



North Carolina Waterworks
Operators Association

GO WITH THE FLOW

Training Tomorrow's Water Professionals Today

August 2022
Volume 25, Number 2

Operator Spotlight

A Conversation with Brandon Burleson

Brandon Burleson is an A-Surface operator for Greenville Utilities Commission (GUC). He has been with GUC for two years. Brandon's duties include making plant rounds, checking process monitoring, checking chemical feed rates, and lab work, including "a whole lot of Quantitrays". Other duties include checking ozone, operating the SCADA system,

backwashing filters, cleaning, basin cleaning, etc.

Before Brandon got in the water industry, he was into cooking. He took culinary school right out of high school, at Central Piedmont Community College, "Because restaurant work was all I'd ever done. My parents told me I needed to get a job." Brandon started working at 14 ½, bussing tables and washing dishes and he realized he really liked cooking. He went to culinary school and cooked for about 10 years, but he decided he wanted something different. He wasn't sure he wanted to cook for the rest of his life for a career. Brandon says, "It just so happened, one of my old co-

workers that I worked with in the restaurant industry had become a treatment plant operator for the City of Albemarle, where I used to live. So now he's the ORC there." The friend asked if Brandon would be interested

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). 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

If you would like to nominate an operator for a spotlight article please contact Heather Cagle at heather@ncwoa.com.



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in water treatment. Brandon didn't know what was involved, but he applied and got the job with the City of Albemarle, as a treatment plant operator for their surface plant. (Rated 12 MGD, 4 MGD normally). Brandon was there for almost 3 years. While he was there, he obtained his C- and B-Surface operators licenses, as well as a pesticide license. But after Brandon got married and enjoyed having his honeymoon at Ocracoke, he and his wife wanted to move to eastern North Carolina, to be closer to the ocean. His wife, a nurse, got a job out there first. "It just so happened that I landed a job for Carolina Water Service after that." While there, Brandon obtained his Grade 1 wastewater license. He liked his job with Carolina Water, but they weren't part of the State retirement system, so he wasn't getting a pension. Brandon left after 6 months and got a job with GUC. In addition to being part of the State retirement system, he likes the fact that Greenville has wells, as well as surface water, so he could obtain dual certifications. Brandon currently

lives in New Bern and commutes to Greenville, but "it's definitely not a bad drive."

When Brandon started working at Greenville, he was only working 30 hours a week, but he did get health insurance. It wasn't long before Brandon was offered a full-time position as a Water Quality Technician, which involved flushing hydrants, checking free-flowing taps and autoflushers, and monitoring the system. While in that position, Brandon obtained his C- and B-Distribution and C-Well licenses. Eventually, someone retired at Brandon's water plant and Brandon moved into that full-time position and obtained his A-Surface certification. Impressively, Brandon has obtained all of these certifications, while only being in the water industry for 5 years



Brandon's water plant schedule has shift rotation, which he likes. The schedule is two weeks on days, then two weeks on nights, with every other weekend off. Brandon says, "It's a pretty good schedule, because it gives you time off to do stuff during the week." Brandon likes the fact that, with rotating shifts, all operators get trained on things they wouldn't get trained on, if they always worked the same shift.

Operator Spotlight

A Conversation with NCWOA President, Sam Molinas

In December of this year, Sam Molinas will retire from his position as an operator at the Broad River Water Treatment Plant. Sam has been in the water industry for 34 years, but he didn't start his career in the water field. In 1984, and prior to working in the water industry, Sam started working as a lineman for Duke Power. Sam claims he got into the water industry because he was "a terrible lineman." He claims he wasn't the best lineman and didn't like climbing that much. "I had a few instances where I

cut out and came down the pole." At some point, one of his co-workers suggested Sam apply at the water plant, which Duke Power also owned. Sam applied for the job in April, 1984 and was hired. Around the year 2000, Broad River Water Authority bought the water plant from Duke Power, and Sam has been with Broad River ever since. He obtained his A-Surface certification in 3 years. The official population for Sam's water plant is just under 16,000,



but Sam notes that their situation is unique, in a couple of ways. For one, their biggest customers are wholesale customers. Out of the 7 MGD the Broad River water plant produces in the sum-

mer, about 5 MGD goes to two systems in South Carolina: IMMI Campobello and Grassy Pond. Another somewhat unique thing about the plant is their source water is excellent, so they don't have many treatment problems. Sam explains, "Really, our plant runs so good. We don't have any of the issues (that other plants have). Our water is virtually pristine. You couldn't ask for a better source. There's nothing above us that would cause our water quality to be (of lesser quality)." The only interesting problem Sam remembers is once when there was a drought, the staff got out in the river and checked flows with a little rubber ball. "We didn't have any other good way to measure stream flow at the time. Now we use USGS and we can calculate the flow."

