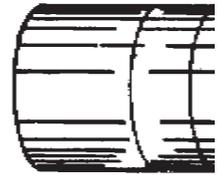


# The Connection



A Well Drilling Industry Newsletter



MISSOURI DEPARTMENT OF  
NATURAL RESOURCES

VOLUME 16 NUMBER 1

SPRING 2009

## GROUNDWATER PROTECTION FUND

On April 7, the department held a stakeholder meeting in Jefferson City to gather input from members of the public on proposed fee increases. The department gathered comments from stakeholders in attendance and will present them to the Well Installation Board at its next meeting.

The next Well Installation Board Meeting will be held at 10 a.m., May 15 at the Department of Natural Resources, 111 Fairgrounds Road in Rolla.

The rule that sets the maximums on fees has been amended and became effective Feb 2, 2009. The next step for the Well Installation Board is to look at the current fee structure and decide on actual fee amounts. These fees are collected in accordance with Section 260.623 RSMo and its implementing rule, 10 CSR 23-2.010.

If you have questions or need more information, contact the Department of Natural Resources Wellhead Protection Section at 573-368-2165.

## SPECIAL AREA 2 WELL CASING REQUIREMENT

The Department of Natural Resources is issuing special well casing requirements for Special Area 2 (Newton and Jasper counties) based on data collected from contaminated wells. These well casing requirements are being issued to better protect public health and prevent groundwater contamination. Please note, that

this notice supersedes the recommendation sent to contractors and dated Feb. 24, 2009 and became effective April 1, 2009.

Water from contaminated wells was sampled and analyzed for lead and cadmium. Water samples were taken from wells within the impacted area and were found to contain three times the maximum contaminant level for cadmium. The contaminated wells were used to determine the impacted areas.

The new requirements for Special Area 2 are as follows:

- The **WELL CASING REQUIREMENT OF 425 FEET** is for the following location: **SE ¼, Section 36, Township 26 North, Range 34 West.**
- The **WELL CASING REQUIREMENT OF 450 FEET** is for the following location: **NW ¼, Section 17, Township 28 North, Range 32 West.**
- The **WELL CASING REQUIREMENT OF 460 FEET** is for the following location: **SW ¼, Section 17, Township 28 North, Range 32 West.**

It would constitute a threat to the Ozark aquifer, an important source of Missouri drinking water, to allow wells to be constructed to Area 1 construction standards within these known impact areas. The Special Area 2 Impact Map will be modified in January 2010. Until that time, please attach these new requirements

to your current 2009 map. If you have any questions please contact the Department of Natural Resources' Wellhead Protection Program at 573-368-2170.

## WELL INSTALLATION BOARD NEWS

The Missouri Well Installation Board met at Port Arrowhead Resort in Osage Beach Feb. 23 for its regular quarterly meeting. The meeting was held in conjunction with the Missouri Water Well Association's annual conference. The agenda included several topics including updates on enforcement and current rulemakings. There was a presentation on the fee rule that had taken effect Feb 1. The board took comments on the topic of how to set the fees for the coming year. There were several comments on this issue. The department was directed by the board to conduct another public meeting to ensure all interested parties have input on the fees. The board decided to wait until their next meeting to make a decision on any fee increases.

The department held the public meeting April 7 in Jefferson City. All comments received will be presented to the board at the next quarterly meeting, May 15 at the department's Division of Geology and Land Survey, 111 Fairgrounds Road, in Rolla. Open session will begin at 10 a.m.

### **Congratulations!**

The department's Wellhead Protection Section held two drawings at the annual Missouri Water Well Convention in Lake Ozark. The drawings were for two \$50 credits toward permit renewal.

The winners of the drawings were:

- Joe Foppe—Foppe Well & Pump
- William Fennewald—N Fennewald Pump Service

## **A NOTE FROM THE MISSOURI WATER WELL ASSOCIATION**

The object of the Missouri Water Well Association, known also as MWWA, is to protect the quality of the groundwater through high construction standards, maintain the

well industry of Missouri on a scientific and efficient basis, keep water well drillers and pump installers informed of new developments and techniques in the industry and provide for mutual exchange of ideas to advance the industry.

