

## North Carolina Waterworks Operators Association

## GO WITH THE FLOW Training Tomorrow's Water Professionals Today

13 54

October 2019 Volume 22, Number 3

## Operator's Spotlight A Conversation with

A Conversation with Mike Hughes

In 2017, Mike Hughes was awarded the Outstanding Operator of the Year Award by NCWOA. Recipients of this award are considered not only outstanding water treatment operators but also individuals who have given lifelong service to our water industry. Mike certainly fits that description as the Plant Operations Superintendent with the City of Raleigh Public Utilities.

Mike has served in the industry for 23 years and as a member of NCWOA since 2002. While attending Wake Technical College, where he obtained a degree in Environmental Science, he noticed a job posting for a water treatment operator internship with the City of Raleigh/ E.M. Johnson WTP. Not only did he apply and get the internship but later decided to stay and make water treatment his lifelong calling.



The rest is history as he became a full-time operator, got his certification licenses and moved up to become one of the leaders in water treatment for the city.

The City of Raleigh operates two water treatment plants providing water to over 530,000 people in the greater Raleigh, Garner, Wake Forest, Rolesville, Knightdale, Wendell and Zebulon service area. The E.M. Johnson plant has a capacity of 86 MGD and the Dempsey E. Benton plant with a capacity of 20 MGD. Currently the Johnson plant is undergoing expansion to 120 MGD, so it is safe to say that Mike and the operations staff 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.



### Inside This Issue ...

Operator's Spotlight-Mike Hughes	1-2
Operator's Spotlight-David Faircloth	3
NCWOA Workshops & Training Events	4-5
NCWOA Sectional Training	6
Additional NCWOA Sponsored Events	8
Sponsors	9
Membership Application	10
Board & Committee Members	11
Important Phone Numbers	12

have a lot of responsibility in the operation and care of these facilities.

Mike does have other outside interests to include attending live music concerts, visiting micro breweries and playing disc golf; however you can tell from the picture that he most enjoys spending time with his family and traveling. In fact Mike has traveled to 39 U.S. states and hopes to visit all 50 someday. Some of his favorite states to visit have been Colorado, Utah and Washington State, but he speaks of visiting the Black Hills and Bad Lands of South Dakota. He also wants to visit more of the northeastern states.

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COMING

SOON

Hopefully Mike will obtain his travel goals to include a long life enjoying time with his family. In the meantime we are glad that he directs treatment of safe drinking water in our capital city. Thank you Mike for your service and dedication to our North Carolina water industry and for your membership and support of NCWOA.



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

Starting in December 2019, the Go With the Flow will be issued in December, April, and August.

Starting in 2020, section meeting notices will be sent to all sections via postcard in February, June, and October.

For more detailed training event and section meeting information please visit our website at www.ncwoa.com

## **Operator's Spotlight**

#### A Conversation with David Faircloth

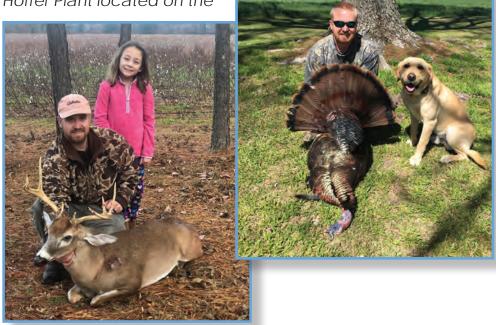
David Faircloth is from Eastover, North Carolina just northeast and across the Cape Fear River from Fayetteville. His home community of 3700 people was incorporated into the Town of Eastover in 2007. Eastover is still a rural setting and a close knit community with a small town personality.

It is in that rural setting that David enjoys hunting and bagging wild game such as deer and turkeys almost from his backyard. Eastover and its residents are described as a place "where community spirit is a part of everyday life"

David started out in the waterworks field in high school working as an intern at the City of Dunn water treatment facility. After high school he attended N.C. State University and received a degree from their School of Agriculture in Turf Grass and Ornamental Plant Management.

However, instead of seeking a long term career in that field he returned to water treatment as a full-time operator with the City of Dunn in 2010 and since has obtained a Grade A Surface License and is Physical Chemical certified also. In 2014 he began working at his current job with the City of Fayetteville PWC as an operator at the Glenville Lake WTP. The plant is a conventional type plant with a capacity of 18 MGD. As an operator, David involves himself in all the duties of operating the plant and said that, "my goals are to move up and gain as much knowledge as I can to be a better operator."

