

Wisconsin Ground Water Association Newsletter



President's Message

Greetings WGWA Members!

I hope each and every one of you has had a wonderful summer. The fresh, cool air we have been experiencing is a great reminder that fall, and the WGWA Fall Field Trip, are right around the corner. Our President-elect Jim Drought and his planning committee are in the final planning stages for the Fall Field Trip, scheduled to begin and end at the Delafield BrewHaus on Saturday, September 19th (see details below). This year's trip will be an exciting tour of some very interesting places of historical and hydrogeological significance, sure to engage participants of any background.

As part of WGWA's renewed efforts to disseminate groundwater knowledge to those outside of the groundwater professional arena and provide a forum for discussion of groundwater-related issues, the first of a series of WGWA Lectures was held at MSOE on July 22, 2009. The event, titled "The Southeastern Wisconsin Groundwater Study – Findings and Projections for Future Demand and Supply" was well attended by a wide range of participants, and all were treated to wonderful presentations given by Daniel Feinstein, Dr. John Jansen and Robert Biebel. Electronic files for the presentations can be found on the WGWA website, under the "events" page.

The second lecture in the series, "Wisconsin Closure Protocol Study," is scheduled for November 12, 2009. Theresa Evanson of the WDNR and Laurie Parsons of Natural Resource Technology, Inc. will discuss the evaluation of the use of natural attenuation as a closure alternative under Chapter NR 726 of the Wisconsin Administrative Code. Look for an invitation to the meeting in an upcoming WGWA Note.

● [Treasurer's Report](#)

● [Interesting Articles and Other Tidbits on the Web](#)

Great Lakes, Great Peril

A series examining challenges facing the Great Lakes in what experts forecast will be the century of water.

[<<MORE>>](#)

So you think you can dance! Well be careful! It's slippery when wet and the water itself may dance better. Read further to evaluate the competition.

[<<MORE>>](#)

● [Conferences, Meetings, and Courses \(September-December\)](#)

[Conferences and Meetings](#)

October 12 – 15: Midwest Ground Water Conference – 2009 McElhiney Lecture and NGWREF Darcy Lecture; St. Louis, MO

October 19 – 20: Federation of Environmental Technologists (FET) – 2009 Conference; Pewaukee, WI

October 21 – 22: IGSHPA Technical conference and Expo 2009; Grapevine, TX

October 22 – 23: Water and Land for Renewable Energy in the Southwest; Tucson, AZ

October 26 – 28: Association of State Drinking Water Administrators – 24th Annual Conference; Portland, OR

October 12: Indiana Ground Water Association – Bi-annual Convention & Trade Show; Kokomo, IN

In other news, our alliance with the Milwaukee 7 Water Council has been forged. I attended Water Summit III at the Pilot House of Discovery World on July 20, 2009 and was impressed with the diversity and vitality of the group and I look forward to growing the relationship and developing partnership opportunities with the Water Council within the near future.



So, if you haven't been an active member of WGWA for some time, or you casually read the Newsletter and the Notes, but don't regularly attend events, now is the perfect time to get involved. Our lecture series luncheons take only a few hours of your day, but offer an invaluable opportunity to keep up to date with current groundwater issues and network with folks from a variety of disciplines. The Field Trip is another great opportunity to learn and socialize in a casual atmosphere. For those of you that can't make the trip, feel free to drop in on us at the Delafield BrewHaus at about 6 pm on Saturday evening. A great time will be had by all!

Best regards,

Paula Richardson
WGWA President

WGWA 2009 Fall Field Trip: A Glacial and Bedrock Tour of Southeast Wisconsin September 19, 2009

Buses will load at the Delafield BrewHaus at 8 am to begin our adventure. Participants will enjoy guided and interpretive tours of the following unique features:

- Southern Unit of Kettle Moraine
- Active Quarry in Waukesha County
- Waukesha Silurian Springs
- Drumlin Fields of Jefferson County
- Glacier Hills County Park
- Catered lunch at Lannon Park in Menomonee Falls
- Waukesha Waste Water Treatment Plant
- Environmental Remediation and Waste Treatment Facility
- Post-event Hospitality at BrewHaus

To register please return the form on the next page with payment as indicated. For more information, please feel free to contact James F. Drought (414) 291-2362. Register on-line by clicking [here](#).

