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 spaces are limited. Registrations are accepted on a first come, first serve 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.

WHAT’S NEW?

In an effort to make it easier to know which events are approved for what 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.

OUR VISION

(What we strive to achieve)
NC AWWA-WEA: THE leading educational resource for safe water in NC

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.

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, GROW meetings offer great food, and networking at an affordable cost.

All meetings are open and everyone, from any part of North Carolina is invited to attend.

2018 GROW Meetings

February 15, 2018
Raleigh Area

June 21, 2018
Piedmont Triad Area

September 13, 2018
Charlotte Area

March 25, 2018
Asheville Area

August 16, 2018
Fayetteville Area

Be the first to sponsor these events!

We are looking for companies to sponsor these events for $250 per event. Sponsors will be recognized online and at the event. If you are interested in becoming a sponsor visit our Sponsor Index online to learn more.
The Academy for Water Professional Development is an NC AWWA-WEA initiative designed to advance the careers of water professionals. Developed with input from North Carolina utility managers, The Academy includes multi-level technical and leadership development training courses, with emphasis on the most desired skill-set needed by upper-level employees. The Academy's structured and specialized training and certification program demonstrate competency at defined levels, beyond required state certifications, through the completion of courses and passing of comprehensive exams.

With the variety of specialization areas within water and wastewater, the Academy for Water Professional Development offers professionals the opportunity to certify their competence in specific areas. Each area of specialization is referred to within the Academy system as a “Ladder”. The analogy of a ladder is used, because each specialization area also offers multiple levels at which an individual may be certified. For each level or rung on a ladder, applicants must complete the required prerequisites, courses, and final certification exam. Once a level has been achieved, continuing education requirements must be met to maintain that level of certification. Currently, courses are being offered for the Collection and Distribution ladders, with the launch of the Maintenance Technologist ladder expected in 2018. Future ladders will include Water Treatment, Wastewater Treatment, and Customer Service.

Benefits for Employees

» Develop leadership skills to supplement your technical knowledge
» Training for future advancement
» Gain demonstrated and transportable skills
» Approach your job in the water profession as a career, not just a paycheck

Benefits for Employers

» Standardized training to increase communication, reduce error, and improve productivity
» Reduce turnover by ensuring qualified and satisfied employees
» Increase pool of qualified candidates, particularly at supervisory levels, and prepare for the retirement of individuals in key management positions
» Receive demonstrated ROI as employees move through a certification track
» Meet future needs for a qualified and professional workforce

The Academy Structure

» The Academy offers training in several segments of the water profession. Each segment is represented in The Academy as a separate Ladder.
» Each Ladder typically has four certification levels: Apprentice, Journeyman 1, Journeyman 2, and Master.
» Certification at each level includes two required components; 1.) Completion of all required courses; 2.) Passing a comprehensive exam to validate skills.
» Courses reinforce knowledge and offer CEUs, and will be delivered through a variety of methods including classroom, hands-on, and web-based.
» Certification will come from NC AWWA-WEA. The Academy is not currently affiliated with any college or outside degree program.
» Once a certification level has been obtained, continuing education hours will be required to maintain the certification.

The time frame for completing each level will vary depending on the number of hours the participant can devote to the training.

The Academy & State Certification

» The Academy program is not required by the state of North Carolina.
» Academy classes may offer CEU credits that may meet state certification renewal requirements.
» NC AWWA-WEA has sought input into The Academy curriculum structure from North Carolina certification boards.
» The Academy Ladders and certification levels align roughly with state certification requirements, and course curriculum is based on state certification Needs to Know criteria.

Enrollment Requirements

» Completion of The Academy application form and payment of $25 application fee.
» Meet prerequisites of each level. Prerequisites vary by Ladder and level.
» Credit for previous training courses and/or work experience will be determined on a case-by-case basis. Participants will be given an opportunity to submit these items for review with their application.

Current Ladders

» Distribution System Technician
» Collection System Technician
» Water Treatment *IN DEVELOPMENT*
» Wastewater Treatment *IN DEVELOPMENT*
» Customer Service *IN DEVELOPMENT*
» Maintenance Technologist *IN DEVELOPMENT*

Potential Future Ladders

» Information Technology
» Finance & Management
» Construction
To receive certification through the Academy, applicants must...

- **Meet prerequisites**
- **Complete application and pay $25 application fee**
- **Complete courses for certification level**
- **Complete exam for Academy certification level**

Application and prerequisites are available on pages 6-16.

**Test Drive The Academy**

Not ready to commit to enrolling in the Academy?

Registration for Academy courses is open to everyone. As an added bonus, most Academy courses also offer continuing education credits.

**Gain new skills. Earn CEUs. Advance your career.**

Want to stand out in the crowd? The Academy can help.

2018 class schedule available online.
Prerequisites

___ Complete The Academy for Water Professional Development Application, and receive acceptance into the Academy.

Applying to the Academy program early will allow for easier tracking of progress and course completion. You may begin taking courses before your Academy application has been submitted or accepted.

___ FOR THE COLLECTIONS LADDER: Currently hold Collections 1 certification issued by the NCWPCSOCC.

Note: You may begin taking classes to apply towards your Level 1, Apprentice certification before you pass the NCWPCSOCC Collections 1 exam.

___ FOR THE DISTRIBUTION LADDER: Currently hold D Distribution certification issued by the NCWTFOCB.

Note: You may begin taking classes to apply towards your Level 1, Apprentice certification before you pass the NCWTFOCB D Distribution exam. C Distribution can be substituted for D Distribution when the D Distribution level was skipped.

Course Work (24.0 total hours)

More detailed course descriptions, and current course schedule are available later in this document, and online at www.ncsafewater.org. Each course will conclude with an exam. Individuals are NOT required to pass individual course exams to receive credit for the course. Course exams serve as preparation for the end-of-level exam that must be passed to receive the next level of certification.

___ Basic Utility Safety and Field Operations Safety Awareness (3.0 hours)

The Basic Utility Safety and Field Operations Safety Awareness Course 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. This course encompasses general safety concepts which newly assigned operators must understand in order to safely and effectively work within water and wastewater systems. In addition, this course addresses the most common associated hazards found within the industry. The course allows for utility operators to discuss and learn current safety operational trends including, but not limited to general safety concepts, National Incident Management System, and how Federal and State occupational safety and health regulations help mitigate hazards through regulatory safety practices.

Continuing Education Credit

- 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: CE04101501

- PROFESSIONAL ENGINEERS: This course is approved for 3.0 PDHs.

- MAINTENANCE TECHNOLOGIST: This course is approved for 3.0 contact hours.

Current Course Schedule

TBD
Foundations of Leadership: Customer Service (3.0 hours)

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 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 Credit

- **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.

Current Course Schedule

- **Monday, March 26, 2018**
  - Held in conjunction with Spring Symposium in Asheville, NC
- **Early Registration Ends**: February 24, 2018
- **No Registrations Accepted After**: March 3, 2018

Foundations of Leadership: Effective Self-Management (3.0 hours)

Self-management skills are personal attributes that enhance interpersonal interactions, job performance, and career prospects at any level. In the workplace, these “people” skills are considered a complement to occupational skills and technical knowledge. These skills are more critical than ever as organizations struggle to find meaningful ways to be more productive and efficient. To be a truly valuable employee, it's just not enough to be highly trained in technical areas without developing interpersonal and relationship-building skills that help people to communicate and collaborate effectively. The Foundations of Leadership: Effective Self-Management Course is designed to teach the fundamentals of leadership and effective workplace conduct. The course will include discussion of professionalism/ethics, integrity, dependability, and teamwork. The course provides utility personnel with tools to enhance workplace relationships, improve collaboration, and assess self-development opportunities.

Continuing Education Credit

- **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 for continuing education. WPCSOCC Course ID: CE04101504
- **PROFESSIONAL ENGINEERS**: This course is approved for 3.0 PDHs.
- **MAINTENANCE TECHNOLOGIST**: This course is approved for 3.0 contact hours.

