



*NCGWA
Celebrating Over
70 Years*

DECEMBER 2017

WATER WORDS

A Letter From The President - A Year in Review

February 2017 brought us to our winter show in Greensboro. This show was special in the fact the NCGWA was celebrating its 70th birthday. Past Presidents that were able to attend were recognized for their service to the office.

April took the Association on the road for an opportunity of continuing education hosted by Dustin and Jerry Merrell up to Asheville. It had been a few years since we had been back in those wonderful mountains. Then we were back to Wilson for the 17th year in a row hosted by John Boyette. Both events gave our members the opportunity to listen in on some good information and share in some good fellowship. I want to give a big thanks to those who participated in those events.

June took us to Myrtle Beach to the South Atlantic Jubilee. We held a general membership meeting while at the Jubilee where some good information was exchanged between members.

Early September gave me a opportunity to speak on behalf of the NCGWA to the Rotary Club in Tarboro about the important role the Association plays in protecting, providing and preserving the groundwater of North Carolina.

Late September took me back to Myrtle Beach to play in South Carolina's Groundwater Association golf tournament. I was received well by our fellow water well professionals from the south. We had some good fellowship and I think we strengthened the relationships between the two associations. I also picked up on some helpful ideas for a golf tournament we are considering in the spring of 2018.

December took some of us members of the NCGWA to Groundwater week in Nashville Tennessee. At the delegate meeting North Carolina was represented well with 8 out of 10 delegate seats filled. The best turn out in recent years. Thanks go out to Dustin Merrill, Jim Cornette, Mike Floyd, Bill Magette, Sammy Rackley, John Boyette and Tammie Leggett.

As 2017 comes to an end, I have heard more positive remarks about a good and prosperous year. The outlook for 2018 looks bright as well, with North Carolina being a great place to live with a strong growing economy. Our industry should see strong growth also.

With Respect,
Chauncey Leggett, President of NCGWA

NCGWA 2018 Conference and Trade Show February 2, 2018

Embassy Suites, Greensboro, NC
(336) 668-4535

Rate: \$119/Night

Reservation Deadline: January 5, 2018
Specify you are with the NCGWA

Prepare to mark your calendars...

**The NCGWA is planning its
1st NCGWA Golf Tournament!**

Tentatively Scheduled for April 2018
Further Information Forthcoming

STATEMENT OF PUBLISHER

Water Words is the official publication of the North Carolina Ground Water Association. Readers are invited to submit manuscripts, which preferably would be limited to 2,000 words or fewer in length. Water Words' advertising policy attempts to conform its advertising to business endeavors. Products or services advertised in Water Words are not directly or impliedly endorsed by the NCGWA. The views and opinions implied or expressed herein by authors and advertisers are not necessarily those of NCGWA, the editor or the publisher, and no responsibility for such views will be assumed. This publication is provided with the understanding that opinions, instructions and advice provided by contributing authors and editors are those of such authors and editors and not of this publication. Neither the publisher nor the editor is engaged in providing professional opinions of any nature. If technical or professional advice is required in any aspect of your business, we encourage our readers to seek professional services. The publishers of Water Words may refuse to accept any and all advertising it believes to be false, fictitious or misleading.

AD COPY AND ARTICLES MAY BE SUBMITTED TO:

WATER WORDS

Elaine Christian, Publisher
PO Box 41368
Raleigh, NC 27629
800-889-7118 (N.C. only)
919-876-0687
Fax: 919-878-7413
Email: elaine@execman.net

RATES OF ADVERTISEMENT

Business Card Ad

\$50 per issue/\$200 year

Quarter-page Ad

\$100 per issue/\$350 per year

Half-page Ad

\$150 per issue/\$500 per year

Full-page Ad

\$250 per issue/\$850 per year

PUBLICATION DATES

Articles and ad deadlines
are the first day of

MARCH

JUNE

SEPTEMBER

DECEMBER

Any and all NCGWA members are encouraged to send information on past or coming events or news articles that would be of interest to other well drillers. Please send profiles of well drillers/companies that you feel deserve to be highlighted in our newsletter.

