq/admin/tacu.

METER TECHNICIAN EXAM

NC AWWA-WEA will offer the Voluntary Meter Technician Certification Exam at the Central Collection & Distribution School, March 2 - 6, 2020. For more information on the Voluntary Meter Technician Certification Program and Exam, please visit https://www.ncsafewater.org/page/MeterTech or contact the NC AWWA-WEA office at 919-784-9030.

MAINTENANCE TECHNOLOGIST EXAM

In 2020 NC AWWA-WEA will offer exams for Classes I, II, and III at the April school in Raleigh. For more information on Maintenance Technologist Certification Exams and exam retakes refer to https://www.ncsafewater.org/page/MaintTechSchool or contact the NC AWWA-WEA office at 919-784-9030.

Exams for Maintenance Technologist Class I, II & III are held on the last day of the Maintenance Technologist School. A score of 70% or greater is required to pass the exam. If you require any specific testing accommodations due to the Americans with Disabilities Act (ADA), please notify us at least six (6) weeks in advance to ensure arrangements are completed in a timely manner.

Exam Retakes: Participants are eligible to retake the exam a maximum of three (3) times before having to retake the class. It is not necessary to qualify to attend the class again, only register to take the exam. A completed registration form along with payment would need to be received by the registration deadline.

For Class I, II & III: The Needs to Know Manual can be used as a study reference and is located on the MAINTENANCE TECHNOLOGIST CERTIFICATION & EXAM page via our website. It may be downloaded at no additional cost.

For Class IV Exam: In addition to the Needs to Know Manual, candidates eligible for the Class IV exam retake or exam will receive additional study materials attached to the notice to register via email.

MAINTENANCE TECHNOLOGIST RENEWALS

The NC AWWA-WEA requires new and current certificate holders to complete a minimum of six (6) credit hours of continuing education every calendar year. Only courses/trainings approved by the NC Department of Environmental Quality for drinking or wastewater are considered. Documentation of the required course completion and applicable fees MUST be submitted along with the renewal application. Renewal applications can be found on our website at www.ncsafewater.org/MainTechExam or by calling 919-784-9030.

VOLUNTARY WASTEWATER LABORATORY ANALYST EXAM

In 2020, NC AWWA-WEA will offer the Voluntary Wastewater Laboratory Analyst Exam in both March and October. Stay tuned for more information on exact exam dates, times, and locations.

For more information about the Voluntary Wastewater Laboratory Analyst Certification Program & Exam, visit https://www.ncsafewater.org/page/WWLabExam or contact the NC AWWA-WEA office at 919-784-9030.
Want to network with over 1,000 water/wastewater professionals?
Want to earn CEUs from a vast array of water, wastewater, young professional, policy, and special topics?
Want to meet with over 180 vendors?

Register for the NC AWWA-WEA 99th Annual Conference!

More information, tentative technical schedule, and registration is available at ncsafewater.org/AnnualConf

Regional GROW meetings foster a sense of community among NC AWWA-WEA members, serve as an informal setting to introduce non-members to the benefits of membership, and increase communication and coordination among water professionals in the region and across North Carolina.

While the location and topic of each meeting will change, G.R.O.W. meetings offer great food, and networking at an affordable cost.

G.R.O.W. events are open to everyone!

G.R.O.W. Meetings Schedule

October 10, 2019  Winter 2020  Spring 2020
Charlotte Area  Raleigh Area  Asheville Area

Thank you for GROWing with us in 2019!
2019 Seminar, Institute, & School Registration Form

NC AWWA-WEA
2841 Plaza Place, Suite 130 Raleigh, NC 27612
Phone: 919-784-9030   Fax: 919-784-9032   www.ncsafewater.org

Instructions
Before registering, please take time to completely review the General Registration Information on pages 15-16 as well as the section of this catalog related to the event for which you are registering.

To submit a registration by fax or mail complete all requested information on BOTH sides of this form and mail or fax to the address or fax number provided above. Form and payment must be submitted together. Faxed registrations must be paid by credit card. Online registration is available for most schools, institutes, and seminars at www.ncsafewater.org. Credit card payment is required for online registration.

If you are registering for the Maintenance Technologist class or exam you must also complete the appropriate exam application available in this catalog. Once all documentation is received, please allow up to 2 weeks for the application to be processed.

Personal Information
Full Name: ____________________________
Preferred First Name (for name tag): ____________________________
Last 4 Digits of SS #: ________________  Year of Birth: __________________
Number of Years in the Water/Wastewater Industry?