Sam says the best part of his job has been the people and the various duties of his work (compliance testing, distribution, record keeping, etc.). But "It's harder now that I'm winding down, to see someone else doing it, when I would rather be doing it myself." But Sam turns 66 in October, "So it's time (to let the younger employees have the work)." Two other employees will be leaving by next March, so there will be very little experience left at the plant. There are four new operators at Sam's plant now. "That hasn't happened in 33 years." The mass exodus of operators doesn't concern him a lot, but the learning curve for the new operators does. Sam says, "They're going to make mistakes and you just hope that the people that are left can handle it. (But) if you don't mess up, you don't learn."

Sam's most memorable moment during his years as an operator was also a teaching moment for him. "I guess my only memorable moment was the day I lost the floc. The day I lost the floc was the day I learned I got my C license. We had a rain event. There were a lot of circumstanc-

es. We had gone to a different flash mixer and the chemicals didn't have enough time to mix before it got into the flash mixer. I think we got four inches of rain in an hour. The turbidity jumped from 14 (NTU) to 270 in two hours. I learned a lesson right there. It wasn't that I didn't do all the right steps. There was a little chart we go by and I was right on the chart and the operator that followed me said, 'No, you don't go by that chart. You need to be two steps above that.' So, I learned a lesson. They wasted water that night."

Sam claims he got involved with NCWOA "purely by accident." Someone asked his boss to be the vice chair of his section, but his boss didn't want to do it and asked Sam if he would like to. Sam agreed, but when Sam became the vice chair, Ray McCall (the section chair) was planning to take the NCWOA Educator position, so Sam "went from nothing to section chair."



Sam is enjoying his new position as NCWOA President. "We've got a good staff. A few changes coming down the line. It will be interesting to see how those go. I enjoy my time with NCWOA. I



think it's a good organization. I just hope that we can improve on it. I hope that we see the younger generation take to water and some of the changes cause people to want to come into the industry." Sam feels that finding volunteers is a problem for the industry as a whole, "but particularly for us (NCWOA), because we count on volunteers. All of the people we used to count on to volunteer have retired." Another problem is there are places that are short staffed, "and they can't afford to let people leave the plant to do volunteer work."

After Sam retires, he has a few things to keep him busy: finish working on his house (a couple of bathrooms that need to be remodeled). He loves to sing and sings in a community choir for the county Rotary Club. He will continue to learn to play the hammered dulcimer. He also needs to do some work on his son's house nearby, "So, I'll stay busy." (Sam has two sons, one in Rutherford County and one in Raleigh. The youngest one is 29.) Sam also loves to take pictures, preferably of nature (waterfalls). And of course, Sam will still be involved with NCWOA.

Congratulations on your upcoming retirement, Sam!

Greenville Utilities Acquire Bethel's Water System

In 2020, Greenville Utilities Commission (GUC) was approached by the Town of Bethel to request GUC consider acquiring Bethel's water and wastewater systems. Bethel was designated as a distressed system by the State. Bethel was trying to support a system of 750 customers, which they found difficult to do financially, due to needed upgrades to water and wastewater systems and meeting their financial obligations from debt incurred for previous projects. GUC was approached when Bethel's administration started looking into the feasibility of having its water and wastewater systems taken over.

GUC staff began with an assessment on Bethel's system, identifying deficiencies, identifying a budget, and determining what it would take to bring Bethel's water system up to GUC standards. Bethel only had three people to operate the water system, so they all had to be Jacks of all trades, including keeping up the cemeteries and cleaning up road debris. Most of Bethel's water mains were replaced with PVC back in 2010, so they were only about 12 years old; however, several hydrants had not been maintained and were inoperable. Also, several valves were found to be closed, which was affecting water quality. Additionally, Bethel has a large water storage tank, which would have taken two or three days to turn over and a small number of customers.