MWWA has a voluntary Continuing Education program for water well and pump installation contractors. There are no fees for this certification; however, to become certified, a contractor must earn 12 CEU points during a 12-month period beginning March 1, and become a member of the MWWA. Many contractors took advantage of the association's Continuing Education program seminars; some of which were held in various locations in Missouri last year. The largest seminar was conducted by Franklin Electric in Branson in March 2008 with 68 in attendance. Franklin Electric conducted another seminar in June 2008 which also had good attendance. Continuing Education points may be earned by attending the following events:

- MWWA convention business meeting 4pts.
- MWWA convention seminars, 3 pts each.
- Well Installation Board meeting, 4 pts
- MWWA district meeting, 6pts.
- National Water Well Convention, 4pts,
- One day industry seminar, 4pts.
- View convention displays, 2pts.

MWWA tracks points earned by contractors throughout the year and certification is awarded at MWWA's annual convention. The four seminars conducted at the 2009 convention were:

- Drillers Beware! Safety and Loss, presented by Intercounty Electric
- Pumps and Water Systems, presented by H2OPTIMAL
- Groundwater Level Monitoring in Missouri (*50yrs of Ups & Downs*), presented by Jim Vandike, Missouri Department of Natural Resources, Water Resource Center
- Current Caterpillar Market, Fuel and Emissions Information, presented by Fabick Inc.



The following contractors reached their certification goal:

- James Rolens – A & M Pump Inc.
- Lindell Lindsey – A & M Pump Inc.
- James Cook – Ark-MO Well Drilling Co., Inc
- Bob Lawrence – Ark-MO Well Drilling Co., Inc
- Danny Breshears – Breshears Pump
- Robert Breshears – Breshears Pump
- Gerald Buetching – Buetching Drilling
- Jacob Buetching – Buetching Drilling
- William Lapaglia – Buetching Drilling
- Richard Burton – Richard Burton Drilling
- Dale Brower – Dale Brower Custom Digging
- David Schnell – David Schnell Drilling
- Shawn Schnell – David Schnell Drilling
- Kay Schnell – David Schnell Drilling
- Fred Douglas – Douglas Pump Svc
- Mike Douglas – Douglas Pump Svc
- Mark (Andy) McCullough – Drill it Well/DBA Hewitt-Messenger
- Kurt Jolander – Drill it Well/DBA Hewitt-Messenger
- Richard Linebagh – Drill it Well/DBA Hewitt-Messenger
- Joe Foppe – Foppe Well & Pump
- Fred Schoen – Geo Enterprises
- Jim Klinkhardt – Goggins Drilling
- Tom Gordon – Gordon Drilling
- Stanley P Grantham – Grantham Drilling
- J P Higdon – Ground Source Systems
- Greg Evans – Lefty's Pump & Drilling
- Bob Lamme – Lamme Drilling
- Doc McClanahan – Marler Pump
- Gary McCray – McCray's Welding
- Charlie Agee – Monette Well & Pump
- Hadley Vincent – Monette Well & Pump
- Larry Gipson – Monette Well & Pump
- Brad Hoyt – N. Fennewald Pump Service
- Kevin Pelton – Pelton Well Drilling
- Ray Pelton – Ray Pelton Pump
- Adam Pelton – Ray Pelton Pump
- William Blomberg – Reid Pump Service
- Tommy Schnell – Tommy Schnell Drilling
- Rex Trent – Trent Well Service
- James Wallace – Wallace Well Service
- Stevie Crawford – Wideman Well Drilling
- James Willey – Willeys Well Drilling
- Allen Willey – Willeys Well Drilling

- Mike Woolsey – Woolsey Well Service
- Clinton Mahan – Woolsey Well Service
- Mark Woolsey – Woolsey Well Service
- Ben Woolsey – Woolsey Well Service

If you would like more information regarding the MWWA Continuing Education Program or the association in general, contact Mike Woolsey, Continuing Education Director by phone at 417-932-6926, by fax at 417-932-6936, or by e-mail at [Woolsey.mike@yahoo.com](mailto:Woolsey.mike@yahoo.com).