☐ Less than 1  ☐ 1 - 5  ☐ 6 - 10  ☐ 11 - 20  ☐ 21 - 30  ☐ 30+

Employer Information
Employer: ________________________________
Which of the Following BEST Describes Your Employer?
☐ Consulting/Contracting Firm  ☐ Educational
☐ Government Agency  ☐ Manufacturer/Distributor
☐ Research/Analytical Lab  ☐ Retired
☐ Student  ☐ Unemployed
☐ Utility  ☐ Other _____________________

Contact Information
Mailing Address (☐ Home  ☐ Work):
City: ______________________ State: _____ Zip Code: ____________
County of Residence: ______________________
Phone: ______________________ Fax: ____________
Email: ______________________

Emergency Contact Information
Name: ____________________________
Relationship: ____________________________
Phone: ____________________________

License/Certification Numbers
NC Wastewater Certification # (NCWPCSOCC): ____________________________
NC Water Treatment Operator ID # (NCWTFOCB): ____________________________
NC Professional Engineers #: ____________________________
NC AWWA-WEA Voluntary Maintenance Tech. Certification: Class: ____________________________ Certification #: ____________

Membership Numbers
Organizational Member Employees:
American Water Works Association (AWWA): ____________________________
Water Environment Federation (WEF): ____________________________
NC State Level Association Membership (SLAM): ____________________________

Receipt/Confirmation
Confirmations are EMAILED to the registrant. Confirmations will only be mailed to the registrant when an email address is not provided. If you are registering for an event and do not receive confirmation of your registration, contact the NC AWWA-WEA office BEFORE the event to confirm your registration. Refunds and switches will NOT be granted to attendees who do not attend an event because they did not receive confirmation of their registration.

It is the responsibility of the person receiving the receipt/confirmation to forward as necessary. Duplicate copies of receipts may be printed from within your profile at www.ncsafewater.org. If you need the NC AWWA-WEA office to print a duplicate receipt, it may take up to five business days to process. A form for requesting a duplicate receipt may be obtained by visiting www.ncsafewater.org.

Privacy Release
As of January 2015, due to privacy issues, registration/membership information can no longer be provided via phone, email, or mail to anyone other than the participant without prior consent in writing. To provide prior consent to share information in your profile, you may choose one of the following methods:
- Log into your profile on www.ncsafewater.org and update the fields referencing Profile Access.
- Complete the fields below and we will place the info in your profile.

Once you approve sharing of your information with the person named below, that person will have access to all information in your record. You may revoke or change this consent at any time in writing by emailing admin@ncsafewater.org.

Name of person: ____________________________
Phone: ____________________________   Email: ____________________________

I authorize that my information may be shared with the person named above. I understand that it is my responsibility to revoke or change this authorization as necessary.

Print Name: ____________________________
Signature: ____________________________

Payment
☐ Cash  ☐ Check/Money Order
☐ Credit Card (☐ MasterCard  ☐ Visa  ☐ American Express)
Credit Card #: __________________________________________
Exp. Date: ______________________  3-4 digit code: ______________________
Cardholder Name: ____________________________
Billing Address: At what address do you receive your credit card statement?
City: ______________________ State: _____ Zip Code: ____________
Cardholder Phone: ____________________________
Cardholder Signature: ____________________________

I AUTHORIZE NC AWWA-WEA TO CHARGE $___________ TO THE CREDIT CARD NUMBER LISTED ABOVE.
## Coastal Collection & Distribution School
**September 30-October 4, 2019, Morehead City, NC**

Please CHECK the event for which you are registering and CIRCLE the correct registration fee.

<table>
<thead>
<tr>
<th></th>
<th>Banquet Included</th>
<th>Class Days</th>
<th>Early Registration (NOW - 9/6/19)</th>
<th>Late Registration (9/7 - 9/20/19)</th>
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<td>Member</td>
<td>Emp. of Utility Member</td>
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<td>1. Backflow/ Cross Connection (includes Manual)</td>
<td>Yes</td>
<td>Mon-Fri</td>
<td>$275</td>
<td>$300</td>
</tr>
<tr>
<td>2. Shoring</td>
<td>No</td>
<td>Tuesday</td>
<td>$115</td>
<td>$150</td>
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<tr>
<td>Collections:</td>
<td>Yes</td>
<td>Weds-Fri</td>
<td>$215</td>
<td>$250</td>
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<tr>
<td>Distribution:</td>
<td>Yes</td>
<td>Weds-Fri</td>
<td>$215</td>
<td>$250</td>
</tr>
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## The Academy for Water Professional Development

Please CHECK the event for which you are registering and CIRCLE the correct registration fee.