Following that thought, Fayetteville PWC has two water treatment facilities. The P.O. Hoffer Plant located on the



Cape Fear River with a capacity of 40 MGD, combined with the Glenville plant of 18 MGD making a total treatment capacity of roughly 58 MGD. Currently the water system uses around 24 MGD and serves nearly 225,000 customers in the greater Fayetteville area.

We congratulate David on his "spirit" to learn and grow in our waterworks industry and wish him great success in the coming years to include his hunting and bagging big game, down in the land of the long leaf pines!



#### Quality - Traceability - Reliability - Service

Tri-Lite 150 Sodium Hypochlorite 15% (available chlorine by volume) Tri-Lite 100 Sodium Hypochlorite 12% (available chlorine by volume) Caustic 50% (Membrane Cell Process)

Dustin Thorne Regional Sales Manager 910-206-4576 dthorne@trinitymfg.com Jack Holmes Sr. Regional Sales Manager 910-206-4603 jholmes@trinitymfg.com

P.O. Box 1519, Hamlet, NC 28345 trinitymfg.com

## NCWOA Upcoming Workshops & Training Events with Proposed Agendas

All NCWOA seminars listed on pages 4-5 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.

	WW Operations 2019 in Greensboro		
8:00 - 8:30	Registration and Logistics (NCWOA)	12:45 - 1:30	Electrical Improvements at Michell WTP
8:30 - 9:30 9:30 - 10:30	Filter Assessment (CDMSmith) -1.0hr Pumps for water & wastewater	1:30 - 2:15	Automation
10:30 - 10:45	Break	2:15 - 2:30 2:30 - 4:00	Break Security
	PFAS & 1,4 Dioxane	Certificates	for 6 Contact hours for all DRINKING
11:45 - 12:45	Lunch (provided on-site)	WAIER and	WASTEWATER certifications

## Improving Efficiencies - System.Facilities.People

Dec 10, 2019 in Raleigh - 8am - 4pm

#### The morning session will consist of:

#### Water Efficiencies

- Electrical
- Pumps & Motors
- Soft Starters

Water Loss

Page 4

Metering

Capacity Development

Growth & Expansion issues

#### The afternoon session will consist of:

Leadership/Supervision

- Motivation of the Workforce
- Generational Supervision issues

**HR** Practices

Certificates for 6 Contact hours for all DRINKING WATER and WASTEWATER certifications

## **Spring Certification School**

March 16-20, 2020 in Hickory (Information coming in December/January)

## NCWOA Upcoming Workshops & Training Events with Proposed Agendas

All NCWOA seminars listed on pages 4-5 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.

#### For more information and online registration, please visit our website at www.ncwoa.com

## NCWOA SEMINAR REGISTRATION FORM

Deadline for entry is receipt at least 4 business days before a seminar. Space is limited - First Paid, First Accepted

NAME (First, MI, Last):	Please Print or Type				
MAILING ADDRESS	NAME (First, MI, Last):		Nickname (For Tag	g)	
CITY:	SOCIAL SECURITY # (last 4 digits): XXX-XX	EMPLOYER:			
WORK PHONE:	MAILING ADDRESS				
EMAIL ADDRESS:	CITY:	COUNTY:	STATE:	ZIP:	
NC WATER TREATMENT CERTIFICATE # (OPERATOR ID #): NCWOA MEMBER # : NC WATER TREATMENT CERTIFICATE TYPE:ASBSCSAWBWCWDWADBDCDDDCC/BFNone NC WASTEWATER CERTIFICATION # (OPERATOR ID #):,,,, NCWOA MEMBER PRICE IS \$55.00 (Must put your INDIVIDUAL NCWOA membership number on the line above to qualify)	WORK PHONE:	Ext:	_FAX:		
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<b>NCWOA MEMBER PRICE IS \$55.00</b> (Must put your INDIVIDUAL NCWOA membership number on the line above to qualify)	NC WATER TREATMENT CERTIFICATE TYPE:ASBSCS	AWBWCW	DWADBD	CD DD CC/BFN	lone
	NC WASTEWATER CERTIFICATION # (OPERATOR ID #):				
NON-MEMBER PRICE IS \$105.00	NCWOA MEMBER PRICE IS \$55.00 (Must put your INDIV	IDUAL NCWOA member	ship number on the line ab	oove to qualify)	
	NON-MEMBER PRICE IS \$105.00				

Water & WW Operations - October 29, 2019 in Greensboro	Cost \$
Improving Efficiencies - System.Facilities.People - December 10, 2019 in Raleigh	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 \$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.