2017 Board Of Directors

President

Chauncey Leggett, Lake Valley Well Co., Inc., Tarboro

Vice President

Bill Magette, Magette Well & Pump Company, Ahoskie, NC

Secretary/Treasurer

Reid Mullis, Gopher Utility Services, Kannapolis, NC

Immediate Past President

John Boyette, Boyette Well & Septic, Wilson

Directors

Matthew Brown, Yadkin Well, Hamptonville, NC

Mike Floyd, McCall Brothers, Charlotte, NC

Dan Graham, Clear Water Solutions, West End, NC

Dustin Merrill, Merrill Drilling & Water Systems, Penrose, NC

Chad Mullis, DL Mullis Well Drilling, Monroe, NC

Elmer Newman, Newman Brothers, Elkin, NC

Neill Pardue, Air Drilling Company, Statesville, NC

Robb Armstrong, Franklin Electric, Columbia, SC

Phil Silvestri, Preferred Pump, Greensboro, NC

Executive Director

Elaine Christian, NCGWA, Raleigh (919-876-0687)

Save The Dates!

- ◆ NCGWA 2018 Conference & Trade Show -
February 2, 2018, Embassy Suites, Greensboro, NC
- ◆ National Ground Water Awareness Week -
March 11-17, 2018
- ◆ 1st NCGWA Golf Tournament
Tentatively scheduled for April 28, 2018
- ◆ Worth Pickard Scholarship Deadline - April 15, 2018
- ◆ South Atlantic Jubilee - July 28 - 30, 2018 -
Myrtle Beach Convention Center, Myrtle Beach, SC

MEMBERS GAIN BUSINESS FROM NCGWA'S WEBSITE

One of the benefits of belonging to the NCGWA is being listed on the ncgwa.org website, viewed by the public when looking for a certified well contractor.

Please review your information – if the information is not correct, please send an email to elaine@execman.net with the correct information.

Season Greetings

Season Greeting to Everyone,

I hope these words find you well. As I start to put some thoughts together, I think of "Season Greetings" and how blessed we are for seasons here in North Carolina. Winter, spring, summer and fall; all bring a new feel, which I welcome. There are also other seasons; growing seasons, harvest seasons, hunting seasons, stewardship season, and advent season to name a few. Each season calls us to prepare in order to be the best we are to be. Winter gives up the opportunity to plan and prepare. Spring gives us the opportunity to spring into action. Summer gives us time to execute our plan. Fall gives us time to harvest our efforts. Then there is Thanksgiving, an opportunity to reflect back on our efforts of planning, preparing, acting, executing and harvesting. It is also a time to be grateful of the many blessings of opportunities. This season of thanksgiving prepares us for the most important season; The Christmas season, the season of advent; the arrival to the manger where we find Hope, Peace, Joy and Love. As we find our way to the manger this year may we also find the light that will light our path into our next Season!

Merry Christmas to you all and may you find hope, peace, joy and love into the next Season!
Chauncey Leggett

"Friendship is unnecessary, like philosophy, like art...it has no survival value; rather it is one of those things that give value to survival."

C.S. LEWIS

NCGWA - Looking Ahead - 2018 Winter Show

Mark your calendar, February 1 and 2nd the NCGWA will be back at the Embassy Suites in Greensboro. This year we are trying something a little different. On Thursday from 4:00 to 5:00 there will be an educational opportunity. This topic should get everyone's attention, "A blue print to retirement". The presenter is a life long friend of mine, Vinton Fountain, who has done extremely well in the financial market. Most of our time on the job is spent pricing, collecting, working on wells, pumps etc. How much time do we work on our retirement plan? All of us will need it one day. Have you got a plan? Is it the best plan? This is an opportunity each of us should take advantage of. It is never too early or too late to start planning.

"Successful investing is more about avoiding mistakes than predicting the future."

Vinton Fountain

Friday will be the same format as we have had in the past with continuing education classes, the trade show, lunch, our general membership meeting, and our auction. This is a perfect time we can come together to catch up, make new friends, learn of new products, and come up with new ideas. I hope you will plan on coming and take advantage of NCGWA winter show which will help you prepare for the future in your business and personal life.

"Luck is What Happens When Preparation Meets Opportunity"

Hope to see you at the show.

Chauncey Leggett

Don't Forget to Purchase Your Raffle Ticket!