<table>
<thead>
<tr>
<th></th>
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<th>Registration (NOW - 9/20/19)</th>
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<tr>
<td></td>
<td></td>
<td>Member</td>
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<tr>
<td>1. Basic Utility Safety and Field Operations Safety Awareness</td>
<td>September 30, 2019 (During CD School)</td>
<td>Morehead City, NC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$65</td>
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<tr>
<td>2. Foundations of Leadership: Customer Service</td>
<td>September 30, 2019 (During CD School)</td>
<td>Morehead City, NC</td>
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<tr>
<td></td>
<td></td>
<td>$65</td>
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## Seminars and Institutes

Please CHECK the event for which you are registering and CIRCLE the correct registration fee.

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<tr>
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<th>Emp. of Utility Member</th>
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<th>Member</th>
<th>Emp. of Utility Member</th>
<th>Non-Member</th>
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<tr>
<td>1. Emerging Technologies in Wastewater - Building a Circular Economy Seminar</td>
<td>August 21, 2019</td>
<td>Raleigh, NC</td>
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<td>$140</td>
<td>$180</td>
<td>$150</td>
<td>$185</td>
<td>$225</td>
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<td>Early Registration (NOW - 7/26/19)</td>
<td>Late Registration (7/27 - 8/9/19)</td>
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<tr>
<td>2. Charlotte Institute (Option 1)</td>
<td>September 10, 2019</td>
<td>Charlotte, NC</td>
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<tr>
<td></td>
<td></td>
<td>$105</td>
<td>$140</td>
<td>$180</td>
<td>$150</td>
<td>$185</td>
<td>$225</td>
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<td></td>
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<td>Late Registration (8/10 - 8/24/19)</td>
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<td>3. Charlotte Institute (Option 2)</td>
<td>November 20, 2019</td>
<td>Charlotte, NC</td>
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<td>$150</td>
<td>$185</td>
<td>$335</td>
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<tr>
<td></td>
<td></td>
<td>Early Registration (NOW - 10/18/19)</td>
<td>Late Registration (10/19 - 11/1/19)</td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>
2019 Advanced Book Purchase Form
NC AWWA-WEA
2841 Plaza Place, Suite 130 Raleigh, NC 27612
Phone: 919-784-9030   Fax: 919-784-9032   Website: www.ncsafewater.org

Book Order Policies & Procedures
As of January 1, 2013, NC AWWA-WEA is no longer fulfilling book orders by shipment. Instead, we are offering school attendees the ability to purchase their books in advance of these events and pick them up on-site.

Depending upon inventory availability there may be a very limited number of books available for on-site purchase at schools. Once an item is sold out on-site, you should visit our website for a list of book vendors.

Book purchases are nonrefundable.

If you prefer to order the recommended books and receive them before the beginning of an event, a list of books with their ISBN numbers and potential vendors is available at www.ncsafewater.org/Bookstore.

Book Order Instructions
Complete BOTH sides of this form and mail or fax to the address or fax number provided above. Orders submitted by fax must be paid with a credit card.

Contact Information
This is the person to whom receipt will be sent and will be contacted if there are any questions about the order.

Full Name: __________________________________________________________
Employer: ___________________________________________________________
Street Address: _______________________________________________________
____________________________________________________________________
City: __________________ State: ______ Zip Code: __________
Phone: __________________ Fax: __________________________
Email: _______________________________________________________________

Membership Numbers
For an order to qualify for the Member Rate the contact person listed above must be an individual member of AWWA, WEF or NC SLAM, OR the organization that employs the contact person must be an organizational member of AWWA or WEF. Membership numbers must be listed below and will be verified before an order is processed.

American Water Works Association (AWWA): ____________________________
Water Environment Federation (WEF): ________________________________
NC State Level Association Membership (SLAM): _______________________

Privacy Release
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1. Log into your profile on www.ncsafewater.org and update the fields referencing Profile Access.
2. Complete the fields below and we will place the information in your profile.

Once you approve sharing of your information with the person named below, that person will have access to all information in your record. You may revoke or change this consent at any time in writing by emailing admin@ncsafewater.org.