CREDIT CARD PAYMENT High Point, NC 27262 Phone: 252-764-2094 ext 1		Heather Cagle, NCWOA Admir	
Credit Card Number:	Credit Card Type: Visa MC AmEx Discover	High Point, NC 27262 Phone: 252-764-2094 ext. 1 Fax: 252-764-2095	NEW ADDRESS EFFECTIVE 01/01/19
If cardholder is other than attendee, what email address should the CC receipt be sent to?	Credit Card Number:	_	<ul><li>Credit Card Payment</li><li>Cannot be Processed</li></ul>
To ensure that you receive the emailed receipt, please add heather@ncwoa.com to your email address book.		_	•••••
	If cardholder is other than attendee, what email address should the CC receip	ot be sent to?	
NCWOA USE:     Amount:     CK#     E     S     Processed:	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:	

Page 5

NCWOA sectional training meetings listed below are for 4.0 contact hours and are pre-approved by the NCWTFOCB for treatment and distribution operators. All sectional training is open to anyone regardless of your particular section. Training agendas and locations are tentative and may be subject to change.

All Sectional Training Meetings will take place from 10am - 3pm. There will be two training sessions (10am-12noon and 1pm-3pm), you may attend one or both. Sectional Trainings are open to anyone, however if you want contact hours you must be an active member or be prepared to pay the \$40 annual membership fee on-site.

### Western Sectional Training

October 24, 2019 - Lenoir Topics: Plant tour, Actiflow, Plant upgrades

Please RSVP to Brendan Kelley at (828) 890-2835 or <u>BKelley@ashevillenc.gov</u>

## Northeast Sectional Training

October 15, 2019 - Winterville Topics: Disaster preparedness, Certification Board rules & regs, Flushing

Please RSVP to Dail Booth at (252) 551-1559 or boothrd@guc.com

## Southeast Sectional Training

October 17, 2019 - PWC (Fayetteville) (2 credit hours only) Topics: Plant tour, Distribution inspections

Please RSVP to Robin Miller at robin.miller@faypwc.com

Starting in 2020, section meeting notices will be sent to all sections via postcard in February, June, and October. All sectional training is open to anyone regardless of your particular section.

For more detailed section meeting information please visit 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 intersted in hosting a sectional training meeting please contact Heather Cagle at 252.764.2094 ext. 1 or heather@ncwoa.com.



## Additional NCWOA Sponsored Training

Bacteriological Methods Workshop November 6-8, 2019 Contact Michelle Rufus (919) 807-8751

Math Review Contact JD Monroe (910) 947-5784 NCWOA Spring School March 16-20, 2020 in Hickory A, B, & C Surface B & C Well Advanced Day, March 18 Brochures coming in December

## We Appreciate Our Corporate Sponsors!



## Jack Moore & Associates, Inc.







## 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

Page 9

## 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.



		ip Applicati ARE \$40.00 FOR 2		
First Name:	Middle Initial:	Last Name: _		
Nickname: Social Sec	curity # (last 4 digits): xxx	k-xx If Rei	newal, what is yc	our NCWOA Member #:
YOUR Individual Operator Certification #: (Iss	ued by NCWTFOCB)			
Certificate(s) Held:				
A-SurfaceB-SurfaceC-S	Surface A-Well _	B-Well C-W	/ell D-Well	
A-Dist B-Dist C-Dist	_ D-Dist Cross-Cor	nnection		
	Wa	astewater #'s		
None Yet You are not an Ope				
PLEASE SELECT YOUR PREFERRED ADDRES	<b>S</b> (This is where confirm	mations & membe	rship info will be	e sent.)
Home Address:	•			·
City:	State	Zip	County:	
Employer Name:				
MAILING Address:				
City:	State	Zip	County:	
Work Phone : E	xt: Fax:			
Home Phone:	Cell Phone:			
Email Address:				
How would you like to receive your issues of	Go With The Flow? Po	stal Delivery	<u>OR</u> Em	ail
How would you like to receive your Section M	Meeting notices? Post	al Delivery	<u>OR</u> Em	ail
<b>NOTE:</b> Memberships are based upon a cale membership number, and membership expi	endar year. Membership ration date.	o cards will be mailed	d with receipt. Th	nese cards will contain your name,
<b>NOTE:</b> Please make checks payable to "NC Orders. Credit Card payments may be maile			ators Association.	" We do NOT accept Purchase
CREDIT CARD PAYMENT			APPLICATION AND e, NCWOA Admin	
Credit Card Type: Visa MC	AmEx Discover	PO Box 5466 High Point, NC	27262	
Name on Credit Card:		Phone: 252-76 Fax: 252-764-2		EFFECTIVE 01/01/19
Credit Card Number:		Email: heather	@ncwoa.com	•••••
Exp Date: Month Year Security	Code from back of Ca	rd		Credit Card Payment Cannot be Processed
Cardholder's Signature:				Over the Phone
If cardholder is other than attendee, what e	mail address should the	CC receipt be sent t	:0?	
To ensure that you receive the emailed rece	ipt, please add heather	@ncwoa.com to you	ur email address	book.

