



North Carolina Waterworks
Operators Association

GO WITH THE FLOW

Training Tomorrow's Water Professionals Today

July 2017
Volume 20, Number 3

Operator's Spotlight

A Conversation with

Gary Shelton

*Relief Operator for Greenville
Utilities Commission*

Gary Shelton says he is like most other water plant operators around the state of North Carolina; out looking for a full time job and getting hired as a water plant operator. That's exactly what happened to him back in November 1988 in the City of Wilson.

"I didn't know the difference between pH and turbidity back then, but I quickly learned," Shelton says. "I got tired of getting laid off. I had a chance at a couple of jobs and this job paid the least, but I wanted job security with some kind of state retirement."

Shelton says the City of Wilson had a water plant operator job posting at the Employment Security Commission and he applied because he felt it would offer the job security he wanted. He stayed in Wilson until June 2000 and decided to take a job opening at Greenville Utilities Commission (GUC). Shelton has been there for 17 years and is in the short rows to retirement with only three years to go. He says he is a "Jack of all trades" helping to run the operations at GUC, a water treatment plant at 21½ mgd and interconnects with Bethel, Farmville, and Winterville.

"Three of us oversee three operators making sure the water is as it should be and everybody is where they are supposed to be," he says about his day-to-day operations. "If anybody is out, we cover for them. We are also in charge of monthly reports and making sure they are correct and we look after remote sites. We have two elevated tanks which we check once a week."

Shelton has certifications in A Surface, A Well, C Distribution, and Class I Maintenance Tech. In 2004, he was voted as Operator of the Year for the North Carolina Waterworks Operators Association (NCWOA). He says NCWOA has been helpful for him and his career because it is such a hands-on organization.

"I am a hands on kind of guy and it gives me those opportunities," he says. "You can get out into other plants and really see how things work."

With retirement just three short years away Shelton has some plans in place, one of which will include, he hopes, staying in the water industry as a part-timer. He says he will continue to ride his Harley Davidson motorcycle, keep target shooting, and attend as many tractor pulls and drag races he can. He is also toying with the idea of going to school to become a gunsmith.

"I do minor stuff now, but I want to get into the machine side of it," he says. "It takes a lifetime to become a true gunsmith."

He says his family owns a farm and after retirement that is where most of his days will be spent, enjoying the peace that is there and the Contentnea Creek that runs out back.

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 website!

www.ncwoa.com

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Operator's Spotlight

A Conversation with Neil Carpenter Leaving a Legacy

By Ray McCall

Neil Carpenter is the District Manager of the Maggie Valley Sanitary District (MVSD) and a lifelong resident of Haywood County in Western North Carolina. Maggie Valley lies in the northwest corner of the county just south of the Cataloochee Ski area and close to the Cherokee Indian Reservation. Maggie Valley is home to the famous, Stomping Grounds and The Wheels Through Time Museum which has over 300 rare vintage motorcycles and the former home of Ghost Town in the Sky, which makes for a visitor friendly area. The District has 3800 meters serving approximately 9300 people.

Neil has worked at the MVSD for 27 years, starting out in 1990 as an operator trainee at the (then) 1.5 MGD surface water treatment plant and as a distribution system operator. He quickly rose through the ranks and received his A-Surface license as a water treatment operator in the minimum time frame. Today, as the manager, he works alongside 6 operators and 3 office personnel. The entire staff acts as if they are all one big happy family, wherein everyone is friendly and helpful (not only to their customers), but to whomever may enter their door. That is a common trait of the people of Haywood County.



Neil has helped to develop a well-trained and very professional staff.

In the late 90's, the former manager Tom Whittle decided to step down and recommended that the district's board appoint Neil as the new manager. At the time, the board was considering major projects to upgrade and expand the water treatment plant to 3.0 MGD and to rehabilitate all the main trunk lines in the distribution system. Of course, the board felt Neil was the man for the job and Tom stayed on to assist in whatever way he was needed.

Unfortunately, not long after Neil became the manager, the business office and main parts storage building was burned almost to the ground by a fire caused by lightning during a horrific summer storm. Neil and his staff worked diligently to recover all the district's historical records, much needed equipment, and parts not totally damaged in the fire. That event set off a firestorm of improvements at Maggie Valley, which now has a new modern office complex, new water treatment plant, and successful replacement of all the main transmission lines in the distribution system.

