

# The Driller's Digest

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*This newsletter is published as a service to certified well contractors and others in the groundwater industry. Suggestions for articles for publication in the newsletter are welcome.*

## New Attorney Assigned to Commission

by Drew Morgan, WCC Staff

During the August 11, 2009 meeting of the N.C. Well Contractors Certification Commission Assistant Attorney General Edwin L. Gavin, II announced his retirement from the Department of Justice. Mr. Gavin has served on the Commission as attorney/legal advisor since November 2004. After his announcement Mr. Gavin introduced Assistant Attorney General Rufus C. Allen as the Commission's newly assigned attorney/legal advisor.

Mr. Allen, a native South Carolinian, is a graduate of Vanderbilt University and Wake Forest Law School. He has practiced environmental law with the North Carolina Attorney General's office since 2005. Welcome aboard Mr. Allen!



Chairman Nykamp presenting Mr. Gavin his desk bar

## Revised GW-1 Form Now Available

By Amy Keyworth, DWQ- Groundwater Planning Unit

In response to drillers' requests, DWQ has made a number of improvements to the well construction record forms (GW-1a and GW-1b). The biggest improvement is that the new forms, available at [http://h2o.enr.state.nc.us/aps/gpu/forms.htm#well\\_con\\_aband](http://h2o.enr.state.nc.us/aps/gpu/forms.htm#well_con_aband), can be filled out and saved on your computer\*\* so that you don't have to re-type all of your information for every well you drill. There are several other improvements including but not limited to:

1. The latitude and longitude entry spaces are formatted for either degrees/minutes/seconds (DMS) OR decimal degrees. (And the degree, minute and second symbols are already there).

2. No more mixing up latitude and longitude. There are hints provided so

you have to enter latitude starting with a "3" and a longitude starting with a "7" or an "8". Also, the blanks for DMS degrees are limited to latitudes of 33° – 36° and longitudes of 75° – 84°.

All depth entries are now "Top" or "Bottom", so there's no question of whether "To" is to the top, bottom, beginning or end of a run.

Submission of the forms is the same - print, sign and mail or fax to the Information Processing Unit address on the form within 30 days of completing the well.

These and future improvements are all designed to make submitting the data more streamlined for you, the driller. They will also streamline processing, ensure accuracy, and improve the quality of the data in the Well Construction database.

\*\* Need Adobe Reader Version 8 or higher? Download the latest version at <http://get.adobe.com/reader/>

## Summary of Civil Penalty Assessments

*Penalties for violations of NCGS Chapter 87, Article 7 & 7A vary depending upon the particular facts and circumstances present in each case. Note: only finalized uncontested cases or cases not seeking remission and at the collection stage are included in this list (payment of fines and corrections of violations may already have occurred).*

### **Matt Hord**

Guilford County, NC. Allegations of contracting without the benefit of certification in violation of 15A NCAC 27. Assessed a civil penalty of one thousand dollars(\$1,000.00).

**Effective Date 8/7/09 Case # WCC 011-09**

### **Scott Leval**

Dare County, NC. Allegations of contracting without the benefit of certification in violation of 15A NCAC 27. Assessed a civil penalty of one thousand dollars (\$1,000.00).

**Effective Date 7/21/09 Case # WCC 012-09**

### **Ronald Keeter**

Currituck County, NC. Allegations of failing to properly grout a well to a minimum of 20 feet, failing to submit a well construction record, improperly locating a well too close to a building and improperly locating a well within a septic field in violation of NCAC 2C .0100. Assessed a civil penalty of six thousand two hundred dollars (\$6,200).

**Effective Date 8/18/09 Case # 2C-2009-002**

## Pump Tags

by Joanne Rutkofske, WCC Staff

With the revision of 2C .0100 Well Construction Standards taking effect September 1, 2009 there are some changes to the way pump installation information tags are now to be completed.

Pump installer registration numbers are no longer acceptable. The requirement to register as a pump installer was removed from 2C .0100 and all registration numbers expired on March 31, 2009.

The name of the certified well contractor along with that individual's certification number is now required. Please remember when filling out the pump tag to include the "NCWC" prefix before your certification number and the level after the number. A proper example is **NCWC 1234-A**.

For other revisions to the pump installation information plate requirements, please refer to 2C .0107 of the revised 2C .0100 rules.

## WCCC– Disciplinary Committee

by Drew Morgan, WCC Staff

### **Don Blackwelder**

For violations of 2C .0100 and Chatham County Well Regulations. The well contractor was given a letter of reprimand.

**Effective Date 7/1/09**

### **Dennis Fair**

For violations of Chapter 27, 2C .0100 and Chatham County Well Regulations. The well contractor was given a letter of reprimand.

**Effective Date 8/11/09**

### **Reuben Clayton, III**

For violations of 2C .0100 Well Construction Standards. The well contractor was given a letter of reprimand.

**Effective Date 9/23/09**

### **Brian Lilley**

For violations of 2C .0100 Well Construction Standards. The well contractor was given a letter of reprimand.

**Effective Date 9/23/09**

### **Randell Jones**

For violations of 2C .0100 Well Construction Standards. The well contractor was given a letter of reprimand.

**Effective Date 9/23/09**

### **Timothy Calicutt**

For violations of 2C .0100 Well Construction Standards. The well contractor was given a letter of reprimand.

**Effective Date 9/23/09**

### **David Delk**

For violations of 2C .0100 Well Construction Standards. The well contractor was given a letter of reprimand.