NCWOA USE:	Amount:	CK#	Е	S	Processed:

O.B.C.

## **Committee Members**

#### 2019 Executive Committee

#### President

Jeff Isley Email: Isley1062@aol.com

#### First Vice-President

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

#### Second-Vice President

Sam Molinas Broad River Water Authority Phone: (828) 286-0731 Email: smolinas@ncbrwa.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: *Icarreiro@ashevillenc.gov* 

#### Past President

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

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

#### Chair - Western Section

Brendan Kelley City of Asheville Phone: (828) 890-2835 Email: *BKelley@ashevillenc.gov* 

#### 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

Del Coffman Fayetteville Public Works Phone: (910) 223-4706 Email: del.coffman@faypwc.com

#### Chair - Northeast Section Dail Booth Greenville Utilities Phone: (252) 551-1559 Email: boothrd@guc.com

Distribution Officer

#### 2019 Committees

#### Finance Committee Board Director: Julius Patrick

Leslie Carreiro Julius Patrick Sam Molinas Ken Loflin Jeff Isley

#### Professional Development Committees

Board Director: Ken Loflin

#### <u>Seminars</u>

Sam Molinas (Chair) Jeff Isley Leslie Carreiro Don Price Steve Pope Tena Mullis Yama Jones Lowell Graves Del Coffman Julius Patrick Pam Gibbons Allen Daniels Dail Booth James Merritt Carl Scharfe

#### Annual Schools

Sandra Bradshaw (Co-Chair) Mark Hahn (Co-Chair) Lee Kiser Del Coffman Garrett Gilbert

#### Lab Analyst

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

#### **Board of Examiners**

Pat Irwin (Chair) Ricky Langley Rani Holland Jeff Carlisle Julius Patrick Chris Smith Jay Van Hoose Dail Booth Yama Jones Patty Hall Mark Hahn Janet Mills

#### Public Image Committees Board Director: Allen Daniels

#### Member Services

Pam Gibbons Bessy Farmer Chad Flannagan Jeff Isley Julius Patrick Tena Mullis Steve Pope Del Coffman Sam Molinas Ken Loflin Lowell Graves Yama Jones

#### Operator of the Year Award

Julius Patrick (Chair) PWS Representative - Joey White Chris Smith

#### Leadership Committees Board Director: Sam Molinas

#### Nominating

Chris Smith (Chair) Tena Mullis Yama Jones Steve Pope Lowell Graves Del Coffman

#### <u>Rules</u>

Mack Edmisten (Chair) Chris Smith Jay Van Hoose

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Page 11

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 Mailed from Zip Code 56601 Permit No 71

## Important Phone Numbers & Websites

Maia Dhana II fan Carlife alian Da mal	010 707 00 10	
Main Phone # for Certification Board	919-707-9040	https://deq.nc.gov/about/ divisions/water-resources/ operator-certification/drinking- water-operator-certification/dv operator-certification-wtfocb
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
Central Office	919-707-9100	
Asheville	828-296-4500	
Mooresville	704-663-1699	
Winston-Salem	336-776-9800	
Raleigh	919-791-4200	
Fayetteville	910-433-3300	
Washington	252-946-6481	
Wilmington	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

*• This newsletter is printed on recycled paper.*