The NCGWA will be holding its 4th Annual Gun Raffle this year at the Annual Trade Show and Conference in February. Tickets will be \$10 each and can be purchased from any of the board members or by calling the NCGWA office at 919-876-0687. You may also purchase your ticket when you send in your registration form for the conference. Just indicate the number of tickets you are purchasing. Tickets will also be available for purchase at the trade show. Raffle items include a Pardner Pump Shotgun: Pump Action, CPX-2-TT Pistol: Semi-Auto and a Patriot Bolt Action Rifle with scope.

Responding to Flooded Wells

By Charles Job

Hurricane Matthew made landfall in North Carolina on October 8, 2016, with flooding causing massive damage and loss of life in 26 counties of the eastern part of the state.

It also resulted in water wells being flooded and needing service. The North Carolina Ground Water Association, its members, and state and local authorities were available to respond to well owner and groundwater needs for sustainable safe water supplies.

The Storm

Hurricane Matthew dropped more than 15 inches of rain in two days on three counties (Wayne, Sampson, and Cumberland) and significant precipitation amounts in adjacent counties in eastern North Carolina. The Lumber, Neuse, and Little Pee Dee Rivers had record flood crests, exceeding those of the combined Hurricanes Dennis and Floyd in September 1999 that struck a similar area.

Some lessons regarding water wells were drawn from the earlier Hurricane Floyd, which helped at least one community get through the later Hurricane Matthew in somewhat better shape, groundwater-wise.

Well Impacts from Flooding

Water quality and well structure can be affected by flooding. If a well is not sufficiently elevated nor properly capped, grouted, or sealed, contaminated floodwater and sediment can enter the well (National Ground Water Association 2014).

The North Carolina Administrative Code, Standards of Construction: Water Supply Wells, requires water wells be completed at least 12 inches above land surface (North Carolina Department of Environment and Natural Resources Division of Water Quality 2009), with guidance from the Federal Emergency Management Agency for new construction to be 12 inches or more above the 100-year floodplain (U.S. Department of Homeland Security, Federal Emergency Management Agency 2017).

Debris, such as trees and branches or portions of structures that can float, can strike a well and damage it. Open dug wells can be particularly vulnerable to contamination. Contaminants may include coliform and *E. coli* from human and animal waste that are indicators of other harmful microorganisms.

Support to Flooded Well Owners

The state offered free well water sample testing to well owners. A total of 1940 sample kits were sent to county

health agencies and 294 were returned with well water samples for testing (15% return rate).

The state laboratory received water well samples from 19 counties in eastern North Carolina, and about 22% of the wells tested positive for coliform, *E. coli*, or both (Price 2017). Thirty-two (32) wells were sampled two to four times to check that the wells were safe for use. Additionally, 24 wells tested positive for coliform or *E. coli* but did not have samples submitted for retesting, potentially presenting a health risk to the well users.

While the state worked through county health agencies to let well owners know of the free water well testing, the response was less than expected. After all, more than 3 million people in North Carolina rely on private wells for their primary water source (University of North Carolina Gillings School of Global Health 2017).

Some of the reasons given for the response were areas converting to public water systems following the hurricane, concerns about wells being condemned or unusable, and a lack of promotion and education (North Carolina State Laboratory 2017).

The North Carolina Ground Water Association offered a \$100 rebate for chlorination or disinfection services provided to owners of flooded wells (North Carolina Ground Water Association 2016). Well owners with flooded wells who had a well service contractor come to their property and disinfect and sample their well could send in their bill to the association and receive a rebate of that portion of their disinfection costs.

Responding to Homeowners

Water well contractors provided assistance to both homeowners with private wells and communities on municipal wells.

Bill Magette of Magette Well and Pump Co. in Ahoskie, North Carolina, and Russell Underwood of Charles R. Underwood Inc. (CRU) in Sanford, North Carolina, recall responding to the groundwater needs of flood victims and communities.

Magette Well and Pump responded to flooded wells at six residences in the Hertford County area with disinfection and bacteriological testing to ensure the wells were safe for homeowner use.

Typical cost of disinfection through chlorination and bacteriological testing of a well is \$80-\$200 depending on

wellhead access, well depth, and well diameter. Because of the potential health, taste, and odor problems—and the possibility for damaging the well and pump from mismanaging disinfection chemicals or opening the well—well owners should always use a qualified well services contractor.

