



North Carolina Waterworks
Operators Association

GO WITH THE FLOW

Training Tomorrow's Water Professionals Today

January 2016
Volume 19, Number 1

Operator's Spotlight

A Conversation with Reid Hammett

Reid Hammett of the Broad River Water Authority (BRWA) has spent half of his lifetime working to see that the citizens of Rutherford County receive safe and reliable water service-24/7. As a young man, he worked in the summers and on weekends for the Town of Forest City while attending Haywood Community College where he obtained a degree in Wildlife Management. Unfortunately during that time, the State of North Carolina had frozen all wildlife service jobs and Reid could not find work in that field, so he continued working with Forest City as a utility crew member.

He speaks of his first-ever "nighttime emergency," when he was called out at 11:00 pm on a very cold night to help repair a broken water main in the Forest City water distribution system. The crew worked long in to the night repairing the leak and it was after that event when Reid decided, "I wanted a career in the waterworks field." As the current Water Operations Leader for BRWA he speaks of his pride in his current utility crew and all the things they accomplish together.

The BRWA was formed in the mid-1990s, combining the Towns of Spindale, Rutherfordton, Ruth, and the communities of Shiloh, Harris Road, Cliffside and Henrietta; with the system today serving



some 7,000 customers through 247 miles of distribution piping. Reid speaks of the challenges of having lots of very old infrastructure piping in the fore mentioned town boundaries. He and the management of BRWA are working to develop a better mapping and GIS of the system, which will help greatly in the ongoing and long term plans of upgrading the piping network. "It is an ongoing process to upgrade and replace all of the older piping in our system," Reid said.

Recently, BRWA replaced all its system metering with a new radio read system. He spoke of how much the new system has improved water accountability and account billing records. It also allows better capability to alert customers of changes in water use trends, customer leaks, and zone leakage.

Work is underway to build a new shop facility with equipment sheds to house vehicles and other water system components. BRWA has outgrown its current shop facility and the new shop will afford them to have better parts inventory and a better place for the utility crew to

The purpose of GO WITH THE FLOW is to keep you, the operator, informed of some of the training opportunities that are available for your certification needs (new and renewal). The Training/ Meetings calendar will be updated quarterly as information about new training opportunities becomes available. Events may be scheduled by: NCWOA, Public Water Supply Section, State Laboratory of Public Health, and other sources. This newsletter may also contain information on new regulations, news from the Certification Board, and important need-to-know resource contacts.

Check out our new website!

www.ncwoa.com

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operate. Reid was very excited about the new facility and how much it would help his utility crew with day to day operations.

Aside from his life's water work, Reid is an avid sportsman. He plays golf regularly with his friends from Forest City and Rutherford County and they plan a couple of trips per year to get away and to play golf. In high school Reid played football and was a member of his school's golf team. He also loves to hunt and fish and spoke of his

first 6-point buck kill this year with his new crossbow. He dreams regularly of getting to go on a big hunt to Kansas, Wyoming or Colorado someday.

Thank you Reid for your many years of service to Forest City, BRWA and the citizens of Rutherford County. Also, thank you for your enthusiasm and leadership with your utility crew and for your dedication of service in our waterworks industry.



Operator's Spotlight

A Conversation with Darrin Oliver

A sign of Darrin Oliver's character is that he took time out of his hunting trip to return a call and be interviewed for this spotlight article. It is always interesting to know how individuals find their way into water treatment. Darrin's story is he spent eight years working with the Burke County Public Schools as a maintenance mechanic. The maintenance team was responsible for 28 schools plus administration buildings. He performed regular maintenance, but specialized in maintenance and repairs dealing with the HVAC and electrical systems. He holds an AA degree from Western Piedmont Community College, a contractor's electrical license and certificates in welding and HVAC. This knowledge and experience prepared him for his current position as a maintenance mechanic at Lake James.

Darrin began working with the North Carolina Parks Service in 2008, just prior to Lake James Park opening to the public. This is the perfect career for someone who enjoys being outdoors and around water. The public is happy that he also enjoys the water coming from plumbing fixtures, as he is the only certified treatment water operator on site serving as ORC for Lake James. Each day offers a variety of possibilities; he may be cleaning out a ditch line, using a chainsaw to clear a trail, or performing maintenance on the well pump or chemical feed system. Those years with the school system honed the skills he uses each day in maintaining the facility and its assets for the public's pleasure.