Name of person: _____________________________________________________
Phone: __________________ Email: _________________________________
I authorize that my information may be shared with the person named above. I understand that it is my responsibility to revoke or change this authorization as necessary.

Print Name: _________________________________________________________
Signature: ___________________________________________________________________

Payment Method
Invoices and credit card receipts (if applicable) are sent to the person placing the order. It is that person’s responsibility to forward the credit card receipt to the cardholder if necessary.

Select Payment Method
☐ Cash      ☐ Check/Money Order
☐ Credit Card (☐ MasterCard/Visa ☐ American Express)
Credit Card #: _________________________________________________________
Exp. Date: ___________ 3-4 digit code: __________
Cardholder Name: _______________________________________________________
Billing Address:
At what address do you receive your credit card statement
City: __________________ State: ______ Zip Code: __________
Cardholder Phone: __________________
Cardholder Signature: __________________________________________________
I AUTHORIZE NC AWWA-WEA TO CHARGE $ ________________ TO THE CREDIT CARD NUMBER LISTED ABOVE.

Pick Up Information
Please complete the information below. Once pickup times and locations for each event have been finalized, the contact person will be notified of the specific details. Person picking up items should bring a copy of the receipt with them for verification of purchase.

Person picking up books: _______________________________________________
Event at which items will be picked up: ____________________________________

It is highly recommended that during a school, students have access to the books listed on the reverse side that correspond to the class that they are taking.
<table>
<thead>
<tr>
<th>Related Class</th>
<th>Book Title</th>
<th>Member Price</th>
<th>Non-Member Price</th>
<th>Quantity</th>
<th>Item Subtotal</th>
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<tr>
<td></td>
<td>8th edition is currently available. The Needs to Know is based on the 6th edition.</td>
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<tr>
<td></td>
<td>Wastewater Collection Operation &amp; Maintenance - Vol. 2 (Sacramento Manual)</td>
<td>$60</td>
<td>$75</td>
<td>X</td>
<td>$</td>
</tr>
<tr>
<td>NC Collections System Operator’s Needs to Know</td>
<td>Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
<td></td>
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<td>Physical/Chemical</td>
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<td>$60</td>
<td>$75</td>
<td>X</td>
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<td></td>
<td>Industrial Waste Treatment, Vol. 2 (Sacramento Manual) **</td>
<td>$60</td>
<td>$75</td>
<td>X</td>
<td>$</td>
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<tr>
<td></td>
<td>Pretreatment Facility Inspection (Sacramento Manual)</td>
<td>$60</td>
<td>$75</td>
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<tr>
<td></td>
<td>Treatment of Metal Wastestreams (Sacramento Manual)</td>
<td>$65</td>
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<td></td>
<td>Physical/Chemical Wastewater Operator’s Needs to Know</td>
<td>Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
<td></td>
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<tr>
<td>Distribution C, B, &amp; A</td>
<td>WSO Water Distribution - Grades 1 &amp; 2 (1st edition)</td>
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<td>$110</td>
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<td></td>
<td>WSO Water Distribution - Grades 3 &amp; 4 (1st edition)</td>
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<td>Meter Technician</td>
<td>Water Meter - Selection, Installation, Testing, &amp; Maintenance - AWWA M6 Manual</td>
<td>$135</td>
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<tr>
<td>Backflow/Cross Connection</td>
<td>Backflow Prevention: Theory and Practice</td>
<td>Kendall Hunt - <a href="http://www.kendallhunt.com">www.kendallhunt.com</a> (800) 228-0810</td>
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<tr>
<td>Biological Wastewater I</td>
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<tr>
<td>Biological Wastewater I &amp; II</td>
<td>NC Biological Wastewater Treatment System Operators Training Course Standards - Grades I &amp; II (Also know as Grade I &amp; Needs to Know)</td>
<td>$60</td>
<td>$75</td>
<td>X</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
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<tr>
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<td>Operation of Wastewater Treatment Plants - Vol. 1 (Sacramento Manual)</td>
<td>$60</td>
<td>$75</td>
<td>X</td>
<td>$</td>
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<tr>
<td></td>
<td>Operation of Wastewater Treatment Plants - Vol. 2 (Sacramento Manual) **</td>
<td>$60</td>
<td>$75</td>
<td>X</td>
<td>$</td>
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<tr>
<td></td>
<td>Advanced Waste Treatment (Sacramento Manual)</td>
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<td>$75</td>
<td>X</td>
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<tr>
<td></td>
<td>Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
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<tr>
<td>Biological Wastewater III &amp; IV</td>
<td>NC Biological Wastewater Treatment System Operators Training Course Standards - Grades III &amp; IV (Also know as Grade III &amp; Needs to Know)</td>
<td>$60</td>
<td>$75</td>
<td>X</td>
<td>$</td>
</tr>
<tr>
<td></td>
<td>Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
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<tr>
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<td>Industrial Maintenance, 3rd Edition</td>
<td>$115</td>
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</tr>
</tbody>
</table>