Another important need arose and the district installed a state of the art SCADA system to monitor and operate the many booster pumping stations and water storage tanks throughout this very mountainous terrain. Before the SCADA system was installed, the operators would have to drive sometimes twice per day to check on pump operations and water tank levels. When water main breaks occurred, one or even two operators would spend most of the day running back and forth up the mountain checking to see what stations were operating. Sometimes, just getting to those stations was a daunting task, especially during severe weather events or during one of the frequent winter snow storm events. Today, the operator on duty can simply click the mouse on 10 booster pumping stations and 12 water tank sites and immediately know what the status is.

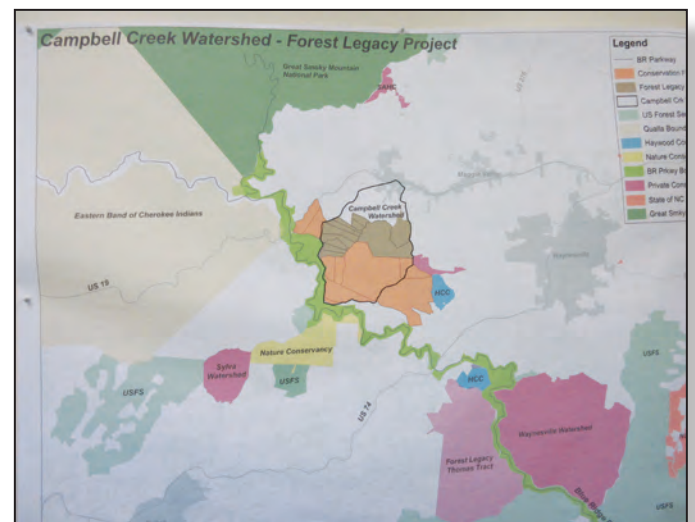
When Neil took over the system there were other long neglected problems and one of those was water loss due to



leakage or water not being accounted for. The rate was a staggering 57% of water produced per day. After years of repairing leaks, replacing mains, and installing new meters, the District now has a loss water rate of 16%. Pretty good for a water system that next year will be 50 years old.

Neil has also been very active with the NC Rural Water Association and with NCWOA. He served as President of NCRWA from 2013-2015 and is now the association's Treasurer. He and his staff are active with NCWOA, having hosted many training and section meetings over the years. All of the staff are both members of NCRWA and NCWOA. In 2000, Neil was recognized with the J.A. Younts Award from the NCRWA and the Maggie Valley WTP and staff have received several AWOP awards from the NC DEQ for meeting excellent turbidity and microbial removal at their plant.

When asked what was on his "bucket list," he quickly began talking about the district's, Balsam Range Legacy Project or simply called, the Forest Legacy Project. This project is a joint effort by the MVSD and the NC Land Conservancy Group to place all of the Campbell's Creek Watershed in



Forest Legacy Project

protected trust and conservancy. As of this writing, 6,109 acres have been preserved with some 455 acres under research or in acquisition efforts. This watershed extends from the base of Maggie Valley to the ridgeline which meets the Blue Ridge Parkway to the south along what is called the Balsam Range of Haywood County. Campbell's

future. He also wishes to return to Israel which he visited some years ago on a church group trip to Mount Masada.

It is pretty easy to see that Neil is totally invested in his home community, county

his co-workers at the district office. Be prepared to stay a while, because you



Campbell's Creek Watershed



Campbell's Creek - Maggie Valley

and state. If you are ever in Maggie Valley, stop in to see Neil and

will be enlightened by the friendliness you will receive and you will also see some beautiful area there in the place, "Where the Blue Ridge Meets the Smokey Mountains."

Creek along with Jonathan's Creek are the two main supplies of water to the district. Jonathan's Creek is under consideration as a wildlife refuge area which would place much needed protection of the elk population along its corridor as well as other wildlife species. The district is working in partnership with the NC Wildlife Commission in support of this designation. When talking with Neil about these projects, it is clear that they have become his "personal legacy." Something that he sees as a lifetime achievement, not only for him but his staff and all of the people of Haywood County.