Darrin feels fortunate to have maintenance mechanics stationed at nearby



parks that are also certified so they can help each other out when challenges arise. Darrin relayed one of those challenges that occurred during a July 4th holiday weekend. Having inspected the restroom, he noted a strong odor of chlorine. He assumed that the cleaning staff had just finished their rounds, but to be sure he mentioned the strong odor to them. The cleaning staff stated that they had not been in the restroom. Upon checking the chemical feed system for the well, he discovered that 35 gallons of chlorine had been used, an amount that should have treated the water through the weekend. Darrin checked with his colleagues (certified operators) and after posting the "non-potable" water signs around the facilities, began to troubleshoot the cause of the chlorine overfeeding. It was discovered that the pressure switch associated with the chemical feed pump had been improperly installed after the pump. The switch malfunctioned causing the pump to keep feeding into the treated

water day tank. Darrin made the necessary repairs and the facility was back in water within the day.

Darrin successfully passed the test for the subsurface (septic and drain field) certificate. He plans to enroll for the spray irrigation in March 2016. Spray irrigation is not used at Lake James, but this will allow Darrin to be a back-up for other parks.

The day I spoke with Darrin he had just killed a nine point buck and had



a successful hunting week with his friends. The group had gotten a total of four does during three days of hunting. Hunting and his career are not the only things that keep him outdoors. Darrin is a baseball and fastpitch softball umpire for high schools and colleges. He played ball, and when he felt it

was time to give up playing the sport he just could not walk away. He began to umpire as a way of continuing to enjoy the sport. He currently umpires for the Western Piedmont Association (50 high schools) and the Southern Athletic Conference. The SAC includes such colleges as: E. Tennessee, Pfeiffer, Belmont Abbey, Upstate Methodist, and Elon.

Darrin has been married for the past 19 years to his high school sweetheart and they have one 13 year old son. Darrin is a good "ambassador" for the NC Park Service. He is very humble, carries a big smile, and a warm and inviting demeanor. NCWOA looks forward to Darrin spending many more years ensuring the public's health through great drinking water.

Operator's Spotlight

A Conversation with Glen English

In 1985, Glen English joined the United States Army to serve his country. He was very excited to embark on this new journey that afforded him many opportunities to travel. He found himself stationed in Germany for eight years where he learned all about fast cars.

"I would drive an American made car 115-120 mph," he laughed. "I guess I was young and dumb."

He said it never failed, no matter how much foot he had on the gas, a German made car would blow by him like he was sitting still. When his time in Germany was up, he and his wife, Brenda, moved to Fayetteville, NC so she could report to her next duty station, Fort Bragg. They fell in love with NC and decided to stay and not return to English's native state of New York.

English very quickly landed a job with the Fayetteville Public Works Commission (PWC) doing sewer construction. He says he was the guy that was always digging up the road to make repairs. Eleven years ago, he "kicked it up notch," transferring over to the water treatment side. He is still in his water treatment operator's job and handles the chemical inventory and logistics for the Hoffer and Glenville Lake water plants for the City of Fayetteville.

English really loves his job and feels very fortunate to have such extensive knowledge of the water treatment process and how to repair what's in the ground. The Hoffer Plant pushes between 30-40 million gallons per day (mgd), while the Glenville Lake Plant delivers 10-15 mgd.

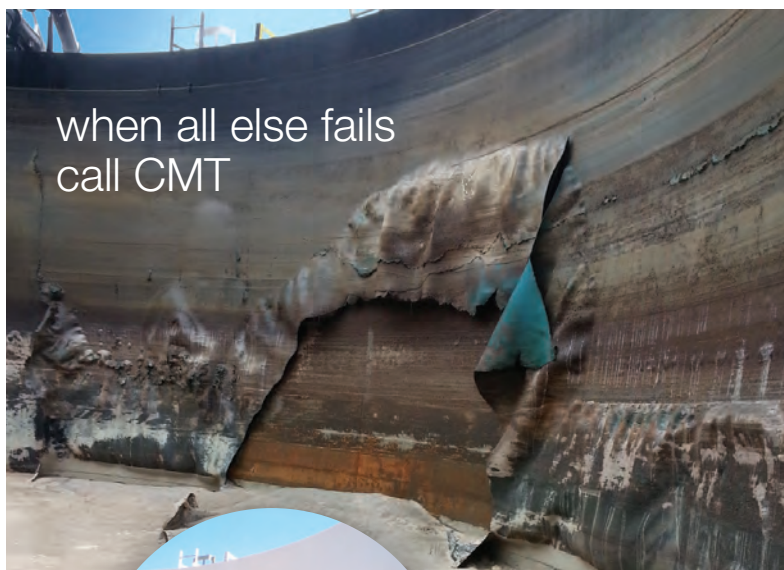
"We have the best tasting water in the state," English boasts. "I knew this is what I wanted to do. I was amazed at the level of complication it took to get clean drinking water to the customer. I always took it for granted. I just turned on the spigot and Boom! I had water. I have a much deeper respect for the process and what it takes to provide clean drinking water. We are the silent heroes in this."