During Hurricane Floyd, Bill Magette recalls responding to 15 flooded wells at residences in the eastern part of the state. At the time, he also helped another homeowner recover from his flooded and contaminated well situated near the area's wastewater treatment plant. After several chlorinations and tests, the well water was determined not usable.

Magette's company then installed a new deeper well to avoid the significant groundwater contamination suspected from the treatment plant.

Assisting Communities

CRU assisted well owners in Lumberton, which was badly damaged by flooding from Hurricane Matthew. Lumberton (population 21,499 in 2016) in Robeson County has standby wells to blend with Lumber River water to meet drinking water standards. The wells were flooded by the hurricane's rains and the city's water plant, which was flooded and inoperable, could not supply water.

Russell Underwood reports CRU disinfected seven Lumberton municipal wells, meeting drinking water standards in just a few days. The wells provided 24-hour water supply for three weeks until the water treatment plant was back in operation. The same wells also supplied nearby areas through water delivery by water tankers.

'Take-Away' Pointers from Hurricane Floyd

In Greenville, the water plant, drawing mainly on the Tar River, and its backup wells were flooded by Hurricane Floyd.

Magette Well & Pump had previously rehabilitated and relined several wells for the city of Greenville prior to the Hurricane Floyd flooding. After that hurricane, Magette chlorinated two of the wells that then supplied the city for a month until the water plant was back in operation. The wells also supplied the surrounding areas using water tank truck delivery.

But after Hurricane Floyd in 1999, Magette Well & Pump also added well casing to raise the wellhead elevations 2 feet above the flood level. During Hurricane Matthew in 2016, Greenville had no problems with its wells being flooded. Lesson learned: Planning for weather extremes is important even for groundwater systems.

Several "take-aways" may be garnered from the North Carolina experience with flooded wells potentially improving their sustainability:

- Advertise flood response and recovery services and support in advance of extreme weather, perhaps even regularly throughout the flood season. June 1 is the typical "official" start of hurricane season on the U.S. East and Gulf coasts.
- Link communication about supporting services for flooded wells—free well water testing (state), rebates for well disinfection (North Carolina Ground Water Association), and well services offered (contractors)—to make it easy for homeowners on well systems to know the full scope of services available to them.
- Educate homeowners and municipal water system operators about the utility of elevating their well casing above flood levels and locating new wells in locations of higher elevation to avoid flooding wherever possible.

References

National Ground Water Association. 2014. Household water well owners should inform themselves about flood threats. www.ngwa.org/Media-Center/press/2014/Pages/2014-04-28-flooding.aspx. Accessed July 22, 2017.

North Carolina Department of Environment and Natural Resources Division of Water Quality. 2009. *North Carolina Administrative Code Title 15A*. 15A NCAC 02C .0107 (d) Casing (5).

North Carolina Ground Water Association. 2016. *Flood Victim Rebate Program*.

North Carolina State Laboratory. 2017. Hurricane Matthew Sample Collection Kits (tracking matrix). February 28, 2017.

Price, Cindy 2017. Written communication, August 4, 2017.

University of North Carolina Gillings School of Global Health. 2017. Groundwater in North Carolina. <http://sph.unc.edu/superfund-pages/ncwellwater/groundwater-in-north-carolina>. Accessed July 22, 2017.

U.S. Department of Homeland Security, Federal Emergency Management Agency. 2017. Higher Floodplain Management Standards: A Valuable Element in Community Planning. www.fema.gov/media-library-data/1436818440760-e98afeaaf063ee3417e6a76a62fb0a48/FPM_1_Page_Higher_FPM_Standards.pdf.

Reprinted from Water Well Journal with permission of the National Ground Water Association. Copyright 2018.

Can I Get Your “John Hancock”?

Learn These Contract Basics Before Signing on the Dotted Line

By Jennifer Strawn

Parole evidence rule. Liquidated damages. Integration clauses.

It sounds like a lot of legalese, but these are terms all groundwater contractors should be familiar with—especially if you frequently work as a subcontractor.

“You need to be aware of the laws in the states where you do business,” says Michael Kimmel, a partner with Hoy Chrissinger Kimmel Vallas, a law firm specializing in construction law in Reno and Las Vegas, Nevada. “If you don’t, you could actually be waiving your rights under contract.”