Current Course Schedule

- **TBD**

Support System Awareness for Collection and Distribution Operations (3.0 hours)

This course is designed to provide the individual with a general knowledge of support systems used in wastewater collection and water distribution systems. The course will include an introduction to Computerized Maintenance Management Systems (CMMS), Supervisory Control and Data Acquisition Systems (SCADA), Geographical Information Systems (GIS) and Closed Circuit Television (CCTV). Upon completion of the course, the individual should be familiar with the functions, basic principals, and benefits of CMMS, SCADA, GIS, and CCTV systems. In addition, the individual should have a basic understanding of the benefits of implementing these support systems in the operation of wastewater collection and water distribution systems and the management of their associated assets.

Continuing Education Credit

- **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: CE04101503
- **PROFESSIONAL ENGINEERS**: This course is approved for 3.0 PDHs.
- **MAINTENANCE TECHNOLOGIST**: This course is approved for 3.0 contact hours.

Current Course Schedule

- **TBD**
Utilities Construction Skills - Level 1 (6.0 hours)

Introduction to construction and repair techniques for water and sewer assets. Course includes materials of construction and technology applications that help a technician understand the repair options and the impacts of each.

Continuing Education Credit

- **WATER TREATMENT FACILITY OPERATORS, DISTRIBUTION OPERATORS, CROSS CONNECTION/BACKFLOW OPERATORS**: This course is approved for 6.0 contact hours by the NCWTFOCB. Course ID: 164772

- **WASTEWATER OPERATORS**: This course is approved by the WPCSOCC for 6.0 contact hours for continuing education. WPCSOCC Course ID: CE02121602

- **PROFESSIONAL ENGINEERS**: This course is approved for 6.0 PDH's.

- **MAINTENANCE TECHNOLOGIST**: This course is approved for 6.0 contact hours.

Electives - Select 2

A list of suggested training providers will be listed at www.ncsafewater.org. Registrants must provide proof of completion.

- **Microsoft Office 101** (3.0 hours)
- **Public Speaking 1** (3.0 hours)
- **NIMS ICS 100** (3.0 hours)
- **NIMS ICS 700** (3.0 hours)

Certification Exam

Once all prerequisites are met and course work is completed, you must register to take the Collections Ladder, Level 1, Apprentice comprehensive exam, or the Distribution Ladder, Level 1, Apprentice comprehensive exam. Upon passing the exam, you will be considered certified at that level. In order to maintain the certification, you must meet continuing education requirements.

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Career stalled? Want to take it to the next level? The Academy can help.
Prerequisites

___ FOR THE COLLECTIONS LADDER: Complete The Academy for Water Professional Development, Collections Ladder, Level 1, Apprentice level, and be in good standing with that certification.

___ FOR THE COLLECTIONS LADDER: Currently hold Collections 2 certification issued by the NCWPCSOCC.
   Note: You may begin taking classes to apply towards your Level 2, Journeyman 1 certification before you pass the NCWPCSOCC Collections 2 exam.

___ FOR THE DISTRIBUTION LADDER: Complete The Academy for Water Professional Development, Distribution Ladder, Level 1, Apprentice level, and be in good standing with that certification.

___ FOR THE DISTRIBUTION LADDER: Currently hold C Distribution certification issued by the NCWTFOCB.
   Note: You may begin taking classes to apply towards your Level 2, Journeyman 1 certification before you pass the NCWTFOCB C Distribution exam.

Course Work (33.0 total hours)

More detailed course descriptions, and current course schedule are available later in this document, and online at www.ncsafewater.org. Each course will conclude with an exam. Individuals are NOT required to pass individual course exams to receive credit for the course. Course exams serve as preparation for the end-of-level exam that must be passed to receive the next level of certification.

___ Conflict Management Skills - Verbal Judo (2.0 hours)
   Topics will include conflict avoidance techniques for de-escalating conflict situations.

___ Customer Service 2 (2.0 hours)
   Customer Service skills reflect on the individual employee as well as the organization represented by that employee. The nature of the interactions between Utility employees and their customers defines the success or failure of the job-related interaction and the perception of the Utility by that customer. Customer Service skills can be learned and improved. This course is designed to highlight important skills and suggest techniques for interacting with customers. Skills will be enhanced through role-play exercises and open discussions. The class is designed to present real-life situations and work through them to optimize the outcomes.

Continuing Education Credit

- WATER TREATMENT FACILITY OPERATORS, DISTRIBUTION OPERATORS, CROSS CONNECTION/BACKFLOW OPERATORS: This course is approved for 2.0 contact hours by the NCWTFOCB. Course ID: 176276
- WASTEWATER OPERATORS: This course is approved by the WPCSOCC for 2.0 contact hours for continuing education. WPCSOCC Course ID: Pending
- PROFESSIONAL ENGINEERS: This course is approved for 2.0 PDH's.
- MAINTENANCE TECHNOLOGIST: This course is approved for 2.0 contact hours.

Current Course Schedule TBD
Supervision & Leadership Skills 1 (6.0 hours)
This course will provide basic supervision skills geared towards all new supervisors. Topics will include preparing and delivering performance appraisals, delivering disciplinary actions, and communications skills for supervisors.

Environmental Awareness (2.0 hours)
Constructing, maintaining, and repairing collection and distribution infrastructure requires technical skills and a knowledge of rules and regulations. The regulations regarding work in wetlands, streams, and stream buffer areas are specialized to protect those fragile ecosystems. This class will cover the regulations that apply to these locations, and help the student determine the steps to proceed with their task. Requirements for permits, maximum areas disturbed, permanent vs temporary incursions, and restoration will be discussed. A field component will be included to demonstrate some of the material presented in the classroom.

Continuing Education Credit
• WATER TREATMENT FACILITY OPERATORS, DISTRIBUTION OPERATORS, CROSS CONNECTION/BACKFLOW OPERATORS: This course is approved for 2.0 contact hours by the NCWTFOCB. Course ID: 176277
• WASTEWATER OPERATORS: This course is approved by the WPCSOCC for 2.0 contact hours for continuing education. WPCSOCC Course ID: Pending
• PROFESSIONAL ENGINEERS: This course is approved for 2.0 PDH’s.
• MAINTENANCE TECHNOLOGIST: This course is approved for 2.0 contact hours.

NIMS ICS Tabletop Exercise (3.0 hours)
Tabletop exercise to practice and refine familiarity with NIMS / ICS in a simulated disaster response at a water / wastewater utility. The exercise will be preceded by a brief review of ICS and followed by an exercise hot-wash, a test, and a wrap-up discussion. Prerequisite NIMS ICS 100 or NIMS ICS 700.

Supervision & Leadership Skills 1 (6.0 hours)
This course will provide basic supervision skills geared towards all new supervisors. Topics will include preparing and delivering performance appraisals, delivering disciplinary actions, and communications skills for supervisors.

Work Zone Traffic Control for Supervisors (6.0 hours)
This course will cover the critical guidelines and regulations required for the safe implementation of work zone temporary traffic control. Any utility operation that results in the potential exposure of workers to traffic and/or results in the disruption of routine traffic flow requires work zone temporary traffic control. Planning and implementation of the work zone set-up requires knowledge of the regulations and practices of State and Federal agencies. This course will use resources, classroom instruction, and hands-on exercises to teach the regulations, methods, and practices of planning and implementing work zone temporary traffic control. This course will utilize NC Department of Transportation (NC DOT) and Manual of Uniform Traffic Control (MUTC) materials. This course does not provide NC DOT certification. Who should attend: Persons who are or may become responsible for the planning and design of temporary traffic control measures for utility work zones.

Continuing Education Credit
• WATER TREATMENT FACILITY OPERATORS, DISTRIBUTION OPERATORS, CROSS CONNECTION/BACKFLOW OPERATORS: This course is approved for 6.0 contact hours by the NCWTFOCB. Course ID: 176057
• WASTEWATER OPERATORS: This course is approved by the WPCSOCC for 6.0 contact hours for continuing education. WPCSOCC Course ID: CE05221703
• PROFESSIONAL ENGINEERS: This course is approved for 6.0 PDH’s.
• MAINTENANCE TECHNOLOGIST: This course is approved for 6.0 contact hours

Current Course Schedule
Monday, March 26, 2018
Held in conjunction with Spring Symposium in Asheville, NC
Early Registration Ends: February 24, 2018
No Registrations Accepted After: March 3, 2018
Refund Deadline: March 3, 2018

Current Course Schedule
Monday, March 12, 2018
Held in conjunction with Coastal Collection and Distribution School in Morehead City, NC
Early Registration Ends: February 24, 2018
No Registrations Accepted After: March 3, 2018
Refund Deadline: March 3, 2018
Utilities Construction Skills - Level 2 (6.0 hours)
Advanced instruction regarding construction and repair techniques for water and sewer assets. Course includes materials of construction and technology applications that help a technician understand the repair options and the impacts of each.