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respect for the process and
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are the silent heroes in this."*

Hoffer and Glenville get its raw water supply from the Cape Fear River. English says what is taken out has to be put back; recycle and reclaim. He says it's a great responsibility and he uses great care in the standard treatment process of sedimentation, filtration, and disinfection.

English has a long way to go before he can retire and hopes he can go well past 30 years. His bucket list is rather small. He wants to go to Australia and maybe Brazil, Hong Kong, and Japan. He says he would also like to finish fixing up a muscle car he has. Until then, he is content serving the customers at Fayetteville PWC. He intends to stay healthy and keep working on his Taekwondo skills where he is currently a 2nd Degree Black Belt.



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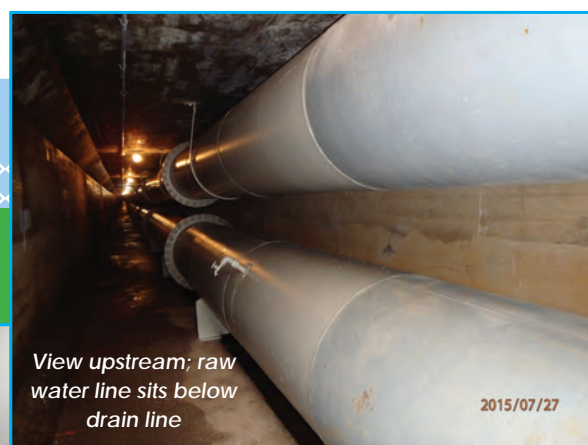
Permanent Solutions Addressing Leakage in North Fork Dam Conduit

The City of Asheville had long been pulling water from the North Fork Valley via two 16" pipes prior to the completion of the dam at the North Fork Water Treatment Plant. The dam was completed in 1955, and while the city celebrated having a modern treatment plant with a sufficiently sized water source, it did not take long to realize that there was one small problem: leaks about midway throughout the dam's conduit. The leaks occurred as the dam settled over a sheetpile cutoff wall causing minor separation at the joints in the conduit. The leaks were so small and the water clear that it did not constitute a major concern at the time. Over the next 70 years, a variety of successive grouting programs at the joints were performed to seal the leaks. Each grouting program seemed to fix the problem, until the water found another weak spot and began to drip. In recent years, the leakage volume increased and fine iron-stained sediment appeared in the floor. The continued leakage with the additional fines elevated this situation from maintenance to major capital project to find a final solution to the leakage.

The engineering firm continued to investigate options for a permanent repair, which included grouting from the outside through the dam, providing a structural ring and concrete seal on the interior walls, and encapsulating the pipes in the conduit with cement grout. Eventually they recommended filling in the conduit with a lightweight cellular concrete, weighing not much more than water. To address access concerns and to provide a potential future pipeline in the conduit should there be problems with the existing pipes, a 48-inch diameter carrier was added to the design to fulfill these long-term concerns. Thus began the current project taking place on the Burnett Dam.

The conduit construction interfered with certain plant operations. Working with the engineering firm, the contractor and various divisions of Water Resources, solutions were found. These solutions will be used for planning during the future upgrades to the dam and raw water line that will begin in 2017. The dewatering activities associated with the future upgrades of the conduit pipes facilitated a review of the 36-inch intake system, the accompanying valve locations along the system, and the functionality of the integrated system as a whole. Valves were uncovered, exercised and a tap installed to assist with draining the raw water line. The contractor requested to remove chlorine injection lines temporarily from the conduit during current construction activities. To prevent interrupted production of water treatment, plant staff injected chlorine at a junction downstream. Once the conduit is infilled with cellular concrete the chlorine injection lines will be re-installed on existing injection ports in the conduit on the downstream side of the dam. Raw water sample lines were also temporarily removed during construction. Laboratory staff took samples off the intake tower bridge at the appropriate intake depths to continue lake profile monitoring (pH, turbidity, iron, manganese, and temperature). The raw water sample lines will be re-installed and rerouted through the upper 12-inch PVC pipe within the conduit.

At this point, painters have addressed rust on the waterlines and sealed the lines with a specialty coating to protect the pipes from corroding. The design also included placing two other lines within the conduit walkway, one 12-inch drain within the base of lean concrete placed to serve as the foundation for the 48-inch pipe, and one 12-inch conduit in the ceiling for electrical and communications lines. The lean concrete base has been poured, installation of the drain and electrical



conduits has been completed, and all cellular concrete feed lines placed. The next step will be placement of the 48-inch steel access pipe, followed by the pumping of the cellular concrete which will encapsulate all pipes and completely infill the conduit.

Upon completion of the phase 1 of the dam improvement projects, the leaks that have plagued the conduit for almost 70 years will have been permanently sealed. This will ensure that the dam and the water source will continue to serve the customers of the City of Asheville for many years to come.



