

Volume 12, No. 1

November 2008



DIVISION OF WATER, WATERSHED MANAGEMENT  
BRANCH, GROUNDWATER SECTION

# KENTUCKY DRILLER QUARTERLY

## Kentucky Driller Quarterly

November 2008 Issue

Kentucky Division of Water, Watershed Management Branch

### News of Interest

The new Kentucky water well, monitoring well and well driller certification regulations are now in effect. These regulations were developed by the cabinet in cooperation with the Water Well Drillers Certification Board and the Kentucky Ground Water Association. Listed below are a summary of the new regulations. You can view or print these regulations by going to the water well drillers program web site [www.water.ky.gov/gw/gwtech/gwdrill/](http://www.water.ky.gov/gw/gwtech/gwdrill/). You can also now download copies of the new Uniform Kentucky Well Construction Record, Uniform Kentucky Well Maintenance & Plugging Record and Kentucky Well Variance Request forms.

#### 401 KAR 6:001 "Definitions for Chapter 6"

- This is a new administrative regulation and provides definitions for the other administrative regulations in the chapter.

#### 401 KAR 6:310 "Water supply well construction practices and standards"

- This administrative regulation was last amended in 1991. The amendment updates the requirements to reflect advances in technology.
- This amendment established a performance standard for water supply wells requiring that well construction, modification or abandonment shall be done in a manner as to prevent the introduction or migration of contamination to a water-bearing zone or aquifer through the casing, drill hole, or annulus.
- The amended regulation modernizes the annulus seal requirements by requiring a minimum of sealing material to be used above the soil/bedrock interface or above the screen pack, as appropriate.
  - The amended regulation enhances and clarifies bored well requirements, especially regarding the upper terminus and the annular seal.
  - The time requirements for record submittal are extended from 30 to 60 days.

- The variance requirements are strengthened and clarified. Verbal variances are limited to emergency situations.
- The regulation prohibits the construction of driven point and jetted wells for potable use.
- The amendment specifies that vents shall be installed for new wells in which naturally-occurring methane is likely or known to occur.

**401 KAR 6:320** “Certification of water well drillers”

- The amended regulation eliminates the rig operator provision and requires individuals drilling wells to be certified in accordance with KRS 223.405.
- The amended regulation increases the continuing education requirement for annual certification renewal from three (3) to five (5) hours annually.
- The amended regulation clarifies the roles of the Cabinet and Kentucky Water Well Certification Board regarding disciplinary actions.
- The amended regulation clarifies penalties for non-compliance.

**401 KAR 6:350** “Monitoring well construction practices and standards”

- This new administrative regulation provides clear, thorough direction to drillers and facilities regarding monitoring wells. These provisions were previously part of a section in 401 KAR 6:310 Water Well Construction Practices and Standards.
- The performance standard requires that the well prevent the migration of contaminants into the well or aquifer through the borehole or annulus.
- This administrative regulation requires that temporary monitoring wells be abandoned within 72 hours.

**Bacteriological Sampling**

The Kentucky Division of Water has recently received several inquiries regarding the statutory requirement for drillers to sample water supply wells for bacteria after completing the well. This requirement has **NOT** changed. The Water Well Driller Certification Board has discussed this issue and recommended to the Secretary of the Energy and Environment Cabinet that this requirement be removed, which would require a statutory amendment by the legislature. As this time, no amendment has been filed to remove the requirement.

**DOW Reorganized – Offices Move**

The Kentucky Division of Water has recently reorganized from nine (9) to six branches. One part of the reorganization was the merger of the Groundwater Branch into the Watershed Management Branch. The Water Well Drillers program is now located the Groundwater Section located in the Watershed Management Branch. The Groundwater Section includes the water well drillers certification program, ambient groundwater monitoring program, technical assistance program, and the Groundwater Protection Plan program.

In addition to the reorganization, the Division of Water has moved its main offices to another location. The new address for the Division of Water is: 200 Fair Oaks, Frankfort, KY 40601. For those of you familiar with Frankfort, these offices are located just across Wilkerson Boulevard from our old offices on Reilly Road.

**Annual Training**

The amended water well driller certification regulation (401 KAR 6:320) now requires certified drillers to obtain five (5) hours of annual training. To ensure credit for training other than the Kentucky Ground Water Association’s Annual Driller’s Workshop, you **MUST** contact Joe Moffitt at the Water Well Drillers Certification

Program for pre-approval. Phone: 502-564-3410, ext. 4940, or e-mail [joe.moffitt@ky.gov](mailto:joe.moffitt@ky.gov)

Remember to obtain proper attendance documentation when attending any training to receive credit for your annual training requirement. This includes a signed certificate, training card or letter along with the training agenda.

The eight-hour OSHA refresher or 40-hour OSHA training is not acceptable for the annual training requirement.

### **Board Meeting**

The next scheduled meeting of the Kentucky Water Well Certification Board will be Jan. 9, 2009, at 9 a.m. at the Dale Hollow State Park. The board meetings are open to all well drillers and the public.

### **Groundwater & Water Well Search Information**

The Kentucky Geological Survey has developed a user-friendly data base on groundwater which can be located at: <http://www.uky.edu/KGS/>. Select Search Databases and Publications then select Groundwater Information.

### **Call 811 Before You Dig**

In compliance with the Kentucky Dig Law KRS 367.4901 to KRS 367.4917, any activity that results in the movement, placement, probing, boring or removal of earth, rock or other material in or on the ground requires the excavator to contact the One Call Center with adequate information regarding the dig. Remember...It's The Law!!! Kentucky 811 is open seven days a week, 24 hours a day to process locate requests or address questions regarding a

locate request. The toll-free number is 800-752-6007 or 811 (the National Three Digit Call Before You Dig phone number).

Each excavator is required to provide no less than two business days' notice or no more than ten business days prior to commencing work. Kentucky 811 does not factor state and federal holidays in the Two Business Day Notice required by law. When a Locate Request is submitted and a holiday falls within the Two Business Day Notice, then the date the holiday is observed will not be considered in the Two Business Day Notice. To view the current year's holiday list that affects the Two Business Day Notice, visit the Kentucky 811 Website at [www.kentucky811.org](http://www.kentucky811.org).

### **New Groundwater Section Supervisor**

We are pleased to announce that David A. Jackson has been appointed supervisor of the Groundwater Section in the Watershed Management Branch of the Division of Water to replace Jim Webb, who recently retired. David received his undergraduate degree in geology from the University of Kentucky and will earn his master's degree in geology from Eastern Kentucky University this December. David began his career with the department as a geologist in the Louisville Regional Field Office. David has worked as a geologist in the Division of Waste Management's Solid Waste Branch and, most recently, has been working as a registered geologist and project manager in the Superfund Branch. David brings a great deal of technical and programmatic experience to this job, as well as other great qualities. We are very excited to have him in the branch and leading the Groundwater Section.



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Division of Water  
Watershed Management Branch**

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<http://www.KentuckyUnbridledSpirit.com>

The Environmental and Public Protection Cabinet does not discriminate on the basis of race, color, national origin, sex, age, religion or disability and provides, on request, reasonable accommodations including auxiliary aids and services necessary to afford an individual with a disability an equal opportunity to participate in all services, programs and activities.

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