Of course on the personal side Neil and his wife Cindy, along with their two grown children are very active in their community and home church. They truly enjoy family and friends and as you would expect, they have never seen a stranger as they say in the mountains. Neil enjoys fly fishing and deer hunting and an occasional round of golf. He does aspire to travel out west and to do some hunting and fishing there in the

CMT Gives Back

Year	Project	Amount
2013	Burnsville water tank	\$57k
2014	Dobson pipe gallery	\$36k
2015	Marshall water tank	\$45k
2016	St Pauls chlorine contact chamber	\$47k
2017	Valdeuse flume	\$50k

CMT GIVES BACK

Since 2013, the CMT Gives Back Program annually identifies the **most deserving NC community** to complete a significant **water or wastewater infrastructure rehabilitation** project as a gift to the municipality and its citizens. The **2018** recipient will receive CMT's high quality rehabilitation services worth \$50,000.

Applications will be accepted June 1 - August 31, 2017.

Visit CMTcoatings.com for information on eligibility, how to apply and view results of past recipients.
336-431-7708

CMT
Carolina Management Team
Coatings and Concrete Repair

NEW FOR 2018!

- NCWOA is proud to offer free CEU water training to all NCWOA members for 2018 at Section Meetings.
- NCWOA Sections will host three, 4-hour training day meetings broken into two, 2-hour segments with lunch included.
- Section training will offer flexible training that will be more operation focused, flexible, and hands-on allowing plant and distribution operators to obtain 6 hours of CEU's FREE as an active NCWOA member (membership fee will increase to \$40).
- Each section will have a representative on the Training Committee which will assist with maintaining a local section knowledge and input as to the desired training needs for the section.
- NCWOA's new training approach is being designed to increase local participation and involvement of the operators in keeping training up-to-date, interesting, locally focused, and current to the needs of plant and distribution operation.
- In addition, to help you plan your training, we will be printing the year's section meetings schedule complete with agenda & locations, thus allowing the operator to plan their training schedule in advance.
- Not a member? Join for 2018 for \$40 & get your free drinking water/distribution training or discounts on any of our dual credit classes or schools.

Tom Flowers Award

The Southeast Section has an award that is unique to the section, the Tom Flowers Award. It is usually given annually to someone in the section that has gone "above and beyond the call" in supporting the section. This award normally goes to an operator or supervisor, but can be given to anyone in the section that fits the requirements.

At the April 20 meeting, held at the City of Sanford Water Treatment Facility, the Southeast Section was very pleased to bestow this award to Cindy Gall. Cindy's long association with NCWOA and her dedication in helping all of the sections is well-known to everyone!

The Southeast Section is happy to recognize her in this small way. Thank you so much Cindy!

Frank Efird - Southeast Section Chair



Special Award of Merit

****Omitted from the 2016 Year In Review**

NCWOA was very impressed by his enthusiasm from the very first meeting. With the same sense of pride and excitement about what he does every day at his workplace, he has been eager to learn about the Association and become an active member. He is well diversified and exemplifies what a leader should be.

In such a short stint with the Association, he coordinated his very first seminar and received very high marks, (4.5 out of 5). Of course due to the recipient's humbling nature, he credited the team for the success.

The Association needed a water system article in the GWTF at the last minute; this person did not hesitate to step up to the challenge. He authored an excellent article on his water systems upgrades in the April 2016 edition of the GWTF.

This person is always willing to do whatever is needed and brings a high level of knowledge to the Board. Members look to him for his advice in his field of expertise. He is well diversified and exemplifies what a leader should be.

He began his career in 1997 as a Pipe Fitter and has held the following positions at the same utility: Crew leader, Meter Technician, and Trades Worker. Currently he is the Labor Crew Coordinator for Special Projects.



*Jeremy Godfrey
City of Asheville*



*Michelle Clements
The East Group*

Other than the President this person has the hardest job on the Board. Their work is always critiqued so it always has to meet high standards and she has not ever had any problem delivering.

She brings a fresh perspective to meetings as she is employed by a private consultant firm so we look to her for advice when making decisions that may impact our sponsors.