Electives - Select 2 courses NOT TAKEN at the Level 1, Apprentice level
A list of suggested training providers will be listed at www.ncsafeewater.org. Registrants must provide proof of completion.

- Microsoft Office 101 (3.0 hours)
- NIMS ICS 700 (3.0 hours)
- NIMS ICS 100 (3.0 hours)
- Public Speaking 1 (3.0 hours)

Certification Exam
Once all prerequisites are met and course work is completed, you must register to take the Collections Ladder, Level 2, Journeyman 1 comprehensive exam, or the Distribution Ladder, Level 2, Journeyman 1 comprehensive exam. Upon passing the exam, you will be considered certified at that level. In order to maintain the certification, you must meet continuing education requirements.

“The Academy provides a well-deserved professional designation for utility staff and prepares them for career advancement.”

Mick Noland, PE
Chief Operations Officer
Water Resources Division,
Public Works Commission
of the City of Fayetteville
Prerequisites

__ FOR THE COLLECTIONS LADDER: Complete The Academy for Water Professional Development, Collections Ladder, Level 2, Journeyman 1 level, and be in good standing with that certification.

__ FOR THE COLLECTIONS LADDER: Currently hold Collections 3 certification issued by the NCWPCSOCC.
Note: You may begin taking classes to apply towards your Level 3, Journeyman 2 certification before you pass the NCWPCSOCC Collections 3 exam.

__ FOR THE DISTRIBUTION LADDER: Complete The Academy for Water Professional Development, Distribution Ladder, Level 2, Journeyman 1 level, and be in good standing with that certification.

__ FOR THE DISTRIBUTION LADDER: Currently hold B Distribution certification issued by the NCWTFOCB.
Note: You may begin taking classes to apply towards your Level 3, Journeyman 2 certification before you pass the NCWTFOCB B Distribution exam.

Course Work (46.0 total hours)

More detailed course descriptions, and current course schedule are available later in this document, and online at www.ncsafewater.org. Each course will conclude with an exam. Individuals are NOT required to pass individual course exams to receive credit for the course. Course exams serve as preparation for the end-of-level exam that must be passed to receive the next level of certification.

__ Business Writing (2.0 hours)
This course provides basic instruction related to generating professional correspondence such as memos, letters, etc.

__ CMMS Systems (3.0 hours)
This course provides an overview of how CMMS work order management systems can be used to manage work and collect operation data to measure productivity, efficiency, and provide asset management data collection.

__ Construction Inspection Processes (6.0 hours)
This course provides instruction on basic construction inspection techniques, including soil compaction, proper construction techniques, job site restoration, and managing property owner complaints.

__ ISO 14001 and EMS Systems Awareness (3.0 hours)
This course provides an overview of the purpose of, and general requirements of Environmental Management Systems.

__ OSHA 10 Hour Class (Construction) for Supervisors (10.0 hours)
Follows the template for OSHA approved 10 hour curriculum in CFR 1926 standards.

__ Problem Solving and Decision Making (2.0 hours)
Covers basic critical thinking skill sets.

__ Public Speaking 2 (2.0 hours)
Prepares students to make presentations to civic clubs, and other formal type presentations.

__ Supervision & Leadership Skills 2 (6.0 hours)
This course provides instruction on skills related to good interview practices, what can and can't be asked in an interview, how to appraise a prospective employee fairly and legal requirements for appropriate practices for hiring and firing of employees.

__ Trenching and Shoring Competent Person (6.0 hours)
This course provides instruction for supervisors intending to manage crews requiring a competent person for the supervision of trenching jobs.

Electives - Select 2 courses
A list of suggested training providers will be listed at www.ncsafewater.org. Registrants must provide proof of completion.

__ CMMS Systems, Level 2 (3.0 hours)
__ Pipe Condition Assessment Awareness (3.0 hours)
__ Principles of Asset Management (3.0 hours)

Certification Exam

Once all prerequisites are met and course work is completed, you must register to take the Collections Ladder, Level 3, Journeyman 2 comprehensive exam, or the Distribution Ladder, Level 3, Journeyman 2 comprehensive exam. Upon passing the exam, you will be considered certified at that level. In order to maintain the certification, you must meet continuing education requirements.
Collections & Distribution Ladders - Checklist | Level 4: Master

Prerequisites

___ FOR THE COLLECTIONS LADDER: Complete The Academy for Water Professional Development, Collections Ladder, Level 3, Journeyman 2 level, and be in good standing with that certification.

___ FOR THE COLLECTIONS LADDER: Currently hold Collections 4 certification issued by the NCWPCSOCC.  
   Note: You may begin taking classes to apply towards your Level 4, Master certification before you pass the NCWPCSOCC Collections 4 exam.

___ FOR THE DISTRIBUTION LADDER: Complete The Academy for Water Professional Development, Distribution Ladder, Level 3, Journeyman 2 level, and be in good standing with that certification.

___ FOR THE DISTRIBUTION LADDER: Currently hold A Distribution certification issued by the NCWTFOCB.  
   Note: You may begin taking classes to apply towards your Level 4, Master certification before you pass the NCWTFOCB A Distribution exam.

Course Work (30.0 total hours + completion project worth 6.0 hours)

More detailed course descriptions, and current course schedule are available later in this document, and online at www.ncsafewater.org. Each course will conclude with an exam. Individuals are NOT required to pass individual course exams to receive credit for the course. Course exams serve as preparation for the end-of-level exam that must be passed to receive the next level of certification.

___ CMMS Systems (3.0 hours)  
   This course provides an overview of how CMMS work order management systems can be used to manage work and collect operation data to measure productivity, efficiency, and provide asset management data collection.

___ NC Purchasing Laws (3.0 hours)  
   This course provides instruction on how to comply with NC General Statutes regarding procurement and purchasing for local governments and related public agencies.

___ NIMS IMS 800 (6.0 hours)  
   This course provides instruction on how to use and comply with the National Response Framework to support unified communication protocols and responses to emergency situations.

___ Public Speaking 3 (3.0 hours)  
   Managing the press

___ Supervision & Leadership Skills 3 (6.0 hours)  
   This course provides instruction on coaching for improving job performance and further refines interview and communication skills.

___ Writing and Maintaining Safety Policies and SOPs (3.0 hours)  
   This course provides instruction on how to write and review safety policies and SOP's for compliance with all required rules and regulations.

Electives - Select 2 courses  
A list of suggested training providers will be listed at www.ncsafewater.org. Registrants must provide proof of completion.

___ Governmental Budgeting Processes (3.0 hours)

___ ISO 14001 Systems, Intermediate Level (3.0 hours)

___ Planner Scheduler Skills (3.0 hours)

Completion Project (6.0 hours)

This credit requires that the enrollee complete either a research project, present a topic at an approved NC AWWA-WEA event or complete a “service project” geared towards the advancement of their professional education and for the benefit of the industry. A service project would require a written report. A job shadowing project may even be utilized in an effort to make the student understand the big picture of the utility.

Certification Exam

Once all prerequisites are met and course work is completed, you must register to take the Collections Ladder, Level 4, Master comprehensive exam, or the Distribution Ladder, Level 4, Master comprehensive exam. Upon passing the exam, you will be considered certified at that level. In order to maintain the certification, you must meet continuing education requirements.
The Academy for Water Professional Development - Admission Application

NC AWWA-WEA
3725 National Drive, Suite 217, Raleigh, NC 27612
Phone: (919) 784-9030  Fax: (919) 784-9032  Website: www.ncsafewater.org

Program Selection

TRACK:  □ Collections  □ Distribution  
LEVEL:  □ Apprentice  □ Journeyman 1  □ Journeyman 2  □ Master

Have you previously applied for The Academy?  □ Yes - Date  □ No

Application Fee - $25

Select Payment Method:  □ Cash  □ Check/Money Order  □ Credit Card  ( □ MasterCard/Visa  □ American Express)
Credit Card #: ___________________________________________  Exp. Date: ___________________  3-4 digit code: ____________
Billing Address: At what address do you receive your credit card statement.
City: ___________________  State: _______  Zip Code: ___________  Cardholder Phone: ___________________
Cardholder Name: ________________________________________  Cardholder Signature: _______________________

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

Personal Information

Full Name: _______________________________________________  Preferred First Name (for name tag): _______________________
Last 4 Digits of SS #: ___________  Year of Birth: _____________

Membership Numbers

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

Contact Information

Mailing Address  (□ Home  □ Work): ____________________________________________
City: ___________________  State: _______  Zip Code: ___________  County of Residence: ___________________
Phone: ___________________  Fax: ___________________  Email: ___________________

Demographic Information  Federal Law requires us to ask for this information.