## **MONITORING WELL RULE AMENDMENTS STATUS**

The department's Wellhead Protection Section is in the process of amending the Monitoring Well Rules. The section drafted the rule amendments and held five stakeholder meetings to gather input. The focus of the amendments is to bring the rules up-to-date with new technology that emerged since the rules were written in 1994. Currently, anything not covered in the rules has to be addressed by using the variance procedure.

After the stakeholder meetings, staff incorporated the suggested changes into a new draft and mailed it out to companies that employ permitted monitoring well contractors. They were given a Feb. 10 deadline for providing more comments. At the Feb. 23 Well Installation Board meeting, the board directed staff to consider and possibly incorporate those comments and begin working on a regulatory impact report. This report will be presented to the board for approval at the May 15 meeting in Rolla.

Upon the board's approval, the report will be published in at least one newspaper of general circulation with an average circulation of twenty thousand or more and will be posted on the department's Web site. The public will be given at least 60 days to submit comments, which will be responded to prior to promulgating the rule.

After that step has been completed, the Well Installation Board will be asked to approve and vote to file the proposed rule with the Secretary



of State's Office to be published in the *Missouri Register*. The regulatory impact report will be provided along with the proposed rule to the joint committee on administrative rules. That begins another comment period with a public hearing. We encourage input from anyone affected by these amendments.

For more information, call the Wellhead Protection Section at 573-368-2165.

## NEW STAFF

In mid-January the Wellhead Protection Section hired new unit chief, Chris Wieberg. Wieberg supervises the section's field staff and is in charge of supervising the investigation and remediation activities of the section. Feel free to contact him at 573-368-2167.

## SIGNATURE OF PRIMARY CONTRACTOR

According to section 256.607.3 of the Water Well Driller's Law, any person acting as primary contractor in the construction, alteration, major repair or abandonment of any well shall be required to obtain a permit from the Department of Natural Resources and comply with all rules and regulations. In 10 CSR 23-1.050, one of the rules that implement this law states "Persons who contract the drilling of wells, installation of pumps or both **but do not drill the wells or set the pumps** must be permitted" The permits for those who do not perform the work are restricted. In 10 CSR 23-1.090, the rule states that "Restricted permits are issued to persons who only contract the work specific to the type of permit requested or to primary contractor on-site supervisor."

What this mean, is that if you supervise a driller or pump installer, you must have a permit. If you direct the work of a driller or pump installer, you need a permit. Examples of how we apply this law and these rules include the following:

- You contract with a client to drill a well and install a pump. However, you will drill the well yourself but plan to subcontract the pump installation. You must have at least a

restricted pump installer's permit since you are the primary contractor.

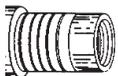
- If you are a consultant that has a client that needs monitoring wells and you contract that work, you need at least a restricted permit.
- If you install ground source heat pump systems and hire a driller to drill the holes for the system, you need at least a restricted permit.

The certification or registration report form must be submitted illustrating the construction details of the work performed. This includes the permit holder's name and permit number. Also, both parties in these situations must sign the certification or registration record. The definitions of all of the different types of contractors state that they are "persons including owner, operator or drilling supervisor who engages for compensation in the drilling , boring coring, or construction of any well in the state." The contractors' signatures on the form certify that the activity performed is done in accordance with the construction rules that pertain to that activity. The form is required to be filled out completely, including signatures of all permittees involved in the work.