Courses and Online Seminars

September 22 – 23: Aquifer Testing for Improved Hydrogeologic Site Characterization; Fort Collins, CO (Midwest Geosciences Group – <http://www.midwestgeo.com>)

October 19 – 20: The Complete Ground Water Monitoring Well Design, Construction and Development Field Course; Denver, CO (Nielson Environmental Field School – <http://www.envirofieldschool.com/>)

October 19 – 23: The Complete Ground Water Monitoring Field Course; Denver, CO (Nielson Environmental Field School – <http://www.envirofieldschool.com/>)

October 21 – 23: The Complete Ground Water Sampling Field Course; Denver, CO (Nielson Environmental Field School – <http://www.envirofieldschool.com/>)

October 28: Water Supply and Ground Water Well Design; On-line (Lorman Educational Services – <http://www.lorman.com/>)

November 9 – 11: The Complete Ground Water Sampling Field Course; Las Cruces, NM (Nielson Environmental Field School – <http://www.envirofieldschool.com/>)

November 12 – 13: The Complete Surface Water & Sediment Sampling Field Course; Las Cruces, NM (Nielson Environmental Field School – <http://www.envirofieldschool.com/>)

EPA Ground Water Related On-line Courses

[see <http://www.clu-in.org>]
September 17 (10 AM – 12:15 PM CDT): An Improved Understanding of LNAPL Behavior in the Subsurface – State of Science vs. State of Practice

September 22 (1 PM – 3:15 PM CDT): LNAPL Characterization and Recoverability – Improved Analysis

October 6 (1 PM – 3:15 PM CDT): Use of Risk Assessment in Management of Contaminated Sites



Wants and Needs of the Wisconsin Ground Water Community!

In July of 2008, we distributed a questionnaire to each member of the Wisconsin Ground Water Association in order to help with the planning and guidance of future activities. I'd like to thank Sharon Templeton and Joan Viney for helping put it together.

[<<MORE>>](#)

Is Your Community Planning to Protect Your Drinking Water?

For most of us in Wisconsin, the water we drink comes from right below our feet. In fact, 97% of communities rely on groundwater as their drinking water source. Groundwater is Wisconsin's invisible resource – our buried treasure. Protecting groundwater from contamination and overuse is vital to the health of Wisconsin's people, ecosystems, communities, and economy.

[<<MORE>>](#)

Many private, rural wells in Wisconsin not tested for contamination

When Diane Tomlinson turns on her kitchen tap to fill a glass or a cooking pot, she takes a moment to appreciate the water flowing from the faucet.

In the spring of 2008, tests of the private well that serves her rural home near Poynette showed unsafe levels of atrazine, an agricultural herbicide linked to numerous health impacts including reproductive problems and cancer, in her home's water. Eventually, Tomlinson found that her income qualified her for money from the state's well compensation fund and she was able to have a new well built in January.

[<<MORE>>](#)

October 20 (1 PM – 3:15 PM CDT): An Improved Understanding of LNAPL Behavior in the Subsurface – State of Science vs. State of Practice

October 22 (10 AM – 12:15 PM CDT): LNAPL Characterization and Recoverability – Improved Analysis

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Get Yourself Published

We are looking for articles for future editions of the WGWA newsletter. Articles should be 1 to 8 pages in length and can include photographs and graphics. Articles should be generally technical in nature focusing on groundwater or environmental topics, but non-commercial or political.



November 12, 2009 Luncheon Seminar: The Wisconsin Closure Protocol Study

The WGWA Lecture Series will continue with a luncheon seminar on November 12, 2009 at the law offices of Reinhart Boerner in Pewaukee, Wisconsin. The meeting will begin with a catered lunch served at 12:00 noon, and the presentations will begin at 12:30 p.m. The guest speakers will include Ms. Theresa A. Evanson, P.H, Hydrogeologist with the Wisconsin Department of Natural Resources (WDNR) and Ms. Laurie L. Parsons, P.E., P.H., President and Principal Engineer of Natural Resources Technology (NRT). The luncheon seminar will be moderated by Mr. James F. Drought, P.H., Vice President of Shaw Environmental, Inc. and President-Elect of WGWA.

The presentation topic for the luncheon seminar will be the Wisconsin Closure Protocol Study. The Study was completed in 2009 and included an evaluation of the closure decisions used by the WDNR in 1999 and 2000 where natural attenuation was used as a sole or partial remedy. The Study included a detailed data analysis of 123 sites, and supplemental investigation activities on an additional ten sites.

Ms. Evanson will discuss the scope, results, and recommendations of the Study. Ms. Parsons, a member of the Study Advisory Group, will discuss the results of the Study from the perspective of industry and the regulated community.

A detailed invitation and registration form is currently under preparation and will be distributed to all WGWA members and interested persons in late September. The registration form will also soon be posted on the WGWA web-page. The seminar will be co-sponsored by Reinhart Boerner and NRT.

Interested participants can contact either Mr. Aaron Schneider (ASchneider@fsnw.com), Southeast Wisconsin WGWA Coordinator or Mr. James Drought (James.Drought@shawgrp.com) for further information or questions.

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Ground Water Sand Model Reservations

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