Year of Birth: ________  Sex:  □ Male  □ Female  □ Other gender identity  □ Prefer not to answer
Are you of Hispanic, Latino or Spanish origin:  □ Yes  □ No  □ Prefer not to answer
What is your race:  □ White  □ Black/African American  □ American Indian or Alaska Native  □ Asian or Pacific Islander
□ Hispanic  □ Other race  □ Prefer not to answer

Professional Information

Current 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 ___________________

How Many Years Have You Worked in the Water/Wastewater Industry?

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

License/Certification  List all industry-related certifications.

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2018 Education Pipeline, Volume 1, Winter  | Page 14
The Academy - Admission Application

Name (First, M, Last):

____________________________________________________________________________________________________

Personal Statement Attach additional sheets as necessary.

Please provide a brief write up of why you are applying for this program, what you hope to gain from participation, and your career goals.

________________________________________________________________________

Supervisor Recommendation

Completed Recommendation Form must be sent along with application. Form can be found on page 39 or on our website.

Applicant’s Verification Statement

I certify that the information given is correct to the best of my knowledge. I have read the eligibility requirements and I believe that I am eligible for the track and level(s) for which I have applied.

Applicant’s Signature: ___________________________ Date: __________

Application Review - DO NOT WRITE IN THIS SECTION

Staff Use: Rcv’d: __________ Pymt: __________ Sent for Approval: __________ Entered: __________

Review Committee Use:

Applicant is eligible to take the following Ladder and Level:

LADDER:  ☐ Collections  ☐ Distribution  LEVEL:  ☐ Apprentice  ☐ Journeyman 1  ☐ Journeyman 2  ☐ Master

Applicant is NOT eligible to take the following track/level:

LADDER:  ☐ Collections  ☐ Distribution  LEVEL:  ☐ Apprentice  ☐ Journeyman 1  ☐ Journeyman 2  ☐ Master

Reason for Denial: ______________________________________________________________________________________

Reviewer Signature: ___________________________________________ Date: ________________________________
The Academy - Recommendation Form

To be completed by the applicant’s current supervisor or person that has oversight of their industry related skills. The Academy for Water Professional Development is an initiative of NC AWWA-WEA to fill an industry training gap and advance the careers of participants. The program includes multi-year technical and leadership development training courses, which have been developed based on input from industry leaders across North Carolina. While the information you provide below will be a part of the admission process for the program, it will not be the sole determining factor.

Applicant Name: ____________________________________________________________

Job(s) in which you have worked with this applicant?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

What were the job responsibilities of the applicant?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

What about this applicant leads you to believe they would be successful in this program?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Person submitting Recommendation

Name: ________________________________  Job Title: ________________________________

Company: ________________________________

Phone Number: __________________________  Email: ________________________________

Signature: ________________________________  Date: ________________________________
Seminars and Institutes

What Are Seminars and Institutes?
To keep up with the changing needs of our members and their employers, in 2015 we restructured our training programs. 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 work 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 2018 please contact Stephanie Holloman at (919) 256-5628 or sholloman@wkrdickson.com

Schedule a Seminar
If you are interested scheduling a seminar through an NC AWWA-WEA Committee please contact Stephanie Holloman at (919) 256-5628 or sholloman@wkrdickson.com.

SEMINAR:
Asset Management
April 17, 2018
The Conference Center at Guilford Technical Community College
7908 Leabourne Rd. Colfax, NC

Deadlines
Preregistration ends and the Late Registration fee applies after 2/16/18. No registrations will be accepted after 4/3/18. The refund deadline is 4/3/18

Tentative Agenda
7:30-8:30  Registration
8:30-8:45  Welcome and Announcements - Various
9:45-10:00  Break and Networking
10:00-11:00 The Steps of Implementation Jana Stewart & Jay Guffey, City of Greensboro
11:00-12:00 Managing AM Data Shawn Coffman, Charlotte Water
12:00-1:00  Lunch
     Brief: Funding & the State's Role in Asset Management Kim Colson, NCDEQ Division of Water Infrastructure
     Brief: The State of Asset Management & Capital Planning in NC Shadi Eskaf, UNC Environmental Finance
1:00-2:00  Efficiently Implementing & Maintaining an AM System Mary Darr, OWASA
2:00-3:00  Using AM to Prioritize Capital Project Planning Brian Houston, LaBella Associates
3:00-3:15  Break and Networking
3:15-4:15  How to Sell AM to Decision Makers Amy Ratliff, City of Oxford

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 NCWITFOCB. Course ID:176456
- WASTEWATER OPERATORS: This seminar is approved by the WPCSOCC for 6.0 contact hours for continuing education. WPCSOCC Course ID:CE11061503
- 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
Brian Houston at bhouston@LaBellaPC.com or 704-941-2110

Direct Registration Questions to
NC AWWA-WEA staff at (919) 784-9030
Collection and Distribution Schools

Coastal Collection & Distribution School

March 12-16, 2018  
Carteret Community College  
3505 Arendell Street  
Morehead City, NC 28557, www.carteret.edu

Western Collection & Distribution School

July 9-13, 2018  
Morganton, NC

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 (D, C, B & A), Wastewater Collection (I, II, III, & IV), Backflow Prevention/Cross-Connection Control, Shoring, Advanced Collection, Advanced Distribution, and Meter Technician.

CLASSED OFFERED

Shoring  
Backflow/Cross Connection  
Distribution (C, B, & A)  
Collection (I, II, III, & IV)  
Meter Technician - Not offered at the Coastal School

IMPORTANT DEADLINES
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 sizes are limited - especially the Backflow/Cross Connection class.

Early Registration Ends: February 23, 2018
Advanced Book Purchase Deadline: February 23, 2018
No Registrations Accepted After: March 2, 2018
Refund Deadline: March 2, 2018

DINNER & VENDOR SHOW
When: Wednesday, March 14, 2018  
Time: 4:00pm - 7:30pm (Dinner will be served)
Vendors will be set-up from 4:00pm - 7:30pm. Door prize drawings will take place after dinner.
Where: Coral Bay Club
Who: All students registered for Backflow/Cross Connection,

CLASS LOCATIONS
Directions/map will be provided with your registration confirmation and are available at www.ncsafewater.org.

LODGING
A block of rooms has been reserved at the following hotels. When making reservations, please identify yourself as being part of the North Carolina American Water Works Association (NCAWWA WeA) group.

DoubleTree by Hilton Atlantic Beach Oceanfront Hotel  
2717 West Fort Macon Road, Atlantic Beach, NC 28512  
Phone: 252-240-1155
Room rates (breakfast NOT included): Ocean view King - $91.00 per night plus tax, Ocean Front: $131 per night, plus tax; Suite $171 per night, plus tax
Reservation Deadline: February 12, 2018

LUNCH & BREAKS
Each day 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 for students registered for a class taking place on that day.