12" drain line



12" conduit for
electrical and raw
water taps



Pouring of lean
concrete

2015/09/03

What's happening at your plant?

Are you going through an upgrade, adding some new features, starting a new process? Want to share your experience with other operators?

NCWOA would love to include your article in *Go With The Flow*. Anyone interested please contact Heather Cagle at heather@ncwoa.com

Starting in January 2016, the Go With the Flow will be issued in January, April, July, and October.

NCWOA Seminars with Proposed Agendas

All NCWOA seminars listed on pages 6-7 are for 6.0 contact hours and are pre-approved by the NCWFOCB for treatment and distribution operators. Many of the seminars will also qualify for 6.0 wastewater contact hours. Individuals that attend an entire seminar will receive a Certificate of Attendance for 6.0. Please see each individual seminar agenda or description for details. Registration form is available on page 9.

Water Treatment Residuals Management: Proven Practices & Emerging Strategies

February 18, 2016 in Wilmington and December 8, 2016 in Burlington

8:00 – 8:30	Registration & Welcome	1:15 – 1:45	Wastewater Rules Update
8:30 – 9:00	Rules Update from PWSS	1:45 – 2:15	Solids Hauling Costs & Permitting
9:00 – 9:45	Residuals from Coagulation, Flocculation, & Sedimentation: Optimizing Traditional Approaches	2:15 – 2:45	Dealing with Process Wastes from Reverse Osmosis Facilities
9:45 – 10:30	NPDES Permitting for Water Treatment Plants	2:45 – 3:00	Break
10:30 – 10:45	Break	3:00 – 3:30	Ion Exchange Residuals & Process Wastes
10:45 – 11:30	Mechanical Thickening & De-watering Techniques	3:30 – 4:00	Greensand Process Wastes
11:30 – 12:15	Field Experiences with Mechanical De-watering Treatment	4:00	6 Contact hours for all DRINKING WATER and WASTEWATER certifications
12:15 – 1:15	Lunch Provided On-site		

Source Water Seminar - Show Me the Water!

March 10, 2016 in Maggie Valley

8:00 – 8:30	Registration & Welcome	12:45 – 1:30	Source Water Basin Planning
8:30 – 9:15	Source Water Protection Planning Rules	1:30 – 2:15	Algae & Algae Control in Source Water
9:15 – 10:00	Surface Water Supply Planning	2:15 – 2:45	Water Intakes
10:00 – 10:15	Break	2:45 – 3:00	Break
10:15 – 11:00	Source Water Monitoring (Raw Water Supply - Lake or Reservoir)	3:00 – 3:30	The Miex Process for Taste & Odor Treatment
11:00 – 12:00	Dam Inspection	3:30 – 4:00	DBP Removal - Chlorine dioxide
12:00 – 12:45	Lunch Provided On-site	4:00	6 Contact hours for all DRINKING WATER certifications

Operators Do It All! - Regulations, Reporting and Public Interaction - Advanced Day 2016

April 6, 2016 in Morganton (**Registration for Advanced Day is in the Spring School Brochure**)

8:30 – 8:40	Welcome and Opening Remarks	1:30 – 2:45	Operator/System Responsibilities: Public Notice
8:40 – 9:05	Public Water Supply – Rules Update Highlights		Different Types of NPDES Discharges: Overview & What Goes on DMR's
9:05 – 9:55	NCWFO Certification Board Update		
9:55 – 10:15	Public Water Supply – Wastewater Rules Update Highlights	2:45 – 3:05	Break
10:15 – 10:45	Break	3:05 – 4:50	Public Interaction
10:45 – 12:15	SCADA: What Data to Collect, What is Needed for Internal Use & How to Analyze Data, What goes on Source Water & Groundwater Monthly Reports	4:50	Corrective Action for Coliform & Pressure Problems
			Utility Policies for Working with the Public Media
12:15 – 1:30	Lunch Provided On-site		Certificates awarded for 6 Contact hours for all DRINKING WATER and WASTEWATER certifications

Completing the Cycle: Water Distribution and Wastewater Collection Operations

April 20, 2016 in Rocky Mount and June 2, 2016 in Asheville

8:00 – 8:30	Registration and Welcome	12:45 – 1:45	Rehabilitation of Pipelines using Trenchless Technologies
8:30 – 9:30	Testing Collection Systems for Acceptance & Maintenance	1:45 – 2:45	GPS Technologies & How to Use in the Field
9:30 – 10:30	The Latest AMR & AMI Meter Technologies	2:45 – 3:00	Break
10:30 – 10:45	Break	3:00 – 4:00	Regulatory Updates
10:45 – 11:45	Security of Water Distribution/Wastewater Collection Systems	4:50	Certificates awarded for 6 Contact hours for all DRINKING WATER and WASTEWATER certifications
11:45 – 12:45	Lunch Provided On-site		

NCWOA Seminars with Proposed Agendas

Source Water Seminar - Show Me the Water!