You would think she was an operator while talking with her because of all her knowledge about water treatment especially well systems. Her background includes water treatment and distribution systems, wastewater collection, storm water treatment and management, site development and planning, roadways and streets design, and environmental permitting. She is always courteous and always sparks conversation of interest on water related topics.

A graduate of North Carolina State University, Michelle is a member of the American Society of Civil Engineers, the Water Environment Federation, the North Carolina Rural Water Association, as well as our very own North Carolina Waterworks Operators Association.

She is a registered Professional Engineer with a current position as a Civil Engineering Team Leader for 21 years.

Field to Lab to Process Testing for Chlorine and Turbidity

This workshop is designed to teach proper analytical techniques for systems using chlorine for disinfection. Analytical technologies covered in the workshop will be colorimetry analysis for chlorine using the Pocket Colorimeter II, DR900 colorimeter, and DR1900 spectrophotometer for field and lab testing; and CL17 and CLT10 for process testing. Technology covered for turbidity will be 2100Q, TL23, and TU5200 for lab analysis, and 1720E and TU5400 for process testing.

Test parameters analyzed will be free chlorine, total chlorine, and turbidity. An ultra-low range chlorine procedure will be demonstrated with a DR1900 and a pour-thru cell. The course objectives will be met by presenting test theory, incorporating practical applications of analytical techniques with "hands-on" experience with test systems. Students are required to analyze water samples of known and unknown values. Attendees have the option to bring their own instrument to class.



8:00 - 8:30	Registration and Introduction	11:15 - 11:45	Process Analyzers for Chlorine Analysis CL17 CLT10
8:30 - 9:00	Basics of Colorimetry		
9:00 - 9:30	Introduction to Chlorine Monitoring Forms of chlorine, GLP, Sampling, Reagent Care, Interferences	11:45 - 12:15	Hands-on Lab (3) Verification of CL17 Process Instrumentation
9:30 - 10:00	Introduction to the Instrumentation Introduction to operations of lab instrumentation Procedure differences between HR, LR, ULR	12:15 - 1:00	Lunch
10:00 - 10:15	Break	1:00 - 1:30	Introduction to Turbidity Lab instrumentation
10:15 - 10:30	Hands-on Lab (1) Total chlorine test on unknown and comparison of results	1:30 - 2:00	Hands-on Lab (4) Lab instrumentation
10:30 - 11:15	Hands-on Lab (2) Verification of the Function of the Instrumentation Primary standard Chlorine standard vs permanganate Spike primary standard Secondary Standards Recall stored values	2:00 - 2:15	Break
		2:15 - 3:00	New EPA Turbidity Methods TU5 series Instrumentation
		3:00 - 3:30	Hands-on Lab (5) TU5 Series Lab and Process
		3:30 - 3:45	Final questions and Conclusion

**Hands-On
Training**

Registration form for Field to Lab to Process Testing for Chlorine and Turbidity

Please Print or Type – This class is worth 6 contact hours for DW &/or WW Certifications

NAME (First, Middle, Last): _____ Nickname (For Tag) _____
 SOCIAL SECURITY #: XXX-XX-_____ EMPLOYER: _____
 MAILING ADDRESS _____
 CITY: _____ COUNTY: _____ STATE: _____ ZIP: _____
 WORK PHONE: _____ Ext: _____ FAX: _____ EMAIL: _____
 NC WATER TREATMENT CERTIFICATE TYPE: ___AS ___BS ___CS ___AW ___BW ___CW ___DW ___AD ___BD ___CD ___DD ___CC/BF ___None
 NC WATER TREATMENT CERTIFICATE # (OPERATOR ID #): _____ NCWOA MEMBER # : _____
 WASTEWATER CERTIFICATION # _____

Cost & Location - Place a check next to the seminar location where you would like to attend. Applications must be received by July 11.

Cost: \$180.00 Locations: ___ July 25, 2017 – Randleman ___ July 26, 2017 – Wilson

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 and by the Wastewater Commission for Wastewater continuing education 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 Comptroller
 PO Box 4519, Emerald Isle, NC 28594
 Phone: 252-764-2094 ext. 2 Fax: 252-764-2095
 Email: cindy@ncwoa.com

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

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 NCWTFOCB for treatment and distribution operators. Some 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 contact hours. Please see each individual seminar agenda or description for details. Registration form is available on page 9. Seminar agendas and locations are tentative and may be subject to change.