Study Materials

It is highly recommended that students refer to the Advanced Book Purchase Form/Course Materials Guide on pages 36-37 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 36-37 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 www.ncsafewater.org/resources_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 www.ncsafewater.org and may be downloaded for free.
COURSE DESCRIPTIONS

Backflow/Cross Connection
Monday, March 12 - Friday, March 16, 2018

Tentative Schedule
Monday: Registration: 7:30am, Class: 8:00am - 4:30pm
Tuesday: 8:00am - 4:30pm
Wednesday: 8:00am - 4:30pm
Thursday: 8:00am - 4:00pm
Friday: 8:00am - 12:00pm

Contact Hours
- Approved for 25.0 Contact Hours for continuing education for wastewater operators by the NCWPCSOCC - Course ID:CE11160012. Must be present for entire class to receive certificate of attendance.
- Approved for 25.0 Contact Hours for continuing education for water operators by the NCWTFOCB Course ID: 091346. Must be present for 75% of class to receive certificate of attendance.
- Students who attend at least 75% 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 & Troubleshooting, Residential Protection, Record Keeping, Safe Drinking Water Act Requirements, Pressure Vacuum Breaker, Operation & Testing, Reduced Pressure & Double Check Valve Assembly

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

Shoring
Tuesday, March 13, 2018

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

Tentative Schedule
Registration: 7:30am, Class: 8:15am - 4:30pm

Contact Hours
- Approved for 6.0 Contact Hours for continuing education for wastewater operators by the NCWPCSOCC - Course ID:CE01310102. Must be present for entire class to receive certificate of attendance.
- Approved for 6.0 Contact Hours for continuing education for water operators by the NCWTFOCB - Course ID: 091349. Must be present for entire class to receive certificate of attendance.

Topics Include
Basic Traffic Control, Lift Station Basics, Math, Public Relations, and Shoring & Underground Construction Safety

Update from the NCWTFOCB...
The NC Water Treatment Facility Operator Certification Board may require certain additional conditions for certification reinstatement requests brought before the NCWTFOCB under 15A NCAC 18D .0309 (b). As of March 15, 2011 the Board may require a person to first satisfactorily complete the appropriate school conducted by the NCWTFOCB if his or her certificate has been expired, retired or revoked for more than five years from the date of Board's consideration request. Satisfactory completion of said school is in addition to any original school that was completed for the original certification. If you have any questions please contact the NCWTFOCB at (919) 707-9040.

Contact Hours
Approved for 18.0 Contact Hours for continuing education for water operators by the NCWTFOCB. Must be present for 75% of class to receive certificate of attendance. See below for course ID for each course.

Course Materials
Refer to the Course Materials Guide on pages 36-37 for a list of books suggested for these classes.

- C-Distribution NCWTFOCB Course ID: 091347
  Topics Include: Safety, Erosion Control, Math, Quality Water, and Repair & Maintenance
  - Shoring is required to sit for the C-Distribution exam. As of October 2003, Collections I NO LONGER fulfills this requirement.

- B-Distribution NCWTFOCB Course ID: 091345
  Topics Include: Math, Quality Water, Record Keeping, Repair & Maintenance, Safety, and System Integrity
  - Shoring is required to sit for the B-Distribution exam when the candidate is eligible to skip the C-Distribution exam. Please contact the NCWTFOCB at 919-707-9040 for more information.

- A-Distribution NCWTFOCB Course ID: 091343
  Topics Include: Large Valves & Specialty Valves, Math, Quality Water, Repair & Maintenance, and Safety

Collections I, II, III, & IV
Wednesday, March 14 - Friday, March 16, 2018

Tentative Schedule
Wednesday: Registration: 7:30am, Class: 8:00am - 5:15pm
Thursday: 8:00am - 5:15pm
Friday: 8:00am - 12:00pm

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 ID for each course.

Course Materials
Refer to the Course Materials Guide on pages 36-37 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

Textbook for this class is included in the class registration fee and should dress for a wet lab environment.

Distribution A, B, & C
Wednesday, March 14 - Friday, March 16, 2018

Tentative Schedule
Wednesday: Registration: 7:30am, Class: 8:00am - 4:30pm
Thursday: 8:00am - 5:15pm
Friday: 8:00am - 12:00pm

Contact Hours
Approved for 6.0 Contact Hours for continuing education for wastewater operators by the NCWPCSOCC - Course ID: 091343. Must be present for entire class to receive certificate of attendance. See below for course ID for each course.

- A-Distribution NCWTFOCB Course ID: 091345
  Topics Include: Uniform Code, Math, Quality Water, Repair & Maintenance, and Safety

- B-Distribution NCWTFOCB Course ID: 091346
  Topics Include: Basic Traffic Control, Lift Station Basics, Math, Public Relations, and Shoring & Underground Construction Safety

- C-Distribution NCWTFOCB Course ID: 091347
  Topics Include: Safety, Erosion Control, Math, Quality Water, and Repair & Maintenance

Collection A, B, & C
Wednesday, March 14 - Friday, March 16, 2018

Tentative Schedule
Wednesday: Registration: 7:30am, Class: 8:00am - 4:30pm
Thursday: 8:00am - 5:15pm
Friday: 8:00am - 12:00pm

Contact Hours
Approved for 18.0 Contact Hours for continuing education for water operators by the NCWTFOCB. Must be present for 75% of class to receive certificate of attendance. See below for course ID for each course.

Course Materials
Refer to the Course Materials Guide on pages 36-37 for a list of books suggested for these classes.

- C-Distribution NCWTFOCB Course ID: 091347
  Topics Include: Safety, Erosion Control, Math, Quality Water, and Repair & Maintenance
  - Shoring is required to sit for the C-Distribution exam. As of October 2003, Collections I NO LONGER fulfills this requirement.

- B-Distribution NCWTFOCB Course ID: 091345
  Topics Include: Math, Quality Water, Record Keeping, Repair & Maintenance, Safety, and System Integrity
  - Shoring is required to sit for the B-Distribution exam when the candidate is eligible to skip the C-Distribution exam. Please contact the NCWTFOCB at 919-707-9040 for more information.

- A-Distribution NCWTFOCB Course ID: 091343
  Topics Include: Large Valves & Specialty Valves, Math, Quality Water, Repair & Maintenance, and Safety
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**  
March 12-16, 2018  
Morehead City, NC

**Western Collection & Distribution School**  
July 9-13, 2018  
Morganton, NC

**Central Collection & Distribution School**  
TBD  
Greensboro, NC

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. Spaces 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. Applications for the Central and Western schools will be available later in 2018.

The 2018 Collection and Distribution School Exhibit Rules and Regulations printed on this page should address any questions that you may have. Please complete the application on page 21 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.
Instructions
To submit a registration complete all requested information on the vendor form and mail or fax to the address or fax 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 2018 Coastal Collection & Distribution School Vendor Show on Wednesday, March 14, 2018
• 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 prizes:
____________________________________________________________________
____________________________________________________________________

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.

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 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 ebowers@ncsafewater.org.

Name of person: _______________________________________________________
Phone: __________________ Email: __________________
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.

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 2018 Coastal Collection & Distribution School Vendor Show on Wednesday, March 14, 2018 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 2018 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: ____________
Wastewater Operator Schools

Eastern Biological Wastewater Treatment Plant Operators School

April 23-27, 2018
NCSU McKimmon Center - Raleigh, NC
1101 Gorman St., Raleigh, NC, 27606

Early Registration Deadline: March 23, 2018
Advanced Book Purchase Deadline: March 23, 2018
No Registrations Accepted After: April 6, 2018
Refund Deadline: April 12, 2018
Switch Deadline: April 10, 2018

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 charged for each switch.

Western Biological Wastewater Treatment Plant Operators School

August 13-17, 2018
Foothills Higher Education Center - Morganton, NC
2128 South Sterling St., Morganton, NC 28655

Early Registration Deadline: July 13, 2018
Advanced Book Purchase Deadline: July 13, 2018
Registration Opens: May 1, 2018
No Registrations Accepted After: July 31, 2018
Refund Deadline: August 2, 2018
Switch Deadline: April 10, 2018

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 charged for each switch.

Physical/Chemical Wastewater Treatment Plant Operators School

April 24-27, 2018
NCSU McKimmon Center - Raleigh, NC
1101 Gorman St., Raleigh, NC, 27606

Early Registration Deadline: March 23, 2018
Advanced Book Purchase Deadline: March 23, 2018
No Registrations Accepted After: April 6, 2018
Refund Deadline: April 12, 2018

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 charged for each switch.

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 and are available at www.ncsafewater.org.

 Lodging

Attendees are responsible for making their own reservations.

Raleigh Area

Doubletree by Hilton Raleigh Brownstone-University
1707 Hillsborough Street, Raleigh, NC 27605
Phone: 919-828-0811 or 800-331-7919
www.brownstonehotel.com

A block of rooms has been reserved at the following rates; Single $124 + tax, Double $134 + tax (all rates are per night). Room rate includes breakfast coupons.