Here are a few basics of good contracts and what other groundwater contractors are looking out for before signing on the dotted line.

Types of contracts

As a groundwater contractor you’re most likely to encounter a few different types of construction contracts:

- **Traditional contract:** An owner designs a project with an architect, then signs a contract with a general contractor who then hires subcontractors to complete the work on the property.
- **Engineer-Procure-Construct (EPC):** This type of contract is similar to a traditional contract, except the project is completely engineered rather than designed by an architect. It’s then put out for procurement instead of a traditional bid process. These types of contracts are most common in public works projects.
- **Design build:** These types of contracts are common when working with homeowners. A homeowner contracts you to construct a well on their property but the project is designed as you go.

“In my experience, design build contracts tend to have a ton of problems,” Kimmel says. “They often have the most disputes between the homeowner and the contractor because not everybody is starting from the same page.”

The elements of a good contract

Ensuring that all parties are in agreement is essential to any good contract—regardless of the type of contract or work you’re completing.

There should always be a “meeting of the minds,” Kimmel says. In other words, all of the contract’s terms should be clear—not ambiguous—and all of the major aspects of the contract should be dealt with before signing the contract, including price, time, and scope of work.

If a court is called on to interpret a contract, they consider the contract as a whole and usually give precedent to specific terms over general terms. Any handwritten terms that contradict typed or preprinted terms also take priority.

“In construction contracts, you may have multiple sets of documents,” Kimmel says. “You have a contract, you may have plan, and you may have specifications. In certain circumstances, you may want the specs to take precedent over a more general description somewhere else.”

That’s where a contract clause defining precedence of the contract documents comes in. You can specify the specs take precedence over the plans, for example.

It’s important to be as specific as possible, Kimmel says. That’s because the court only looks at the contract—not the negotiations that took place before both parties signed it.

“It’s called the parole evidence rule,” he says. “When you sign the contract, the contract is defined by the four corners of the contract and not what your negotiation says. In most circumstances, you don’t get to use emails back and forth to show what the parties really meant in the contract.”

While it’s not common, there are exceptions. To protect yourself, you can add an integration clause, which is intended to exclude any prior dealings, industry practices, or pre-contract negotiations.

Some duties are implied in all contracts. This includes the Duty of Good Faith and Fair Dealing, which means you can't interfere with the other party's ability to inform.

Owners can breach their duties of good faith by:

- Taking too long to get permits or inspections
- Delaying the issuance of change order
- Refusing to issue and pay change orders
- Providing late or incomplete review of submittals and requests for information (also known as RFIs)
- Providing the design late

Another duty implied in contracts is the Spearin Doctrine, which says if a contractor is required to build according to plans and specifications prepared by the owner, the contractor won't be responsible for the consequences of defects in plans and specifications.

You can add an integration clause incorporating these duties, too, to minimize ambiguity.

Kimmel warns against any clauses disclaiming all implied duties. While some disclaimers can be beneficial, they should be done with the advice of counsel.

Things to look out for

When you're reviewing a contract, it's important to pay close attention to your ability to collect payment—particularly if you're a subcontractor.

One of the big buzz words in construction contracts is “pay if paid.” This clause means that—as a subcontractor—you only get paid to if the owner pays the prime contractor first.

“You can see what kind of mess that could create,” Kimmel says. “You do \$50,000 worth of work for me; you've paid your employees and bought all of the materials. Then I look at you and say you did fantastic work, but I'm not paying you because the owner hasn't paid me. It makes the subcontractor the bank for the job.”

Many states have determined that's not right, so they've created strict prompt payment laws. In Nevada, for example, you're entitled to payment either within 10 days of the date the owner pays the contractor, or, if that never happens, you're entitled to payment within 30 days of submitting your payment request. So the longest you ever have to go without payment is 30 days.

Not all states have those laws, though. If yours doesn't, you have to be very careful that you're not agreeing to provisions that say you're not entitled to payment unless the owner pays the prime contractor.

“Pay when paid is definitely where the industry is going,” says Tory Donnelly, president of Summit Drilling Co. in Bridgewater, New Jersey. “That's something I see a lot more of and it's a very big change, at least for environmental drilling. It's very difficult because you can't predict your cash flow with that.”