In May 2020, Bethel and GUC entered into a memorandum of understanding and in July 2020, GUC staff began a full assessment of Bethel's water system. Every valve and hydrant in their system was inspected. GUC had to identify Bethel's existing compliance sample locations and install new sample stations. One of Bethel's previous coliform sample sites was at a sewer pump station, and it was a pipe sticking out beside the pump station. Approval was obtained from DEQ to move all of Bethel's sample sites to the sample stations. The State was very supportive of GUC taking over Bethel's water system. They provided a lot of resources and answered questions as they were presented. GUC changed Bethel's MRT sites and compliance sites to make them more representative of the system. During the assessment period, Bethel was still responsible for compliance, but GUC came in and helped them out.

Although Bethel's prior water source was from their wells, GUC already had an existing interconnect with Bethel and they were purchasing about 55,000 gallons of water each day from GUC. Chad Flannigan is a GUC Water Treatment Plant Laboratory Manager, and he has been with GUC for 10 years. Chad explains that GUC did not want to operate Bethel's well. "We wanted to put them fully on surface water from our plant. So, we had to operate their system during the assessment period solely off of Greenville Utilities water, from our surface water treatment plant, in order to prove that we can accomplish this." We proved that we could do that. We identified some things we could do to improve residuals in their system and improve water quality." GUC also installed five auto flushers.

On July 1, 2021, GUC fully took over Bethel's water system. At that point, Bethel's staff were not involved in the operation of the systems. GUC transitioned the locks to match others in their system. Improvements are still ongoing. One of Bethel's wells has been temporarily abandoned and the other well has been deemed Emergency Use Only. It's currently in the process of getting rehabbed. This well is on the site of the storage tank. When the well project is completed, staff will be able to utilize their chlorine and ammonia at the well site and boost the residuals in the tank. GUC also plans to install a tank mixer. Bethel received about \$4.5 million in funding from Viable Utility Reserve grants, which is being managed by GUC to rehab the well site, install a second interconnect with GUC, upgrade the water meters to enable AMR, replace 1500 ft. of galvanized pipe on the water side, replace two wastewater pumping stations, repair existing collection system and rehab manholes. Grant money was provided for both the water side and the sewer side.

GUC uses surface water as its source, with several wells as emergency backup. Most of GUC's wells are temporarily abandoned due to high fluoride levels. At one time, GUC had 8 deep wells, 3 of which were tied into an industrial park system with an elevated tank, which was taken down 3 months ago. Two of the other 5 wells are temporarily abandoned due to fluoride levels above the MCL. So now they only have 3 wells they can currently use. GUC produces about 15 MGD. Bethel gets about 300,000 gallons of that each day.

Due to GUC's size and resources, they were able to lower Bethel's water bills. Bethel residents are still paying off the loans, but at a lower rate, so their bills are lower. Bethel was already pumping sewer to GUC, but their lines had a lot of infiltration when