WHAT’S INCLUDED WITH REGISTRATION

For all classes listed below short 10-15 minute breaks will be given twice a day with refreshments available.

Biological WW School Grade

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<tr>
<td>NC Biological Training Course Standards - Grades III &amp; IV (Needs to Know)</td>
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<td>X</td>
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<tr>
<td>Lunch included (Mon. - Thurs.)</td>
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<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Lunch included (Friday)</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Physical/Chemical WW School

<table>
<thead>
<tr>
<th>Grade I ONLY</th>
<th>Grade II ONLY</th>
<th>Grades I &amp; II</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 1/2 days</td>
<td>1 1/2 days</td>
<td>4 days</td>
</tr>
<tr>
<td>Needs to Know</td>
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<td>X</td>
</tr>
<tr>
<td>Lunch - April 25</td>
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<td>Lunch - April 27</td>
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<td>X</td>
</tr>
<tr>
<td>Lunch - April 28</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Study Materials

It is highly recommended that students refer to the Advanced Book Purchase Form/Course Materials Guide on pages 36-37 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 36-37 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 www.ncsafewater.org/resources/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 www.ncsafewater.org and may be downloaded for free.
SUCCESSFUL COMPLETION
Successful completion of these schools 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 7:15am, Class: 8:00am - 4:30pm
Tuesday: 8:00am - 5:15pm
Wednesday: 8:00am - 5:15pm
Thursday: 8:00am - 5:15pm
Friday: 8:00am - 11:15am Lunch not included)


Biological Wastewater - Grade II
WPCSOCC Course ID: BE07110502

Tentative Schedule
Monday: Registration 7:15am, Class: 8:00am - 5:30pm
Tuesday: 8:00am - 5:15pm
Wednesday: 8:00am - 5:15pm
Thursday: 8:00am - 5:15pm
Friday: 8:00am - 3:00pm (Lunch included)


Biological Wastewater - Grade III
WPCSOCC Course ID: BE07120501

Tentative Schedule
Monday: Registration 7:15am, Class: 8:00am - 4:30pm
Tuesday: 8:00am - 5:15pm
Wednesday: 8:00am - 5:15pm

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

Biological Wastewater - Grade IV
WPCSOCC Course ID: BE07120502

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


PHYSICAL/CHEMICAL WASTEWATER COURSE DESCRIPTION

Physical/Chemical - Grade I
WPCSOCC Course ID: BE06210401

Tentative Schedule
Tuesday: Registration 7:30, Class 8:00am - 4:30pm
Wednesday: 8:00am - 5:30pm
Thursday: 8:00am - 12:00pm (Lunch NOT included.)


Physical/Chemical - Grade II
WPCSOCC Course ID: BE01190501 (Grade II ONLY), BE03110401 (Grade I & II)

Tentative Schedule
Thursday: 1:00pm - 4:30pm (Lunch NOT included.)
Friday: 8:00am - 3:30pm


Physical/Chemical - Grade III
WPCSOCC Course ID: BE01190501 (Grade II ONLY), BE03110401 (Grade I & II)

Tentative Schedule
Thursday: 1:00pm - 4:30pm (Lunch NOT included.)
Friday: 8:00am - 3:30pm

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

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

April 23-26, 2018
NCSU McKimmon Center - Raleigh, NC
1101 Gorman St., Raleigh, NC, 27606

Early Registration Ends: March 23, 2018
Advanced Book Purchase Deadline: March 23, 2018
Switch Deadline: April 10, 2018
No Registrations Accepted After: April 6, 2018
Refund Deadline: April 12, 2018

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

August 13-16, 2018
Foothills Higher Education Center - Morganton, NC
2128 South Sterling St., Morganton, NC 28655

Early Registration Ends: July 13, 2018
Advanced Book Purchase Deadline: July 13, 2018
Switch Deadline: April 10, 2018
No Registrations Accepted After: July 31, 2018
Refund Deadline: August 2, 2018

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 2018. 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 and are available at www.ncsafewater.org.

LODGING

For lodging information for both schools, please refer to the lodging information for the Eastern & Western Biological Wastewater Schools located on page 21. Attendees are responsible for making their own reservations.

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

Successful completion of these schools constitutes attendance at a minimum of 80% of the school’s total class hours (not including the exam).

Participants who attend 80% of the school, but do not take or do not pass the certification exam will receive a Certificate of Attendance. This certificate will document attendance for use in demonstrating continuing education credits.

Participants who attend 80% of the school AND pass the certification exam will receive a Certificate of Attendance for use in documenting continuing education credits, and a Maintenance Technologist Certificate that will include their new certification number.

Certificates of Attendance will be distributed after the exam. 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 I exam to validate their knowledge.

Eligibility Requirements

• High school diploma, GED, or equivalent; and
• 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.

Study Materials

It is highly recommended that students refer to the Advanced Book Purchase Form/Course Materials Guide on pages 36-37 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 36-37 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 www.ncsafewater.org/resources/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 www.ncsafewater.org and may be downloaded for free.
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.

- The Class I school is approved for 23.00 contact hours for continuing education for water operators, NCWTFO Certification Board COURSE ID: 091420
- The Class II school is approved by the Wastewater Commission for 23.00 contact hours for continuing education for wastewater operators. WPCSOCC COURSE ID: BE03311101.
- The Class III school is approved for 23.00 PDH's 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 an NC AWWA-WEA Class III Maintenance Technologist School, 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 fifty percent of the stated maintenance experience requirement.

Tentative Schedule

Monday: Registration: 7:30am, Class: 8:00am - 4:25pm
Tuesday: 8:00am - 4:55pm
Wednesday: 8:00am - 4:20pm
Thursday: Class 8:00am - 11:20am, Lunch 11:20am - 12:20pm, Test Taking Skills 12:20pm - 12:50pm, Exam 1:00pm - 4:00pm

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.

- The Class III school is approved for 23.00 contact hours for continuing education for water operators, NCWTFO Certification Board COURSE ID: 091420
- The Class III school is approved by the Wastewater Commission for 23.00 contact hours for continuing education for wastewater operators. WPCSOCC COURSE ID: BE03311102.
- The Class III school is approved for 23.00 PDH's for professional engineers.

*Please note Class III will only be offered at the Western School in August in Morganton, NC.*
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 School, 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 fifty percent of the stated maintenance experience requirement for Class IV.

Tentative Schedule

Monday: Registration 7:30am - 8am, Class: 8:00am - 4:25pm
Tuesday: 8:00am - 4:55pm
Wednesday: 8:00am - 4:20pm
Thursday: Class 8:00am - 11:20am, Lunch 11:20am - 12:20pm,

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.

- The Class IV school is approved for 23 contact hours for continuing education for water operators, NCWTFO Certification Board COURSE ID: 091420
- The Class IV school is approved by the Wastewater Commission for 23 contact hours for continuing education for wastewater operators. WPCSOCC COURSE ID: BE03311103.
- The Class IV school is approved for 23 PDH’s for professional engineers.

Certification Exam

The testing window for Class IV is August 7-21, 2018. 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.
Continuing Education Requirements

NC AWWA-WEA uses an electronic card-scanning system to track attendance. Continuing education credits cannot be reported unless you give the appropriate license/certification numbers to NC AWWA-WEA. Please be sure to do BOTH of the following to insure the accurate reporting of your continuing education credits.

1. Submit your license numbers during registration using the registration form or online registration system.
2. Bring your certification card issued by the NCWFOCB and/or the NCWPCSOCC to the event.
SUBSTITUTIONS

Institutes, Seminars, 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 do 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 been started. Substitutions cannot be issued once a course has been started.

SOCIAL SECURITY NUMBER

NC AWWA-WEA's event attendance/contact hour tracking program uses the last 4 digits of your SS# in conjunction with your license(s) 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 SS# for any other purpose. Your partial SS# 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 4 digits of your SS#, please indicate "refused" in the SS# blank. While we will 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 hour 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 to the appropriate section of this catalog for a definition of “successful completion” for each school. 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 4 weeks after the conference. Records will be emailed for attendees who provide an email address and mailed to attendees without 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 Seminar, School, Conference 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 login at anytime 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 lowest Member Rate.