May 12, 2016 in Fayetteville

8:00 – 8:30	Registration & Welcome	12:45 – 1:45	Capacity Use Area/Salt Water Intrusion
8:30 – 9:15	Source Water Protection Planning Rules	1:45 – 2:30	Well Rehabilitation/Cleaning
9:15 – 10:00	Ground Water Supply Planning	2:30 – 2:45	Break
10:00 – 10:15	Break	2:45 – 3:30	RO Membrane Overview
10:15 – 11:00	Selecting a New Groundwater Source Aquifer	3:30 – 4:00	Taste & Odor - Algae; H2S Removal; Ion Exchange; MN/Fe Oxidation
11:00 – 12:00	Aquifer Storage and Recovery (ASR) Wells	4:00	6 Contact hours for all DRINKING WATER certifications
12:00 – 12:45	Lunch Provided On-site		

NH3/F ISE, Specs, Incubators and H2O Purifications in the Lab

June 28, 2016 in Kinston and June 29, 2016 in Greensboro

ThermoFisher
SCIENTIFIC

This workshop will cover use of four different types of lab equipment including ammonia and fluoride ISE probes, spectrophotometers, incubators and water systems. The course objectives will be met by presenting basic technical principals for each application and then incorporating practical "best practices" tips when using the equipment. A demonstration of the equipment will be given.

8:00 – 8:30	Registration & Welcome	1:00 – 2:00	Demonstration Exercise 3: Incubation
8:30 – 9:15	ISE Easy: Ammonia & Fluoride Measurement	2:00 – 2:15	Break
9:15 – 10:00	Demonstration Exercise 1: Ammonia & Fluoride ISE	2:15 – 2:45	Techniques of point-of-use water systems in the lab environment
10:00 – 10:15	Break	2:45 – 3:30	Demonstration Exercise 4: Water System
10:15 – 10:45	Spectrophotometry 101	3:30 – 3:45	Final Questions and Conclusion
10:45 – 11:45	Demonstration Exercise 2: Spectrophotometry	3:45	6 Contact hours for all DRINKING WATER and WASTEWATER certifications
11:45 – 12:30	Lunch Provided On-site		
12:30 – 1:00	Use of Microbiological Incubators/BOD Incubators		

Groundwater Seminar

July 21, 2016 in Snow Hill

8:00 – 8:30	Registration & Welcome	12:15 – 1:15	Lunch Provided On-site
8:30 – 9:00	Regulatory Update from PWSS	1:15 – 2:15	Chemical Feed Pump Optimization
9:00 – 9:30	Central Coastal Plain Capacity Use Area	2:15 – 3:15	Chemical Safety
9:30 – 10:00	Sanitary Surveys	3:15 – 3:30	Break
10:00 – 10:15	Break	3:30 – 4:00	New Water Analyzing Methods
10:15 – 11:15	Reverse Osmosis Treatment/Aquifer Salt Water Intrusion	4:00	6 Contact hours for all DRINKING WATER certifications
11:15 – 12:15	Well Design and Rehabilitation		

Remote Lab Tech Day

August 17, 2016 in Emerald Isle

8:00 - 8:30	Registration & Welcome	12:45 – 1:30	TOC Analyzer Demo
8:30 - 9:15	Dissolved Metals vs. Total Metals	1:30 – 2:00	UCMR3 & Upcoming UCMR4
9:15 - 10:00	Chemical Interferences	2:00 – 2:15	Break
10:00 – 10:45	Compliance Monitoring Triggers: New Sources, New Plants	2:15 – 2:45	DO, pH, & Chlorine: Field to Lab to Process
10:45 – 11:00	Break	2:45 – 3:30	Jar Testing Treatment
11:00 – 11:45	Different Disinfectants: Chlorine, Chloramines, Chlorine Dioxide, UV	3:30 – 4:00	Handling Customer Service Complaints
11:45 – 12:45	Lunch Provided On-site	4:00	6 Contact hours for all DRINKING WATER and WASTEWATER certifications

For online seminar registration please check our website www.ncwoa.com

We Appreciate Our Corporate Sponsors!



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Southeast Section

Current Section Chair, James Merritt, presented Mr. Roy Lowder with the 2015 Tom Flowers Award.

This award was presented to Roy in recognition for outstanding service and dedication to the Waterworks Industry and NCWOA. Roy has volunteered his time and effort by teaching at our annual schools and serving as past southeast section chair. We hope that this award reflects our appreciation of his loyalty and dedication to the water industry.