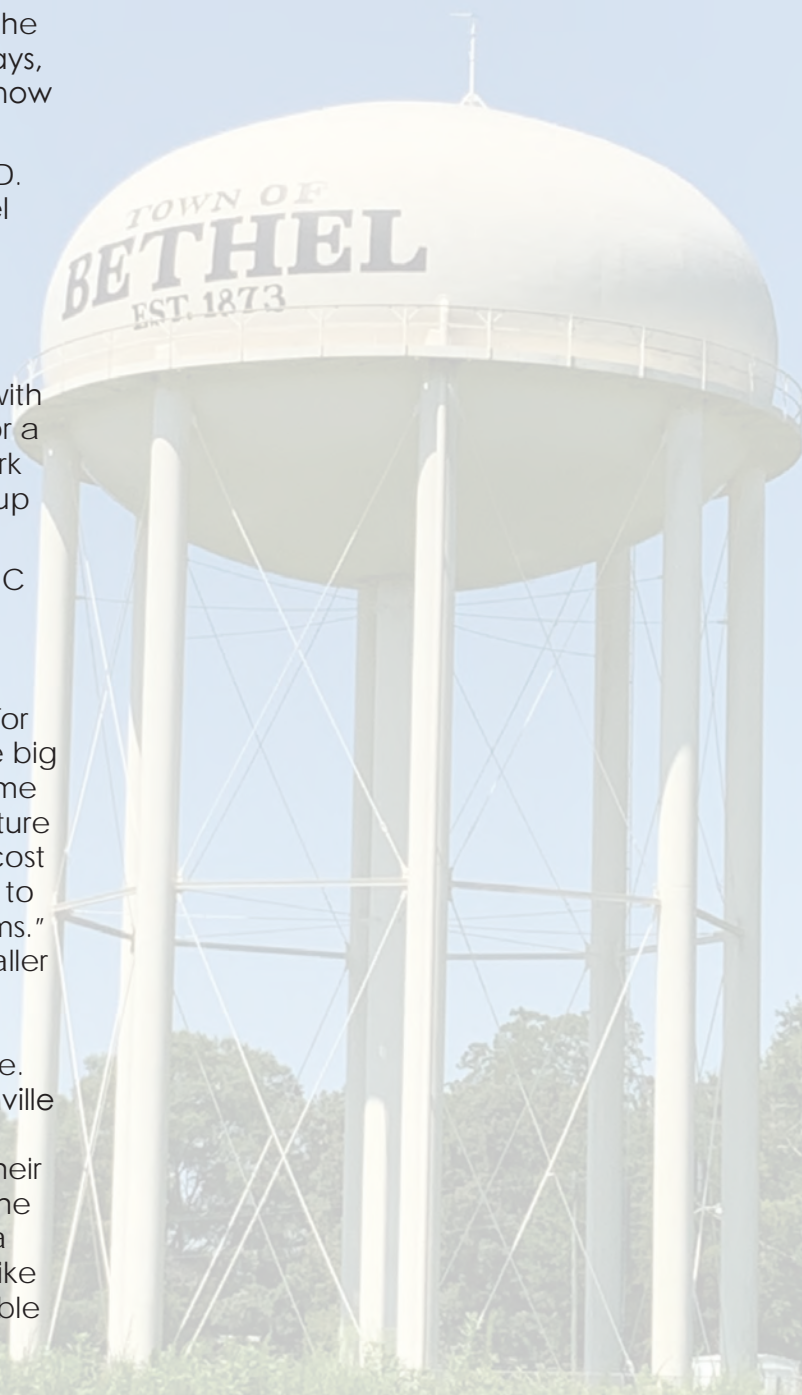
there are heavy rains, so it was costing them a lot. So GUC also assessed the sewer system, to get it up to their standards.

There wasn't any opposition from Bethel residents about being taken over. Everything was a positive to them: lower bills, better water quality, and better service. Initially, there may have been a little opposition, but once they started seeing the benefits, everyone was appreciative. Chad says, "We've been stopped several times and told how much they appreciate us coming in there."

GUC kept Bethel as a separate water system ID. Due to backflow prevention, water from Bethel cannot flow back into the GUC system. GUC is also adding an additional interconnect with Bethel, for redundancy.

Of the three Bethel employees, all three were offered the opportunity to apply for positions with GUC. The one that was the ORC left to work for a private water company. The other two still work for Bethel, doing street maintenance, picking up debris, etc.

Chad believes the project is a win – win for GUC and for the residents of the Town of Bethel. "It was a lot of legwork initially, but once we got some things taken care of, it's been good. It's been good for the customers. It's been good for Greenville Utilities. Regionalization is kind of the big thing now. I think that smaller systems face some challenges with raising rates and projecting future rate increases, especially nowadays with the cost of everything going up, and have a tendency to get into trouble a lot quicker than larger systems." When emergency repairs are needed in a smaller system, the system may not have the tools or employees to do the work, and thus have to contract out the work, which can be expensive. Chad adds, "When an organization like Greenville Utilities steps in, we have those resources, we have the tools, we have the employees and their experience that we can utilize. The safety of the customers and providing a good product, at a good price, is what we're all about. So, I feel like this can aid small systems a lot, if they're not able to keep up."



NCWOA Upcoming Workshops & Training Events

(tentative schedule and could be subject to change)

All NCWOA seminars listed on pages 6 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. Seminar agendas and locations are tentative and may be subject to change.

Fall Certification School - A,B,C Surface and A,B,C Well September 26-30

McKimmon Center - Raleigh, NC

Advanced Day - September 28

Exhibit Hall open from 7:45am - 4:00pm - Breakfast 7:45am-8:30am

Emerging Issues for the Water Industry

Session 1

9:00am – 9:30am Certification Board Update

9:30am – 10:30am Financial Considerations/Funding

Exhibit Hall Break/Networking: 10:30 - 11:00

Session 2

11:00am – 12:30pm Lead & Copper Update

Awards Banquet Luncheon – Provided on Site 12:30 – 1:30

Session 3

1:30pm – 2:30pm UCMR 5 Overview

2:30pm – 3:00pm PFOS/PFAS - Emerging Contaminants & Techniques

Exhibit Hall Break/Networking: 3:00 – 3:30

Session 4

3:30pm – 4:00pm PFOS/PFAS - Emerging Contaminants & Techniques (continued)

4:00pm – 5:00pm Gen X - What is CFPUA doing for the Future?