» Individuals listed as “Employee of NC AWWA or NC WEA Organization Member” will receive the new Organizational Member Employee 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

ORGANIZATION MEMBER EMPLOYEE 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 $70 higher than the Member Rate
Exam Information

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.

STUDY MATERIALS

Various books and manuals are recommended to help students prepare for each school and the corresponding certification exam. It is highly recommended that students refer to the Advanced Book Purchase Form/Course Materials Guide on pages 36-37 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 36-37 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 www.ncsafewater.org/resources/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 www.ncsafewater.org and may be downloaded for free.

DISTRIBUTION & BACKFLOW/CROSS CONNECTION EXAMS

Exams will not be given at the end of the school.

The North Carolina Water Treatment Facility Operators Certification Board (NCWTFOCB) offers these exams quarterly at three different locations - Morganton, Snow Hill & Raleigh.

Exam dates for 2018 are listed below. Applications must be postmarked no later than 30 days before an exam.

<table>
<thead>
<tr>
<th>Exam Dates</th>
<th>Application Postmarked</th>
<th>Online Exam Dates</th>
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</thead>
<tbody>
<tr>
<td>February 23, 2018</td>
<td>January 22, 2018</td>
<td>March 27, 2018</td>
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<tr>
<td>May 31, 2018</td>
<td>May 1, 2018</td>
<td>July 31, 2018</td>
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<tr>
<td>August 30, 2018</td>
<td>July 30, 2018</td>
<td>September 25, 2018</td>
</tr>
<tr>
<td>October 25, 2018</td>
<td>September 25, 2018</td>
<td></td>
</tr>
</tbody>
</table>

For Distribution D, C, B, & A classes, successful completion of an approved distribution school requires at least 75% attendance of classes.

For Backflow/Cross-Connection, successful completion of an approved school requires at least 75% attendance of classes and a passing grade on the Practical Exam given at the school.

For questions about exams, certification qualifications or to obtain an exam application: Call 919-707-9040 or Download at www.ncwater.org/pws/
COLLECTIONS, BIOLOGICAL WASTEWATER, & PHYSICAL CHEMICAL EXAMS

Exams will not be given at the end of the school.

The Water Pollution Control System Operators Certification Commission (WPCSOCC) offers these exams four times per year at five different locations - Kenansville, Morganton, Raleigh, Salisbury & Williamston.

Exam dates for 2018 are listed below. Please note the date by which applications must be postmarked.

<table>
<thead>
<tr>
<th>Exam Dates</th>
<th>Application Postmark By</th>
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</thead>
<tbody>
<tr>
<td>March 8, 2018</td>
<td>February 7, 2018</td>
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<tr>
<td>June 14, 2018</td>
<td>May 14, 2018</td>
</tr>
<tr>
<td>September 13, 2018</td>
<td>August 14, 2018</td>
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</table>

Successful completion of an approved school requires 80% attendance of classes.

For questions about exams, certification qualifications or to obtain an exam application: Call 919-807-6353 or Download at http://portal.ncdenr.org/web/wq/admin/tacu

METER TECHNICIAN EXAM

In 2018 NC AWWA-WEA will offer the Voluntary Meter Technician Certification Exam at the Central Collection & Distribution School.

For more information on the Voluntary Meter Technician Exam please refer to future Training Catalogs, www.ncsafewater.org, or contact the NC AWWA-WEA office at (919) 784-9030.

MAINTENANCE TECHNOLOGIST EXAM

In 2018 NC AWWA-WEA will offer certification exams for Maintenance Technologist Classes I, II, III, & IV. Exams for Classes I, II, will take place at the end of the April school in Raleigh. Exams for Classes I, II, and III will take place at the end of the August school in Morganton. The Class IV exam will be offered during the week of August 7-21, 2018. See page 26 for details.

For more information on the Maintenance Technologist Exam please refer to www.ncsafewater.org/events_education/certifications/maintenance_technologist_school_certification or contact the NC AWWA-WEA office at (919) 784-9030.

MAINTENANCE TECHNOLOGIST CONTINUING EDUCATION

The continuing education requirement for Maintenance Technologist certificate holders is in effect for this year. Therefore, certification holders will need to complete a minimum of six (6) hours per year of continuing education for future renewals. When you submit your 2019 renewal, you will be required to provide documentation of training that is approved by the NC Department of Natural Resources for drinking water OR wastewater. We will be posting more information on our website in the coming months to assist certificate holders.

VOLUNTARY WASTEWATER LABORATORY ANALYST EXAM

In 2018 NC AWWA-WEA will offer the Voluntary Wastewater Laboratory Analyst Exam twice. The first exam date will be March 29th in Greensboro, NC and the second exam will be administered on October 16, 2018 in Wilson, NC.

For more information on the Voluntary Wastewater Laboratory Analyst Exam refer to www.ncsafewater.org/events_education/certifications/ww-lan-analyst-exam or contact the NC AWWA-WEA office at (919) 784-9030.
NC State Level Association (NC SLAM) 2018 Application & Renewal Form

NC AWWA-WEA
3725 National Drive, Suite 217, Raleigh, NC 27612
Phone: (919) 784-9030    Fax: (919) 784-9032    Website: www.ncsafewater.org

Form valid until 12/31/2018

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 ($70 for 1 year)
☐ Renew Membership ($70 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 #: ____________________

Receipt/Confirmation
Conversions are EMAILED to members. Confirmations will only be mailed to the member when an email address is not provided.
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 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 nbanks@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.
Dues are not deductible as charitable contributions for income tax purposes.
2018 Seminar, Institute, & School Registration Form

NC AWWA-WEA
3725 National Drive, Suite 217, Raleigh, NC 27612
Phone: (919) 784-9030  Fax: (919) 784-9032  Website: www.ncsafewater.org

Instructions
Before registering, please take time to completely review the General Registration Information on pages 19-20 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 Meter Technician or Maintenance Technologist class or exam you must also complete the appropriate exam application available in this catalog. Online registration is not available for Meter Technician or Maintenance Technologist.

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  ☐ Manufacturer/Distributor
☐ Government Agency  ☐ Research/Analytical Lab  ☐ Retired
☐ Student  ☐ Unemployed  ☐ Other __________________

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

Emergency Contact Information
Name: ____________________________ Relationship: ____________________________
Phone: ____________________________ Alt. Phone: ____________________________
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 #: ____________________________

Membership Numbers
Organizational Member Employees - Check your registration rate carefully!
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.

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.

Name of person: ____________________________
Phone: ____________________________ Email: ____________________________
I authorize that my information may be shared 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 ebowers@ncsafewater.org.

Payment
☐ Cash  ☐ Check/Money Order  ☐ Credit Card (☐ MasterCard/Visa  ☐ American Express)
Credit Card #: ____________________________  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 — March 12 - 16, 2018, Morehead City, NC

<table>
<thead>
<tr>
<th>Please CHECK the event for which you are registering and CIRCLE the correct registration fee.</th>
<th>Banquet Included</th>
<th>Class Days</th>
<th>Early Registration (NOW - 2/23/18)</th>
<th>Late Registration (2/24 - 3/2/18)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ Backflow/Cross Connection (includes Manual)</td>
<td>Yes</td>
<td>Mon-Fri</td>
<td>Member</td>
<td>Employee of Utility member</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$275</td>
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</tr>
<tr>
<td></td>
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<td></td>
<td>$320</td>
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<td>___ Shoring</td>
<td>No</td>
<td>Tuesday</td>
<td>$115</td>
<td>$150</td>
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<td></td>
<td></td>
<td></td>
<td>$160</td>
<td>$195</td>
</tr>
<tr>
<td>Collections:</td>
<td></td>
<td></td>
<td>$215</td>
<td>$250</td>
</tr>
<tr>
<td>___ I ___ II ___ III ___ VI</td>
<td>Yes</td>
<td>Wed-Fri</td>
<td>Member</td>
<td>Employee of Utility member</td>
</tr>
<tr>
<td>Distribution:</td>
<td></td>
<td></td>
<td>$215</td>
<td>$250</td>
</tr>
<tr>
<td>___ A ___ B ___ C</td>
<td>Yes</td>
<td>Wed-Fri</td>
<td>$215</td>
<td>$250</td>
</tr>
<tr>
<td>___ Academy Work Zone Traffic for Supervisors</td>
<td>No</td>
<td>Monday</td>
<td>$125</td>
<td>$160</td>
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</table>

FOR NEW ACADEMY STUDENTS: COURSES IN GREEN SECTION MUST BE ACCOMPANIED BY APPLICATION ON PAGE 14 AND RECOMMENDATION FORM ON PAGE 15-16.