ORDER TOTAL $ ____________________
NC State Level Association (NC SLAM) 2019 Application & Renewal Form

NC AWWA-WEA
2841 Plaza Place, Suite 130, Raleigh, NC 27612
Phone: 919-784-9030  Fax: 919-784-9032  Website: www.ncsafewater.org

NC AWWA-WEA Membership offers you Connection, Education, & Leadership;
American Water Works Association (AWWA)  Denver, CO  800.926.7337  www.awwa.org
Contact this national organization for more information regarding cost and how to join.
Water Environment Federation (WEF)  Alexandria, VA  800.666.0206  www.wef.org
Contact this national organization for more information regarding cost and how to join.

NC AWWA-WEA
Complete the form below to join NC AWWA-WEA as a state-level (NC SLAM) member. NC SLAM members receive no benefits from AWWA or WEF.

Instructions
To submit a NC SLAM application by fax or mail complete all requested information on this form and mail or fax to the NC AWWA-WEA address or fax number provided above. Form and payment must be submitted together. Faxed applications must be paid by credit card. Applications and renewals may also be submitted online at www.ncsafewater.org. Online applications must be paid by credit card.

Please check ONE of the following options.
- New Membership ($75 for 1 year)
- Renewal Membership ($75 for 1 year) NC SLAM #: _________
  - All new memberships and renewals are for 1 year (12 months).
  - SLAM memberships may not be shared or transferred.
  - Renewal reminders will be emailed to the member’s email address 1 month before the membership expires.

Personal Information
Full Name: ________________________________________________________
Preferred First Name: ___________________________ Year of Birth: ___________
Last 4 Digits of SS #: ___________ How Many Years Have You Worked in the Water/Wastewater Industry?
- Less than 1
- 1 - 5
- 6 - 10
- 11 - 20
- 21 - 30
- 30+

Employer Information
Employer: ___________________________________________________________
Which of the Following BEST Describes Your Employer?
- Consulting/Contracting Firm
- Educational
- Government Agency
- Manufacturer/Distributor
- Research/Analytical Lab
- Retired
- Student
- Unemployed
- Utility
- Other

Contact Information
Mailing Address (☑ Home  ☐ Work):
_______________________________________________________________
City: ____________________ State: _______ Zip Code: ________________
County of Residence: ____________________________________________
Phone: __________________ Fax: __________________
Email: ____________________________________________

License/Certification Numbers
NC Wastewater Certification # (NCWPCSOC): __________________
NC Water Treatment Operator ID # (NCWTFOCB): ________________
NC Professional Engineers #: ____________________________________
NC AWWA-WEA Voluntary Maintenance Tech. Certification:
Class: ______________ Certification #: ________________

Payment
☐ Cash  ☐ Check/Money Order  ☐ Credit Card (☐ MasterCard/Visa  ☐ American Express)

Credit Card #:
Exp. Date: ___________ 3-4 digit code: ________________
Cardholder Name: ____________________________
Billing Address: At what address do you receive your credit card statement
______________________________________________________________
City: _______________ State: ______ Zip Code: ________________
Cardholder Phone: __________________
Cardholder Signature: __________________________________________

I AUTHORIZE NC AWWA-WEA TO CHARGE $ ______________
TO THE CREDIT CARD NUMBER LISTED ABOVE.
Dues are not deductible as charitable contributions for income tax purposes.

2019 Application & Renewal Form

There are three ways to join. Review the options and select the one that best fits you.
Ready to take the next step in your career and become a member of NC AWWA-WEA? Visit[nctewater.org](http://ncsaewater.org) or see the NC SLAM membership application on page 30!

**NC AWWA-WEA Membership**

**CONNECTION** to a variety of industry professionals and resources to answer your questions.  
**EDUCATION** to stay informed and support your professional certification or licensing.  
**LEADERSHIP** opportunities to develop skills, advance your career, and shape NC AWWA-WEA.