## WELCOME

The following individuals are now part of the Department of Natural Resources-permitted contractor community:

- Appliance Parts Specialists dba Aire Solutions – Timothy Funke
- Atkisson Pump Service – Thomas Atkisson, James Baslee
- Bales Construction – Brandon Bales
- Barr Engineering – Robert Murphy
- Burns & McDonnell – Eric Dulle, Christina Stewart
- Camp Dresser & McKee – William Wright
- Central MO Plumbing – Kevin Frank
- Coastal Construction LLC – Josh Chipman
- Drill It Well – Thomas Willis II
- Enviroguard Drilling – Daniel Bandimere
- Flynn Drilling – Kurtis Johnley, Daren Seeger, Steven Fuller, Kenneth Johnley,



- Jonathan Wegener
- Gary Sisk Drilling – Jarell Sisk
- Hancock Refrigeration & Heating – Edgar Hancock, Brady Hancock
- Hyndrich Pump Service – Michael Hydrich
- Kuster, Paul
- Midwest Mechanical Co LLC – Larry Logan
- MWH – Josh VanWinkle
- MoDNR – Christopher Wieberg
- Raimonde Drilling – Anne Leslie
- Ray Pelton Pump – Adam Pelton
- Stantec Consulting Services – William Lawrence
- Terracon – James McDonald, Brian Stephens
- Tichenor Drilling – Daniel Boyd

## FAREWELL

The people addressed below are no longer permitted to operate as contractors according to the Water Well Drillers Act and Well Construction Regulations:

- Air Brokers HVAC – Gemma McKee-Bartholomew
- CH2M Hill – Rachel Grand, Laura Crause
- City of West Plains – Sam Gunter
- Earth Energy – George Goins
- Earth Science Solutions – Jason Davis
- Environmental Operations – Tyler Hemry, Michael Flanigan
- Flynn Drilling – Lewis Stone
- Geotechnology – Justin Perry
- Golder Associates – Matthew Foresman
- Grace, Steven
- Harlans Well Drilling – Thomas Harlan
- Hilgedick Electric Service – George Hilgedick
- House, Devin
- Innovative Probing – John Upcraft
- Jay Marshall Pump – Jay Marshall
- John Cozort Pump Sales – Johnny Cozort
- Kleinfelder – Aaron Nicoski
- L & J Pump & Drilling – Gary O’Day
- Leggette Brashears & Graham – David Hume
- LFR – Joanne Mitock, Michael Caudill
- Mills Water Well Drilling Service – James Mills
- MoDNR – Michael Chalfant

- Richard Simmons Drilling – Richard Simmons, Marty King
- Rupp, Joshua
- Schroefer Well Drilling – Timothy O’Shia
- SLA Environmental Services – Michael Sewell
- Stoner, Joshua
- Stuart Well Drilling – Bobby Burrow
- Taylor, Kara
- Terracon – Alicia Hirschbuehler, Vince Domenico
- Tronox LLC – Jamilee Poor
- URS – William Howland, Christopher Decioccio
- Young, Lori

## WELLHEAD PROTECTION SECTION PHONE NUMBER LISTING

573-368-2165

### **Beth Marsala**

Section Chief

573-368-2171

Information on legislation, rulemaking and policy.

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### **Sheri Fry**

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Technical assistance in the area of regulations, well certification, enforcement procedures and policy development. Rulemaking. Permitting and testing information. The Connection newsletter.

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Chris Wieberg

Unit Chief—Investigation and Remediation Unit  
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Field investigation and enforcement, variances, casing depth information, and well construction information.



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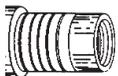
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Editor's Note: The Connection is published quarterly by the Missouri Department of Natural Resources' Division of Environmental Quality. If you have any suggestions, ideas or comments concerning this newsletter, please let us know. Send comments to: Missouri Department of Natural Resources, Wellhead Protection Section, P.O. Box 250, Rolla, MO 65402-0250, by phone to 573-368-2165, or by fax to 573-368-2317.

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