Eastern Wastewater Operator Schools — April 23 - 27, 2018, Raleigh, NC

| Please CHECK the event and the Class for which you are registering and CIRCLE the correct registration fee. | Early Registration (NOW - 3/23/18) | Late Registration (3/24 - 4/6/18) |
|---|---|---|---|---|---|---|---|---|
| ___ Physical / Chemical School April 24-27, 2018 | ___ Grade I ONLY | $285 | $320 | $355 | $330 | $365 | $400 |
| | ___ Grade II ONLY | $160 | $195 | $230 | $205 | $240 | $275 |
| | ___ Grade I and II | $320 | $355 | $390 | $365 | $405 | $435 |
| ___ Eastern Biological School April 23-27, 2018 | ___ Grade I | $320 | $355 | $390 | $365 | $400 | $435 |
| | ___ Grade II | $330 | $365 | $400 | $375 | $410 | $445 |
| | ___ Grade III | $320 | $355 | $390 | $365 | $400 | $435 |
| | ___ Grade VI | $330 | $365 | $400 | $375 | $410 | $445 |
## Eastern Maintenance Technologist School & Exam — April 23 - 26, 2018, Raleigh, NC

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

<table>
<thead>
<tr>
<th>Class</th>
<th>Early Registration (NOW - 3/23/18)</th>
<th>Late Registration (3/24 - 4/20/18)</th>
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<tr>
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<td>Employee of Utility member</td>
</tr>
<tr>
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<td>$385</td>
<td>$420</td>
</tr>
<tr>
<td>___ Class I*</td>
<td>$385</td>
<td>$420</td>
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<tr>
<td>___ Class II*</td>
<td>$80</td>
<td>$115</td>
</tr>
<tr>
<td>___ Class IV*</td>
<td>$80</td>
<td>$115</td>
</tr>
<tr>
<td>___ Class I* Exam Retake</td>
<td>$110</td>
<td>$145</td>
</tr>
</tbody>
</table>

*Exam application on page 35 must also be completed and submitted with registration form.

**NOTE:** Class III will only be offered at the Western School in Morganton in June and Class IV will only be offered at the Eastern School in Raleigh in April.

## Seminar and Institutes

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

<table>
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<th>Late Registration (2/17 - 4/3/18)</th>
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<td>---</td>
<td>$105</td>
<td>$140</td>
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</tbody>
</table>

---
2018 Maintenance Technologist Exam Application

Name (First, M.I., Last):

Have you previously taken the Maintenance Technologist Exam?  □ Yes - Date __________  □ No

Do you need assistance with testing? (Must provide documentation from a doctor.) □ Yes - Date __________  □ No

Demographic Information Federal Law requires us to ask for this information.

Year of Birth: __________

Sex:  □ Male  □ Female  □ Prefer not to answer

Are you of Hispanic, Latino or Spanish origin:  □ Yes  □ No  □ Prefer not to answer

What is your race?  □ White  □ Black/African American

□ American Indian or Alaska Native  □ Asian or Pacific Islander

□ Hispanic  □ Other race  □ Prefer not to answer

Required Education

High School Graduate:  □ No  □ Yes  □ High School Equivalent/GED  Graduation Year: __________

High School Name: ____________________________________________  City & State: ____________________________________________

Additional Related Education  Attach additional sheets as necessary.

<table>
<thead>
<tr>
<th>Actively Enrolled From / To</th>
<th>College or Institution Include City, State, &amp; Zip Code</th>
<th>Related Course Work</th>
<th>Degree Earned or Years Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Experience  1800 hours equals 1 year of experience. Attach additional sheets as necessary

<table>
<thead>
<tr>
<th>Actively Enrolled From / To</th>
<th>Employer Include City, State, &amp; Zip Code Supervisor, &amp; Phone Number</th>
<th>Position and Duties MUST be specific as related to maintenance</th>
<th>Hours Per Week of Related Work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Substituting Education For Experience - DIPLOMA NEEDED If the answer is YES, you must attach copy of diploma and/or college transcript.

Are you applying for Class II or III AND substituting related education for experience.  □ No  □ Yes

License/Certification List all industry-related certifications. IF YOU CURRENTLY HOLD A PLANT MAINTENANCE CERTIFICATION, ATTACH A COPY OF YOUR CERTIFICATE.

<table>
<thead>
<tr>
<th>Agency (i.e. State)</th>
<th>Type (include class or grade)</th>
<th>Number</th>
<th>Year</th>
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</thead>
<tbody>
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<td></td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Applicant’s Statement of Certification

I certify that the information given is correct to the best of my knowledge. I have read the eligibility requirements and I believe that I am eligible for this level of certification.

Applicant’s Signature: ____________________________

Date: ________________

Recommendation by Applicant’s Supervisor

I have reviewed this application and verify that all statements are true and correct to the best of my knowledge. I also certify that the applicant has performed all the required activities and meets all the eligibility requirements for this certification. I therefore recommend this applicant be considered for the certification by the NC AWWA-WEA Board of Education and Examiners.

Supervisor’s Name: ____________________________

Job Title: ____________________________ Phone Number: ____________________________

Supervisor’s Signature: ____________________________

Date: ________________
2018 Advanced Book Purchase Form

NC AWWA-WEA
3725 National Drive, Suite 217, 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 onsite.

Depending upon inventory availability there may be a very limited number of books available for onsite purchase at schools. Once an item is sold out onsite, 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): ______________

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: _________________________

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 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 ebowers@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 #: ___________________________ 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.

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.
# Advanced Book Purchase Form/Course Materials Guide

<table>
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<th>Related Class</th>
<th>Book Title</th>
<th>Member Price</th>
<th>Non-Member Price</th>
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<td>Wastewater Collection Operation &amp; Maintenance - Vol. 2 (Sacramento Manual)</td>
<td>$60</td>
<td>$75</td>
<td>X</td>
<td>$</td>
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<tr>
<td></td>
<td>NC Collections System Operator's Needs to Know Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
<td>$60</td>
<td>$75</td>
<td>X</td>
<td>$</td>
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<td>Physical/Chemical</td>
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<td>Industrial Waste Treatment, Vol. 2 (Sacramento Manual) **</td>
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<td>Pretreatment Facility Inspection (Sacramento Manual)</td>
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<td>Treatment of Metal Wastestreams (Sacramento Manual)</td>
<td>$65</td>
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<tr>
<td></td>
<td>Physical/Chemical Wastewater Operator's Needs to Know Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
<td>$60</td>
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<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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<tr>
<td>Distribution D</td>
<td>WSO Water Distribution - Grades 3 &amp; 4 (1st edition)</td>
<td>$95</td>
<td>$110</td>
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<td></td>
<td>Water Distribution Operator Training Handbook - AWWA</td>
<td>$105</td>
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<td></td>
<td>NC D-Distribution Needs to Know Manual Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
<td>$135</td>
<td>$140</td>
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<td>$135</td>
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<td>$60</td>
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<td>Biological Wastewater I</td>
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<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) Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
<td>$60</td>
<td>$75</td>
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<td>Electric Fundamentals for Water and Wastewater</td>
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<td></td>
<td>Industrial Maintenance, 3rd Edition</td>
<td>$115</td>
<td>$130</td>
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<td>Maintenance Technologist Class I - Needs to Know Manual &amp; Core Competencies Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
<td>$115</td>
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<td>All</td>
<td>Math Manual Download for FREE from the Bookstore page of <a href="http://www.ncsafewater.org">www.ncsafewater.org</a>.</td>
<td>$115</td>
<td>$130</td>
<td>X</td>
<td>$</td>
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ORDER TOTAL $ _____________
SAVE the DATE

17th Annual Spring Symposium

MARCH 26-27, 2018
Omni Grove Park Inn
Asheville, NC

Online registration, printable registration form and symposium schedule available at www.ncsafeewater.org/page/spring
Ready to take the next step in your career and become a member of NC AWWA-WEA? Visit ncsafewater.org or see the NC SLAM membership application on page 31!

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.