Additional NCWOA Sponsored Training

C-Level Math Review
February 17, 2015 in Carthage
Contact JD Monroe, (910) 947-5784

A & B Math Review
February 18, 2015 in Carthage
Contact JD Monroe, (910) 947-5784

Bacteriological Methods for Drinking Water
Feb. 16-18, 2016
Contact Michelle 919-807-8756

Process Control Chemistry
March 1-4, 2016
Contact Michelle 919-807-8756

NCWOA Spring School
April 4-8, 2016 in Morganton
A, B, & C Surface
B & C Well
Advanced Day, April 6, 2016

Lab Tech Day
THURSDAY May 5, 2016 in Raleigh
Brochures out around Feb 15, 2016

See April issue for more training events.

North Carolina Waterworks Operators Association

SEMINAR REGISTRATION FORM

Deadline for entry is receipt at least 4 business days before a seminar.

Space is limited - First Paid, First Accepted



Please Print or Type

NAME (First, MI, Last): _____ Nickname (For Tag) _____

SOCIAL SECURITY # (last 4 digits): XXX-XX-_____ EMPLOYER: _____

MAILING ADDRESS _____

CITY: _____ COUNTY: _____ STATE: _____ ZIP: _____

WORK PHONE: _____ Ext: _____ FAX: _____

EMAIL ADDRESS: _____

NC WATER TREATMENT CERTIFICATE # (OPERATOR ID #): _____ NCWOA MEMBER # : _____

NC WATER TREATMENT CERTIFICATE TYPE: ☐ AS ☐ BS ☐ CS ☐ AW ☐ BW ☐ CW ☐ DW ☐ AD ☐ BD ☐ CD ☐ DD ☐ CC/BF ☐ None

NC WASTEWATER CERTIFICATION # (OPERATOR ID #): _____, _____, _____ (Applies only to seminars indicated with a ^)

NCWOA MEMBER PRICE IS \$65.00 (Must put your INDIVIDUAL NCWOA membership number on the line above to qualify)

NON-MEMBER PRICE IS \$95.00 (**Free 2016 NCWOA membership included in this price.)

**^Water Treatment Residuals Management: Proven Practices & Emerging Strategies - February 18, 2016 in Wilmington	Cost \$ _____
**Source Water Seminar - March 10, 2016 in Maggie Valley	Cost \$ _____
**^Completing the Cycle: Water Distribution & Wastewater Collection Operations - April 20, 2016 in Rocky Mount	Cost \$ _____
**Source Water Seminar - May 12, 2016 in Fayetteville	Cost \$ _____
**^Completing the Cycle: Water Distribution & Wastewater Collection Operations - June 2, 2016 in Asheville	Cost \$ _____
**^NH3/F ISE, Specs, Incubators and H2O Purification in the Lab (Thermofisher) - June 28, 2016 in Kinston	Cost \$ _____
**^NH3/F ISE, Specs, Incubators and H2O Purification in the Lab (Thermofisher) - June 29, 2016 in Greensboro	Cost \$ _____
**Groundwater Seminar - July 21, 2016 in Snow Hill	Cost \$ _____

Registration information for future seminars will be available in the April issue of Go With the Flow.

Please make checks payable to "NCWOA" or "North Carolina Waterworks Operators Association". We do NOT accept Purchase Orders. Credit Card payments may be mailed, faxed, or scanned but NOT called in. A confirmation letter/receipt and map will be mailed to each attendee once full payment is received.

REFUNDS: We will issue a refund (minus a \$20 administrative fee), if the refund is requested, in writing, at least 7 business days prior to the event. Refunds will be made in the same manner as payment. Substitutions may be made. Please inform us, as soon as possible, of substitutions so that the appropriate certificates of attendance may be generated.

CONTACT HOUR INFORMATION: Each of the seminars are worth 6 contact hours and have been PRE-APPROVED by the NCWTFO Certification Board for Water Treatment Facility Operators continuing education hours. All seminars marked with a "^" have **ALSO** been pre-approved by the Wastewater Commission for 6 hours.

CREDIT CARD PAYMENT

Credit Card Type: ☐ Visa ☐ MC ☐ AmEx ☐ Discover

Name on Credit Card: _____

Credit Card Number: _____

Exp Date: Month _____ Year _____ Security Code from back of Card _____

Cardholder's Signature: _____

If cardholder is other than attendee, what email address should the CC receipt be sent to? _____

To ensure that you receive the emailed receipt, please add cindy@ncwoa.com to your email address book.

PLEASE SEND APPLICATION AND PAYMENT TO:

Cindy Gall, NCWOA Controller
PO Box 4519
Emerald Isle, NC 28594
Phone: 252-764-2094
Fax: 252-764-2095
Email: cindy@ncwoa.com

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: Cannot be Processed :
: Over the Phone :
: :

NCWOA USE: Amount: _____ CK# _____ E S Processed: _____

MEMBERSHIP APPLICATION

MISSION STATEMENT: To provide knowledge, skills & educational opportunities for drinking water professionals; develop working relationships with other water treatment organizations; project a positive image and communicate the importance of safe drinking water.