This class has been pre-approved for 6 contact hours for drinking water and wastewater certification. Agenda is tentative and could be subject to change.

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

**We will be offering 25
Advanced Day virtual
seats. Virtual training
requirements apply.**

**MAX 25 virtual seats
MIN 5 virtual seats**

Continuing Education

We are continuously working on our training calendar for 2022 and starting to plan for 2023. Virtual and in-person training will be scheduled.

We are planning on offering regional certification schools - more information coming soon!

If you are interested in specialized training (let us come to you with specific requested topics) please contact us at 252-764-2094.

NCWOA Upcoming Workshops & Training Events

For more information, please visit our website at www.ncwoa.com

NCWOA ADVANCED DAY 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 #): _____

NCWOA MEMBER PRICE IS \$150.00 (Must put your INDIVIDUAL NCWOA membership number on the line above to qualify)

NON-MEMBER PRICE IS \$210.00

Advanced Day - September 28, 2022 - Raleigh, NC Cost \$ _____

VIRTUAL Advanced Day - September 28, 2022 (Virtual training requirements apply) Cost \$ _____

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 \$25 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.

PLEASE SEND APPLICATION AND PAYMENT TO:

Heather Cagle, NCWOA
PO Box 5466
High Point, NC 27262
Phone: 252-764-2094 ext. 1
Fax: 252-764-2095
Email: heather@ncwoa.com

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 heather@ncwoa.com to your email address book.

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

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: Credit Card Payment :
: Cannot be Processed :
: Over the Phone :
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NCWOA 2022 Sectional Training

(tentative schedule and could be subject to change)

All sectional training is open to anyone regardless of your particular section.
Training agendas and dates are tentative and may be subject to change.
Virtual and in-person training will be planned.

Western Sectional Training

August 16 - Virtual

Ultraviolet Disinfection and Ozone Disinfection

October 18 - Virtual

Questions/RSVP to Brendan Kelley at (828) 232-4574 or BKelley@ashevillenc.gov

North Piedmont Sectional Training

August 4 - Trinity Manufacturing

Facility Tour & Setting Chemical Specifications - Dustin Thorne/Jack Holmes, Trinity Manufacturing

October 6

Questions/RSVP to Melanie Clark at (336) 627-1009 ext 101 or mclark@edennc.us

South Piedmont Sectional Training

August 25 - City of Statesville

Metering & Mag Drive Pumps - Darryle McCormick, Ryan Herco Flow Solutions
Pump Monitoring - Joshua Watts, American MTS
(possible plant tour)

October 20 - Virtual

Questions/RSVP to Tena Mullis at (704) 920-5163 or mullistm@concordnc.gov

Northeast Sectional Training

August 9 - Virtual

Water Quality Analysis - Lovibond
New PFAS legislation

October 11 - West Carteret Water Corp.

Questions/RSVP to Dail Booth at Dail.Booth@cravencountync.gov

Southeast Sectional Training

October 12

Questions/RSVP to Robin Miller at robin.miller@faypwc.com

If you are interested in
hosting or sponsoring
a sectional training
meeting please
contact
Heather Cagle at
(252) 764-2094
ext. 1 or
heather@ncwoa.com

Virtual Training Requirements

Participants must have broadband internet access, computer audio with microphone (or the ability to dial in by phone) and a web camera. We must be able to see the participant at all times during the sessions.
Must be an active member to receive credit hours.

We Appreciate Our Corporate Sponsors!



Interested in sponsorship? Multiple Opportunities Available

Please contact:

Allen Daniels, Public Image Committee (252) 230-8424 Email: allen@waterguardinc.com

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

or check our website at www.ncwoa.com

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 an article in the Go With The Flow or if you are interested in hosting a sectional training meeting please contact Heather Cagle at 252.764.2094 ext. 1 or heather@ncwoa.com.

