

## 2011 Missouri Department of Natural Resources' Water Well Technology Conference

Hosted by The Missouri Department of Natural Resources at the U.S. Geological Survey facility located at 1400 Independence Road, Rolla, Missouri



**Please note: Lunch is on your own.**



**MISSOURI DEPARTMENT  
OF NATURAL RESOURCES**

Division of Geology and Land Survey

[dnr.mo.gov/geology](http://dnr.mo.gov/geology)

### Continuing Education Points

Attendance at the McEllhiney Lecture will qualify for 1.5 continuing education points (CEPs) in the NGWA Voluntary Water Well Construction and Pump Installation Certification Program.

(Some states with continuing education requirements may recognize the McEllhiney Lecture for credit, as well.)

Missouri Department of Natural Resources  
Division of Geology and Land Survey  
P.O. Box 250  
Rolla, MO 65402-0250



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## *You are invited to attend the* **2011 Missouri Department of Natural Resources' Water Well Technology Conference**

June 29, 2011 • 10 a.m. – 4 p.m.  
1400 Independence Road • Rolla, Missouri



**Sponsored by**



**MISSOURI DEPARTMENT  
OF NATURAL RESOURCES**

Division of Geology and Land Survey

## Featured Speaker

### Tom Christopherson

The Nebraska Grout Task Force Research:  
*Unexpected Results–New Solutions*



Tom Christopherson is the National Ground Water association's choice as its 2011 McElhiney lecturer. He is the program manager for the Water Well Standards and Contractor's Licensing Program for the Department of Health and Human Services/State of Nebraska and has served in that capacity since February 2004. Tom joined the State

of Nebraska in 1994 as a water supply specialist conducting field inspections and working with licensed water systems professionals. He serves on many of the developmental subcommittees for Title 178 regulations. In 2008, Tom participated in NGWA's task force for rewriting the grouting section of the Manual for Well Construction. Since 1999, Tom has served as the public information contact person and project co-coordinator for the Nebraska Grout Task Force project. He is executive secretary to the Governor's Licensing Board for the State of Nebraska. In 2008, Tom was chosen as a Supervisor of the Year for the Department of Health and Human Services.

Tom was co-owner of B.G. Christopherson & Sons, a local water well drilling and systems service company located in eastern Nebraska. From 1984-1986, he attended the University of Nebraska-Omaha, studying geology and business management on a part-time basis. Tom holds a state-issued Water Well Drilling and Pump Installation Contractor's license. With more than 25 years experience in mud rotary drilling techniques and water system design and more than 12 years experience with the State of Nebraska in water regulation enforcement and inspections, Tom brings a unique perspective to his position of program manager.

### John Schumacher

United States Geological Survey  
Water Resources Division, Rolla, Missouri  
*Borehole Geophysics and Packer Testing*

John G. Schumacher began his career with the U.S. Geological Survey in 1987 as a project geochemist after a completing a short tour with the U.S. Army Corps of Engineers (1985-87). Presently, John is Chief of the Hydrologic Investigations Section for the USGS Missouri Water Science Center in Rolla. While at USGS, he has worked on a variety of investigations such as the water-quality and geochemistry of springs, radionuclide transport and degradation of explosive compounds, the use of trees to map subsurface chlorinated solvent contamination, and more recently, the use of borehole geophysical tools to determine sources of contamination and understand complex flow and water-quality issues in public-supply wells. John has authored more than 25 peer review scientific publications. John received a Bachelor of Science degree in Geology from Kansas State University in 1984 and Master of Science degree in Geology from Kansas State University in 1987.

### James E. Vandike

Missouri Department of Natural Resources  
Water Resources Division, Rolla, Missouri  
*Conducting Pump Tests*

James E. Vandike has been a hydrogeologist with the Missouri Department of Natural Resources for 32 years, and is currently the chief of the Groundwater Geology Section at the department's Water Resources Center in Rolla. He also serves as a lecturer at Missouri University of Science and Technology (formerly UMR) and teaches two courses in hydrogeology. Jim received a Bachelor of Science degree in Earth Science Education from Northeast Missouri State University in 1975 and a Master of Science degree in Geology from South Dakota School of Mines and Technology in 1979.

## Water Well Technology Conference

### AGENDA

9:45 a.m.	Welcome
10 a.m.	<b>Tom Christopherson</b> National Groundwater Association 2011 McElhiney Lecturer The Nebraska Grout Task Force Research: <i>Unexpected Results – New Solutions</i>
11:30 a.m. - 1 p.m.	Lunch on your own
1:15 p.m.	<b>John Schumacher</b> U.S. Geological Survey <i>Borehole Geophysics and Packer Testing</i>
2:30 p.m.	Break
2:45 p.m.	<b>James E. Vandike</b> Missouri Department of Natural Resources <i>Conducting Pump Tests</i>
4 p.m.	Adjournment

Call 573-368-2165 or see website for  
additional information:  
[dnr.mo.gov/lecture](http://dnr.mo.gov/lecture)

## CONFERENCE REGISTRATION

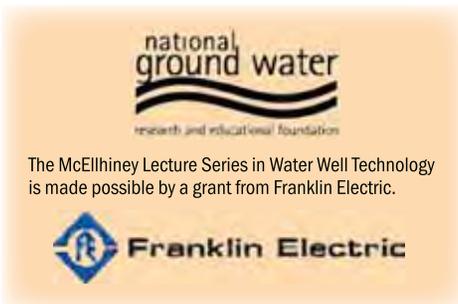
Register and mail by June 10, 2011

Name \_\_\_\_\_  
Affiliation \_\_\_\_\_  
Address \_\_\_\_\_  
City/State/Zip Code \_\_\_\_\_  
Daytime Phone Number \_\_\_\_\_  
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Mail registration to:  
Missouri Department  
of Natural Resources  
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Register Today  
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The McElhiney Lecture Series in Water Well Technology  
is made possible by a grant from Franklin Electric.

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