Membership Application

NEW OR RENEWAL MEMBERSHIP APPLICATION – ANNUAL DUES ARE \$25.00 FOR 2016

First Name: _____ Middle Initial: _____ Last Name: _____

Nickname: _____ Social Security # (last 4 digits): xxx-xx-_____ If Renewal, what is your NCWOA Member #: _____

YOUR Individual Operator Certification #: (Issued by NCWTFOCB) _____

Certificate(s) Held:

____ A-Surface ____ B-Surface ____ C-Surface ____ A-Well ____ B-Well ____ C-Well ____ D-Well

____ A-Dist ____ B-Dist ____ C-Dist ____ D-Dist ____ Cross-Connection

____ Wastewater #'s & certificate type

____ None Yet ____ You are not an Operator & do not plan to become Certified.

PLEASE SELECT YOUR PREFERRED ADDRESS (This is where confirmations & membership info will be sent.)

____ Home Address: _____

City: _____ State _____ Zip _____ County: _____

____ Employer Name: _____

MAILING Address: _____

City: _____ State _____ Zip _____ County: _____

Work Phone : _____ Ext: _____ Fax: _____

Home Phone: _____ Cell Phone: _____

Email Address: _____

How would you like to receive your issues of Go With The Flow? Postal Delivery _____ OR Email _____

How would you like to receive your Section Meeting notices? Postal Delivery _____ OR Email _____

NOTE: Memberships are based upon a calendar year. Membership cards will be mailed with receipt. These cards will contain your name, membership number, and membership expiration date.

NOTE: Please make checks payable to "NCWOA" or "North Carolina Waterworks Operators Association". We do NOT accept Purchase Orders. Credit Card payments may be mailed, faxed, or scanned but NOT called in

CREDIT CARD PAYMENT

Credit Card Type: ____ Visa ____ MC ____ AmEx ____ Discover

Name on Credit Card: _____

Credit Card Number: _____

Exp Date: Month _____ Year _____ Security Code from back of Card _____

Cardholder's Signature: _____

If cardholder is other than attendee, what email address should the CC receipt be sent to? _____

To ensure that you receive the emailed receipt, please add cindy@ncwoa.com to your email address book.

PLEASE SEND APPLICATION AND PAYMENT TO:

Cindy Gall, NCWOA Controller
PO Box 4519
Emerald Isle, NC 28594
Phone: 252-764-2094
Fax: 252-764-2095
Email: cindy@ncwoa.com

.....
: Credit Card Payment :
: Cannot be Processed :
: Over the Phone :
:

NCWOA USE: Amount: _____ CK# _____ E S Processed: _____

Committee Members

2015-2016 Executive Committee

President

Julius Patrick
Greenville Utilities
Phone: (252) 551-1561
Email: patricje@guc.com

First Vice-President

Jeff Isley
City of Concord
Phone: (704) 920-5723
Email: isleyj@concordnc.gov

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OWASA
Phone: (919) 537-4232
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Secretary

Michelle Clements
The East Group
Phone: (252) 758-3746 x 131
Email: michelle.clements@eastgroup.com

Treasurer

Randy Hawkins
City of Charlotte – Franklin WTP
Phone: (704) 948-6954 x 224
Email: rhawkins@ci.charlotte.nc.us

Past President

Chris Smith
Fayetteville Public Works
Phone: (910) 223-4708
Email: chris.smith@faypwc.com

Chair – Board of Examiners

Pat Irwin
Currituck County
Phone: (252) 232-6061
Email: pat.irwin@currituckcountync.gov

Chair - Public Image

Leslie Carreiro
City of Asheville – North Fork WTP
Phone: (828) 271-6105
Email: lcarreiro@ashevillenc.gov

Chair – Nomination Committee

Sam Molinas
Broad River Water Authority
Phone: (828) 286-0731
Email: smolinas@ncbrwa.com

Chair – Western Section

Ray McCall
Phone: (828) 577-3156
Email: ray@ncwoa.com

Chair – North Piedmont Section

Steve Pope
Piedmont Triad Regional Water Authority
Phone: (336) 382-2373
Email: spope@ptrwa.org

Chair – South Piedmont Section

Paul Judge
PWS - MRO
Phone: (704) 235-2123
Email: paul.judge@ncdenr.gov

Chair – Southeast Section

James Merritt
Phone: 910-223-4710 x 4230
Email: james.merritt@faypwc.com

Chair – Northeast Section

Mike Houston
Jones County
Phone: (252) 448-8000 ext. 310
Email: mhouston@jonescountync.gov