Other payment clauses could limit your ability to get paid. Kimmel has come across provisions that say that if the prime contractor doesn't think the subcontractor will finish their work, they can withhold all payment at their sole discretion.

Summit Drilling tries to negotiate stricter payment terms when possible, Donnelly says.

“Someone may even put 250 days for payment in a contract and we'll cross it out and put 90 days,” she says. “We'll mark it up and try to negotiate more acceptable terms.”

To ensure prompt payment, Tom Downey, CWD/PI, president of Downey Drilling Inc., in Lexington, Nebraska, also pays attention to retainages. If he's working as a subcontractor on a job and there's a retainage in the contract, he says he may negotiate on it if he feels it's a little high.

For example, say you're providing the irrigation wells for a sports complex at a college. The wells might be a small part of a very large project that stretches out over the course of a year or more. Your company goes in early and gets the work completed, but they still hold a 10% retainage until the complex is fully complete.

“We don't want our retainage tied up when we're done with a project,” Downey says. “So we try to negotiate that down.”

Can I Get Your “John Hancock”? (Cont.)

Once we’re done, we believe we deserve our money.”

Liquidated damage clauses are also important to Downey, especially if it would require work to be completed in colder months of the year. Liquidated damage clauses require the work to be completed within a certain timeframe. You’ll pay penalties for going over the deadline.

If bad weather could delay the work, that’s something Downey may want to negotiate.

If there is a liquidated damage clause in a contract, pay close attention to all change orders.

“If you have a liquidated damages provision that says if you don’t finish by X date, every day after that date is a penalty of Y dollars per day, and you don’t add those extra days into the change order, you may be out of luck,” Kimmel says. “Change orders often are about more than extra work and money; a lot of times they’re about extra time.”

Change orders are “mini contracts,” Kimmel says. That’s because it’s changing the scope of work already agreed upon. So, like all contracts, they should be specific and all parties need to agree to their terms.

Collecting payment

Aside from your right to prompt payment, you have mechanic’s lien rights. This provides you a way to collect payment from an owner.

Essentially, this means if you’ve done work to an owner’s property for the benefit of their property then you get a form of security interest in that property.

For example, if an owner pays the prime contractor but that contractor runs off with money, it gives you right to collect your payment from the property owner. But there are certain steps you must comply with so you don’t lose your security interest.

“Those steps vary greatly from state to state,” Kimmel says, “so you want to know what your rights are in your state and that you perfect them as you’re going along so you don’t lose that right.”

That’s why knowing your state laws is critical to protecting yourself, whether you’re trying to collect a payment or signing a contract agreement.

“The law may say one thing, but people could still try to contract something different,” Kimmel says. “If you don’t know what your rights are in your state, you may accidentally waive important rights.”

NGWA Offers Documents to Help Contractors

The National Ground Water Association has designed documents designed to aid water well contractors who are drilling wells or who want to increase revenue by locking in residential water well inspection and maintenance work. *Water Well Drilling Agreement and Instructions for Use* and *General Contract for Residential Water Well Inspection and Maintenance Services* can be found in the NGWA Bookstore at www.NGWA.org.

Reprinted from Water Well Journal with permission of the National Ground Water Association. Copyright 2016.

Nominations for 2018 Board of Directors

Do you have interest in being a member of the NCGWA Board of Directors? Want to help guide the association and the industry? If you are interested in serving on the board, please contact someone on the nominating committee:

John Boyette, Nominating Committee Chair at
252-293-0955/jhboyette1@aol.com or
committee listed below:

David Hutson at 919-544-1940/bigacme@aol.com
Jerry Merrill at 828-877-4450/merillwp@citcom.com

NCGWA CORPORATE PARTNERS

Preferred Pump

Phil Silvestri
203 South English Street
Greensboro, NC 27401
psilvestri@preferredpump.com
336-373-5900



Drillers Service

Roy Lawson
PO Box 1407
Hickory, NC 28603
r.lawson@dsidsi.com
828-431-3245



Franklin Electric

Robb Armstrong
12 Summer Creek Court
Irmo, SC 29063
rarmstrong@fele.com
321-356-6752



Baroid

Mark Whittle
PO Box 1675
Houston, TX 77251
mark.whittle@halliburton.com
281-871-5688



CORPORATE PARTNERS

(Continued)