North Carolina Waterworks Operators Association

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

ANNUAL DUES ARE \$50.00 FOR 2022

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

____ 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 heather@ncwoa.com to your email address book.

PLEASE SEND APPLICATION AND PAYMENT TO:

Heather Cagle, NCWOA Administrator

PO Box 5466

High Point, NC 27262

Phone: 252-764-2094 ext. 1

Fax: 252-764-2095

Email: heather@ncwoa.com

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: Credit Card Payment :
: Cannot be Processed :
: Over the Phone :
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NCWOA USE: Amount: _____ CK# _____ E S Processed: _____

Committee Members

2022-2023 Executive Committee

President

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

First Vice-President

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

Second-Vice President

Chad Flannagan
Greenville Utilities
Phone: (252) 551-1563
Email: flannacm@guc.com

Secretary

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

Treasurer

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

Past President

Ken Loflin
Email: klofin95@gmail.com

Chair – Board of Examiners

Pat Irwin
Dare County
Phone: (252) 475-5603
Email: pat.irwin@darenc.com

Chair - Public Image

Allen Daniels
Water Guard, Inc.
Phone: (252) 230-8424
Email: allen@waterguardinc.com

Chair – Nomination Committee

Jason Green
Fayetteville Public Works
Phone: (910) 223-4710
Email: jason.green@faypwc.com

Chair – Western Section

Brendan Kelley
City of Asheville
Phone: (828) 232-4574
Email: BKelley@ashevillenc.gov

Chair – North Piedmont Section

Melanie Clark
City of Eden
Phone: (336) 627-1009 ext 101
Email: mclark@edennc.us

Chair – South Piedmont Section

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

Chair – Southeast Section

Courtney York
Fayetteville PWC
Phone: (910) 223-4705
Email: courtney.york@faypwc.com

Chair – Northeast Section

Dail Booth
Craven County Water
Phone: (252) 636-6615
Email: dail.booth@cravencountync.gov

Distribution Officer

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

2022-2023 Committees

Finance Committee

Board Director: Ken Loflin

Del Coffman (Chair)
Leslie Carreiro
Julius Patrick
Sam Molinas
Steve Pope
Chad Flannagan

Professional Development Committees

Board Director: Steve Pope

Seminars

Chad Flannagan (Chair)
Julius Patrick
Leslie Carreiro
Victor Quick
Mike Richardson
Tena Mullis
Dail Booth
Brendan Kelley
Melanie Clark
Courtney York
Allen Daniels

Annual Schools

Sandra Bradshaw (Chair)
Del Coffman
Tiffanie Hawley

Lab Analyst

Chris Goforth (Co-Chair)
Bernadine Wardlaw (Co-Chair)
Chad Flannagan (Co-Chair)
Jeff Isley
Amy Watters
Dustin Guyer
Erik Ruff
Patricia Quinichett
Elizabeth Meyer
David Livingston

Board of Examiners

Pat Irwin (Chair)
Rani Holland
Jason Green
Julius Patrick
Chris Smith
Jordan Curles
Dail Booth
Yama Jones
Patty Hall
Janet Mills

Public Image Committees

Board Director: Allen Daniels

Member Services

Ian Stroud (Chair)
Chad Flannagan
Julius Patrick
Tena Mullis
Melanie Clark
Courtney York
Dail Booth
Brendan Kelley
Gabe Sasser
Dave Banick
Sam Molinas
Ken Loflin

Operator of the Year Award

Ken Loflin (Chair)
PWS Representative - Joey White
Jonathan Himsworth

Leadership Committees

Board Director: Chad Flannagan

Nominating

Jason Green (Chair)
Tena Mullis
Dail Booth
Melanie Clark
Brendan Kelley
Courtney York

Rules

Mack Edmisten (Chair)
Chris Smith
Jay Van Hoose

Heather Cagle, Administrator
N.C. Waterworks Operators Association
PO Box 5466
High Point, NC 27262
www.ncwoa.com

NON PROFIT ORG
U.S. POSTAGE
PAID

Important Phone Numbers & Websites

Main Phone # for Certification Board	919-707-9040	https://deq.nc.gov/about/divisions/water-resources/operator-certification/drinking-water-operator-certification/dw-operator-certification-wtfocb
Jay Frick, PWS Section Chief	919-707-9102	
Miranda Harper, Compliance Services Branch	919-707-9092	
Rebecca Sadosky – Protection & Enforcement Branch	919-707-9096	
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>Mooreville</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



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