Water Quality Monitoring & Data Analysis from Source to Tap

August 3, 2017 in Eden and December 7, 2017 in Wilmington

8:00 - 8:30	Registration & Welcome	11:45 - 12:45	Lunch (provided on-site)
8:30 - 9:15	Source Water Issues: Groundwater & Surface Water (Typical issues, Chloride & Bromide, Iron & Sulfur Bacteria, Taste & Odor, Brain-eating Amoeba)	12:45 - 1:30	Source Water Monitoring - What's In My Raw Water?
9:15 - 10:00	Groundwater Treatment (Typical issues, Chloride, Bromide, TOC)	1:30 - 2:15	Treatment Plant = Lab & Process Monitoring Tools
10:00 - 10:15	Break	2:15 - 2:30	Break
10:15 - 11:00	Surface Water Treatment (Typical issues, Bromide, TOC, Corrosion Control)	2:30 - 3:15	Distribution System = Water Quality Monitoring
11:00 - 11:45	Distribution (HPC's, Tank Mixing, Flushing, Lead & Copper)	3:15 - 4:00	Turning Data into Knowledge - Reports, Optimization, & Troubleshooting
		4:00	6 Contact hours for all DRINKING WATER certifications

Pumps & Distribution

August 24, 2017 in Nags Head

8:00 - 8:30	Registration & Welcome	11:45 - 12:45	Lunch Provided On-site
8:30 - 9:15	Regulatory Update from PWSS	12:45 - 1:30	Distribution Valve Maintenance
9:15 - 9:45	Selection & Maintenance of Chemical Feed Pumps	1:30 - 2:15	Working with Your Fire Dept. to Manage Water Age
9:45 - 10:15	Maintenance of High Service Pumps	2:15 - 2:30	Break
10:15 - 10:30	Break	2:30 - 3:15	Planning Distribution System Flushing
10:30 - 11:00	Pump Management & Pressure Strategies (Fixed Motors vs. VFDs)	3:15 - 4:00	Pressure Zone Management
11:00 - 11:45	Assessment of Plant & Source for Coliform	4:00	6 Contact hours for all DRINKING WATER certifications

Fall Certification School

September 25-29, 2017 at the McKimmon Center in Raleigh

Brochures coming soon

For more information check our website at www.ncwoa.com

Plan for the Future! Emergency Preparedness & Alternative Technologies - Advanced Day 2017

September 27, 2017 in Raleigh

(Registration will be in Fall School Brochure)

Optimized Treatment: It Takes A Team

October 17, 2017 in Greensboro

6 Contact hours for all DRINKING WATER and WASTEWATER certifications -- **Agenda coming soon**

Water & Wastewater - Keeping it in the Pipes

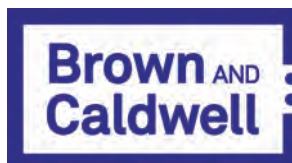
November 2, 2017 in Wilson

8:00 - 8:30	Registration & Welcome	12:45 - 1:45	Public Relations - Flushing, Fats, Oils, & Grease and other Customer Notifications
8:30 - 9:30	NC-811 Update & Law Changes	1:45 - 2:45	Valves Installation & Maintenance - Water Lines & Force Mains
9:30 - 10:30	Sewer Main & Water Main Repair	2:45 - 3:00	Break
10:30 - 10:45	Break	3:00 - 4:00	Safety in the Utility Field
10:45 - 11:45	Water & Wastewater Pump Maintenance & Repairs	4:00	6 Contact hours for all DRINKING WATER and WASTEWATER certifications
11:45 - 12:45	Lunch Provided On-site		

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Jack Moore & Associates, Inc.



Interested in sponsorship?