**Effective Date 9/23/09**

## Exam Dates Now Listed on Website

by Drew Morgan, WCC Staff

Dates for upcoming scheduled and out of cycle certification exams are now listed on our website. Remember to print out and complete a WCC-7 form prior to mailing payment to this office.

Please visit [www.ncwelldriller.org](http://www.ncwelldriller.org) on a regular basis as we are always making updates.

All current forms and applications are posted for quick, easy access.

Submittal of older, outdated forms may not be acceptable in most cases.

## Support for County Well Programs

by Joanne Rutkofske, WCC Staff

The Division of Environmental Health provides support for county well programs through the On-Site Water Protection Section. Three regional specialists authorize county registered environmental health specialists to permit and inspect domestic water supply wells. If you have questions regarding authorizations, permitting or inspections please contact the appropriate regional specialist.

Western- John Brooks, 828-713-3335  
 Northern- Wilson Mize, 919-218-5383  
 Southern- David Eudy, 919-218-7867

A map of the regional areas may be found online at [www.ncwelldriller.org](http://www.ncwelldriller.org).

## Bentonite Grout

by Landon Davidson, APS-ARO Supervisor

The use of bentonite products in well construction and abandonment are referenced throughout 2C Section .0100 as well as the supplementing memo of March 1, 2007 that specifically addresses use of chip and pellet forms of bentonite. As a reminder, please consider these general points in using bentonite products but refer to the rule and March 1, 2007 memo as well:

- Bentonite grout may only be used in those instances where specifically approved in the rule and only as recommended by the manufacturer. Most if not all manufacturers imply bentonite is to be mechanically mixed (eg, paddle mixer, mud-rotary recirculation, etc.) and often state that the product must be pump emplaced irregardless of depth. If you are mixing bentonite using another method, you must have documentation from the manufacturer (not a distributor) onsite and available for inspector review and approval;
- Emplacement below 20 ft. of land surface whether using chips, pellets or a bentonite grout must be done using a tremmie pipe. Below 20 ft. of land surface, bentonite grouts must be pumped or pressure forced;
- Grouting a liner using any bentonite product form is strictly prohibited; and,
- Always verify with the manufacturer of the bentonite product that you are using the product for its designed use. There have been instances recently where contractors were using the wrong bentonite product as an annular seal simply because this is what their supplier provided.

## North Carolina Well Contractors Certification Commission

1618 Mail Service Center / Raleigh, North Carolina 27699-1618  
 Telephone: (919) 733-0026 Fax: (919) 715-9433

### Commission Members

- Greg Bright**— Louisburg, NC
- Buck Demarest** – Raleigh, NC
- Chris Dickey**– Murphy, NC
- Benford Graham** - West End, NC
- Bill Hamlin**– Dobson, NC
- Bill Magette, Vice Chairman** - Ahoskie, NC
- John Nykamp, Chairman** - Greensboro, NC

### WCCC Staff (DWQ / BOG / WCCC)

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Jerry.Rimmer@ncdenr.gov
- Joanne Rutkofske** (919) 733-0026 x315 (CE, general info.)  
Joanne.Rutkofske@ncdenr.gov

## Certification Numbers Update

Total number certified.....1318  
 Total number of applicants for certification.....109  
 Certifications currently suspended.....0

## NC Division of Water Quality Aquifer Protection Section (APS)

*For assistance with well construction problems, or questions about well construction rules, contact your regional office- Aquifer Protection Section at:*

<u>Asheville</u>	828-296-4500
<u>Fayetteville</u>	910-433-3300
<u>Mooreville</u>	704-663-1699
<u>Raleigh</u>	919-791-4200
<u>Washington</u>	252-946-6481
<u>Wilmington</u>	910-796-7215
<u>Winston-Salem</u>	336-771-5000

APS website: <http://h2o.enr.state.nc.us/aps>

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1618 Mail Service Center  
Raleigh, NC 27699-1618

ADDRESS CORRECTION REQUESTED

Online at [www.ncwelldriller.org](http://www.ncwelldriller.org)

## Upcoming Continuing Education

by Joanne Rutkofske, WCC Staff

### American Groundwater Trust (CE Sponsor)

Contact: 603-228-5444

Date: **November 5, 2009** (8 PDH)

Location: Raleigh, NC

Topics: Ground Source Heating & Cooling

### North Carolina State University- Soil Science

Contact: [www.soil.ncsu.edu/training](http://www.soil.ncsu.edu/training)

Date: **(various)**

Location: Raleigh, NC

Topics:

- Fundamentals of Ground Water Hydrology (21 PDH)
- How to Control Turbidity on Construction Sites (6.5 PDH)
- Installation of Construction Site Erosion & Sediment Control Devices (5.5 PDH)

### North Carolina Groundwater Assoc. (CE Sponsor)

Contact: 800-889-7118, 919-876-0687

Date: **October 17, 2009** (8 PDH)

Location: Atlantic Beach, NC (Clam Digger)

Topics: Basic Chemistry of the Well

Marketing & How to Survive in a Down Economy

Current Technologies for Water Treatment

Grout: What, Why, and How

Date: **January 29-30, 2010** (8 PDH)

Location: Hickory, NC (Park Inn) \*tradeshow\*

Topics: TBA

For more ideas on finding continuing education, visit our website at [www.ncwelldriller.org](http://www.ncwelldriller.org)

## County Well Construction Permit

By Amy Keyworth, DWQ- Groundwater Planning Unit

When filling out well construction records for residential wells, please be sure to include the county well construction permit number (in the "Well Construction Permit #" blank). Tracking this information will make the data much more accessible and useful to local health departments, future well owners, and pump installers or well contractors who might work on the well in the future.