Goulds Water Technology

Ryan Stahl
2881 E. Bayard St. Ext.
Seneca Falls, NY 13148
ryan.stahl@xyleminc.com
315-730-1493



Flomatic Corporation

Nick Farrara
15 Pruyns Island Drive
Glens Falls, NY 12801
nick@flomatic.com
518-761-9797



Pentair Flow & Filtration

293 Wright St.
Delavan, WI 53115
Mike Hulburt
Crossville, TN
mike.hulburt@pentair.com
714-227-8142



Next NCGWA magazine deadline:

March 1, 2017

**Send items to: NCGWA, P. O. Box 41368
Raleigh, NC 27629**

Scholarship Available

Worth Pickard Scholarship

The N.C. Ground Water Association offers the Worth Pickard Scholarship to eligible students who are currently enrolled or who have been accepted into an accredited college or university.

Consideration will also be given to those seeking specialized courses of study, if the applicant is employed or otherwise involved in some area of the ground water industry.

For eligibility requirements and an application form, please visit our website, www.ncgwa.org, and click on the link for the Worth Pickard Scholarship.

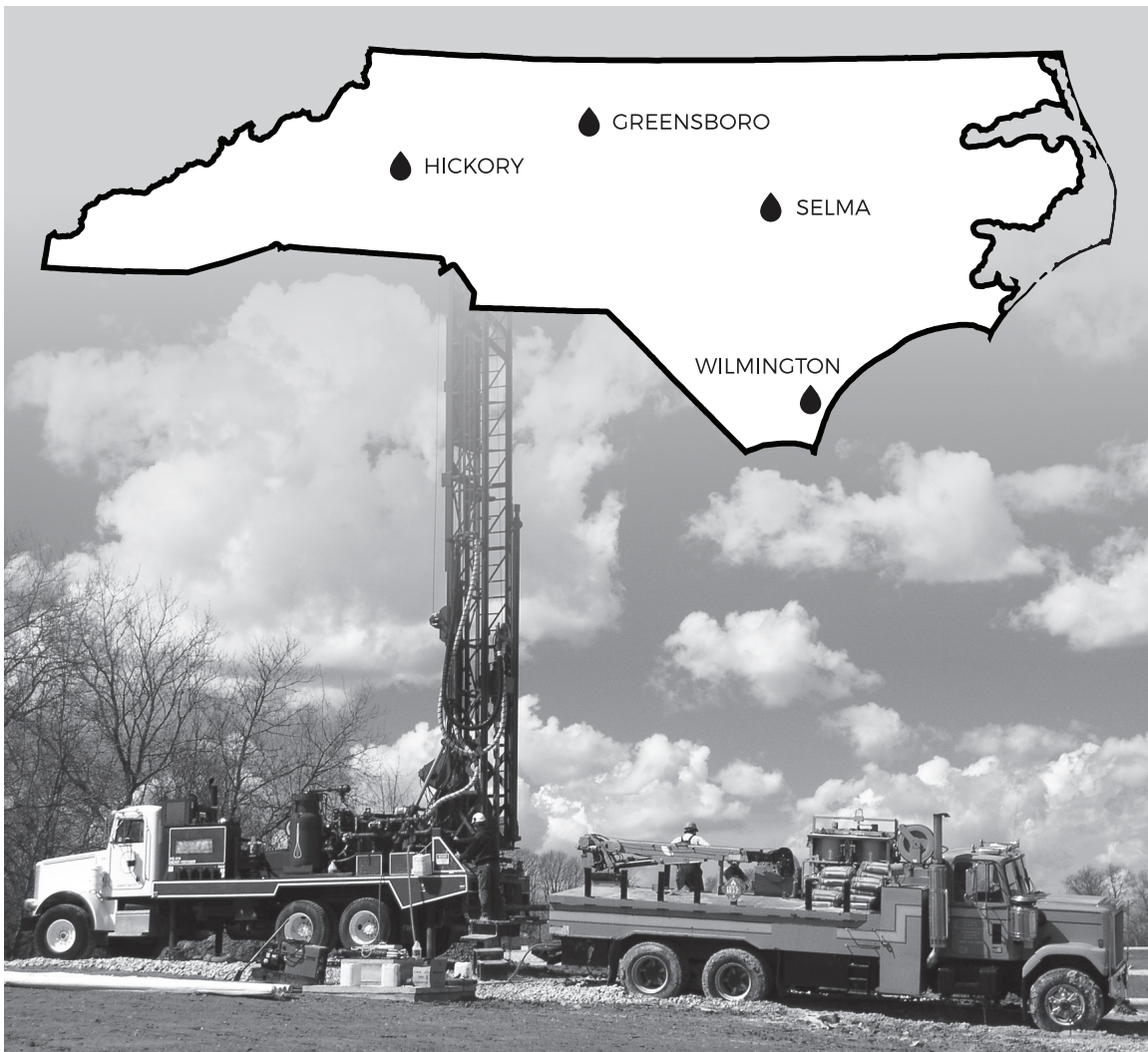
The deadline for the 2018 scholarship is April 15, 2018.