Distribution Officer

Jeremy Godfrey
City of Asheville
Phone: (828) 259-5991
Email: jgodfrey@ashevillenc.gov

2015-2016 Committees

Finance Committee

Board Director: Randy Hawkins

Ricky Langley (Chair)
Randy Hawkins
Chris Smith
Ken Loflin
Julius Patrick
Jeff Isley

Professional Development Committees

Board Director: Jeff Isley

Seminars

Christyn Fertenbaugh (Chair)
Dana Hill
Howard Corey
Diane Williams
Tim Bishop
Seola Hill
Vance Brooks
Tony Mencome
Pam Moss
Allan O'Briant
Dail Booth

Lee Latham

Mike Ping
Kenny Neal
Carl Scharfe
David Lutz
Julia Cavalier
Kelley Wilber
Dyk Luben
Jeremy Godfrey

Annual Schools

Sandra Bradshaw (Co-Chair)
Mark Hahn (Co-Chair)
Lee Kiser
Chris Smith

Lab Analyst

Chris Goforth (Co-Chair)
Bernadine Wardlaw (Co-Chair)
Amy Watters (Co-Chair)
Jeff Isley
Sandra Bradshaw
Patricia Quinichett
Cindy Gall
Dustin Guyer
Chris Johnson
Steve Beale
Jesse Chadwick

Gina Kimble
Chris Johnson
Elizabeth Meyer

Board of Examiners

Pat Irwin (Chair)
Ricky Langley
Julius Patrick
Victor Quick
Heather Adams
Adam Waters
Mark Hahn
Chris Smith
Jay Van Hoose
Rani Holland
Tommy Overby
Randy Hawkins
Jeff Carlisle
Ken Loflin
Dail Booth
Paul Judge
Yama Jones
Patty Hall

Public Image Committees

Board Director: Leslie Carreiro

Member Services

Kathy Gatlin (Chair)
Pam Gibbons
Bessy Farmber
Julius Patrick
Steve Pope
Tom Boyd
Sam Molinas
Paul Judge
James Merritt
Mike Bell
Ray McCall
Ken Loflin
Jeremy Godfrey
Mike Houston
Chad Flanagan

Operator of the Year

Award
Chris Smith (Chair)
PWS Representative - Joey White
Russell Bateman

Leadership Committees

Board Director: Ken Loflin

Nominating

Sam Molinas (Chair)
Mike Houston
Paul Judge
James Merritt
Steve Pope
Ray McCall

Rules

Tommy Overby (Chair)
Mack Edmisten
James Fuller
Ricky Langley
Jay Van Hoose
Marty Wilson

Section Meetings

If your facility would be interested in hosting any of these meetings, please contact your section chair listed above. To see who you have been missing at the section meetings, check out the section meeting button on our website at www.ncwoa.com!

Northeast	Southeast	North Piedmont	South Piedmont	Western
2/11/16	1/21/16	2/18/16	3/24/16	3/17/16
4/14/16	4/21/16	5/24/16	6/23/16	5/12/16
6/9/16	8/4/16	8/18/16	8/10/16	6/30/16
8/11/16	10/12/16	10/19/16	10/20/16	10/6/16

Heather Cagle, Administrator
N.C. Waterworks Operators Association
PO Box 4519
Emerald Isle, NC 28594

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Important Phone Numbers & Websites

Main Phone # for Certification Board	919-707-9040	www.ncwater.org/?page=61
Jessica Godreau, PWS Section Chief	919-707-9078	
Linda Raynor, Compliance Services Branch	919-707-9095	
Robert Midgette, Operation Branch	919-707-9088	
Jay Frick, PWS – Protection & Enforcement Branch	919-707-9102	
Bethany Goodwin, PWS – Consumer Confidence Reports	919-707-9079	
Public Water Supply Offices:		www.deh.enr.state.nc.us/pws
<i>Central Office</i>	919-707-9100	
<i>Asheville</i>	828-296-4500	
<i>Mooresville</i>	704-663-1699	
<i>Winston-Salem</i>	336-776-9800	
<i>Raleigh</i>	919-791-4200	
<i>Fayetteville</i>	910-433-3300	
<i>Washington</i>	252-946-6481	
<i>Wilmington</i>	910-796-7215	
NC State Laboratory of Public Health	919-733-7308	
SDWA Hotline	800-426-4791	
EPA SDWA Website		www.epa.gov/safewater
EPA Microbial & DBP Data from Drinking Water Systems Website		www.epa.gov/enviro/html/icr
NC Waterworks Operators Association (NCWOA)	252-764-2094	www.ncwoa.com email: cindy@ncwoa.com
NC Rural Water Association	336-731-6963	www.ncrwa.com
NC AWWA-WEA	919-784-9030	www.ncsafewater.org