Please contact:

Leslie Carreiro, Public Image Committee (828) 271-6105 Email: lcarreiro@ashevillenc.gov

Kathy Gatlin Current, Public Image Committee (704) 996-7825 Email: Kathy.Current@univarusa.com

Heather Cagle, NCWOA Administrator (252) 764-2094 ext. 1 Email: heather@ncwoa.com

or check our website at www.ncwoa.com

Additional NCWOA Sponsored Training

Bacteriological Methods Workshop
July 25-27, 2017
November 1-3
Contact Michelle Rufus, (919) 733-7186

Process Control
August 15-18, 2017
Contact Michelle Rufus, (919) 733-7186

Math Review
Contact JD Monroe, (910) 947-5784

NCWOA Fall School
Sept. 25-29, 2017 in Raleigh
A, B, & C Surface
A, B & C Well
Advanced Day, Sept. 27, 2017
Brochures coming in July

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 \$70.00 (Must put your INDIVIDUAL NCWOA membership number on the line above to qualify)

NON-MEMBER PRICE IS \$115.00 (Free 2017 & 2018 NCWOA membership included in this price.)

Water Quality Monitoring & Data Analysis from Source to Tap - August 3, 2017 in Eden	Cost \$ _____
Pumps & Distribution - August 24, 2017 in Nags Head	Cost \$ _____
^Optimized Treatment: It Takes A Team - October 17, 2017 in Greensboro	Cost \$ _____
^Water & Wastewater - Keeping it in the Pipes - November 2, 2017 in Wilson	Cost \$ _____
Water Quality Monitoring & Data Analysis from Source to Tap - December 7, 2017 in Wilmington	Cost \$ _____

Registration information for future seminars will be available in the October 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.

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

PLEASE SEND APPLICATION AND PAYMENT TO:

Cindy Gall, NCWOA Comptroller
PO Box 4519
Emerald Isle, NC 28594
Phone: 252-764-2094 ext. 2
Fax: 252-764-2095
Email: cindy@ncwoa.com

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

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 MEMBERSHIP APPLICATION – ANNUAL DUES ARE \$25.00 FOR 2017
ANNUAL DUES ARE \$40.00 FOR 2018 (see page 4 for details)

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? _____

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 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: _____

Committee Members

2016-2017 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

Second-Vice President

Ken Loflin
OWASA
Phone: (919) 537-4232
Email: kloflin@owasa.org

Secretary

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

Treasurer

Randy Hawkins
Catawba River WTP
Phone: (803) 286-5957
Email: rhawkins@crwtp.org

Past President

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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

Tena Mullis
City of Concord
Phone: (704) 920-5163
Email: mullistm@concordnc.gov

Chair – Southeast Section

Frank Efird
Smithfield Packing
Phone: (910) 785-5099
Email: frankefird@hotmail.com or frank.efird@sf-fl.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

2016-2017 Committees

Finance Committee

Board Director: Chris Smith

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

Professional Development Committees

Board Director: Jeff Isley

Seminars

Christyn Fertenbaugh (Co-Chair)
Brad Whitman (Co-Chair)
Jeremy Godfrey (Dist.)
Dana Hill
Seola Hill
Pam Moss
Tim Bishop
Vance Brooks
Tony Mencome
Allan O'Briant
Dail Booth

Lee Latham

Dyk Luben
Julia Cavalier
Carl Scharfe

Annual Schools

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

Lab Analyst

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

Elizabeth Meyer
Michele Andrews
David Livingston

Board of Examiners

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

Public Image Committees

Board Director: Leslie Carreiro

Member Services

Kathy Gattlin (Chair)
Pam Gibbons
Bessy Farmber
Julius Patrick
Steve Pope
Tom Boyd
Sam Molinas
Tena Mullis
Frank Efird
Mike Bell
Ray McCall
Ken Loflin
Jeremy Godfrey
Mike Houston
Chad Flanagan

Operator of the Year

Award
Chris Smith (Chair)
PWS Representative - Joey White
Randy Hawkins

Leadership Committees

Board Director: Ken Loflin

Nominating

Sam Molinas (Chair)
Mike Houston
Tena Mullis
Frank Efird
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
8/10/17 - Elizabeth City	8/9/17	8/16/17	8/31/17	8/23/17 - Weaverville
10/12/17 - Eastern Pines	10/11/17	10/19/17	10/18/17	10/25/17 - Spruce Pine

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

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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: heather@ncwoa.com
NC Rural Water Association	336-731-6963	www.ncrwa.com
NC AWWA-WEA	919-784-9030	www.ncsafewater.org