Contact the NCGWA office at 919-876-0687 for more details.



Drillers Service, Inc.
Serving North Carolina since 1954

PUMPS • CONTROLS • PIPE • WATER TREATMENT • DRILLING SUPPLIES

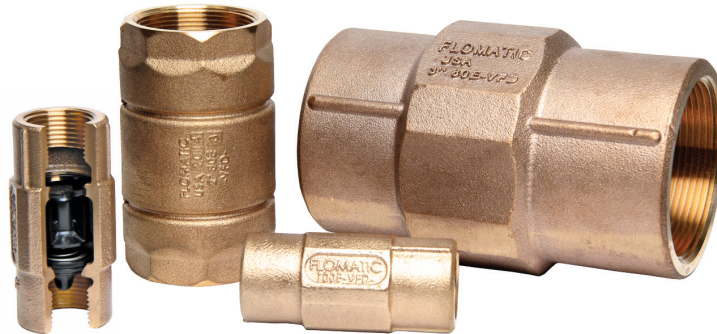
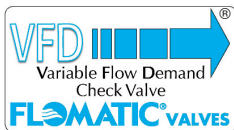


- Best Delivery and Stock Availability in the State
- Representing over 2500 Quality Suppliers
- Experienced Technical Field Support Team

A PART OF  **HEADWATER**
COMPANIES

FLOMATIC® VALVE

High Quality Valves Built to Last...



VFD Valves - Silent Checks

Unique Patented Design VFD Check Valves

(Also available in Ductile Iron and Stainless Steel 1" thru 8")

America's First Choice, Buy American and Hire American.

Patented submersible pump check valve for use on variable flow demand (VFD) systems and applications. Standard check valves will "chatter" and be noisy when the system goes to low flow, causing eventual failure. The unique valves are designed to minimize flow losses and hydraulic



VFD Tapped Valves

shocks in the pumping system. The exclusive patented poppet system ensures that the valve smoothly and automatically adjusts to flow changes and is noiseless at even very low flows. Ideal for all applications including non VFD systems.



FLOMATIC® VALVES
High Quality Valves Built To Last...



© 2017

Flomatic Corporation
15 Pruyn's Island Drive
Glens Falls, NY 12801

Phone: (800) 833-2040 • (518) 761-9797
Fax: (518) 761-9798 • www.flomatic.com
Email: flomatic@flomatic.com

NCGWA
PO BOX 41368
RALEIGH, NC 27629

FORWARDING SERVICE REQUESTED

NCGWA | 919-876-0687 | 919-878-7413 (FAX) | WWW.NCGWA.ORG



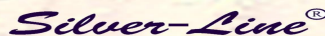
**Quality Products,
Quality People**

Now serving you from 3 locations in North Carolina!

Water Well ~ Irrigation ~ Environmental ~ Geothermal ~ Filtration ~ Wastewater



American Granby Inc.



Questions? Need Material?

Please visit our website
www.preferredpump.com
or contact our branches:

Western North Carolina

75 Fairview Road
Asheville, NC 28803
800.311.2657 (Toll Free)
828.274.1882
828.274.1882 (Fax)

Southern North Carolina

5235 David Cox Road
Charlotte, NC 28269
855.346.0128 (Toll Free)
704.509.4611
704.596.0611 (Fax)

Central North Carolina

203 South English Street
Greensboro, NC 27401
855.211.0689 (Toll Free)
336.373.5900
336.373.5999 (Fax)

We look forward to serving you!