

WISCONSIN GROUND WATER ASSOCIATION NEWSLETTER

3RD QUARTER 2014, VOL. 28, No. 3

Letter from the President:

Greetings WGWA Colleagues!

Here are some "Save the Dates" for upcoming WGWA events:

September 17th - Please join WGWA at for our Fall Lecture Series in Milwaukee (AECOM is hosting us at Schlitz Parkway). Gerry DeMers and Mike Zillmer of the WDNR will be speaking on the newly adopted guidance for reducing groundwater monitoring at landfills.

October 3rd - Our field trip committee is nailing down the location for our Fall Field Trip. Watch your inbox for details, and contact [Chris Lawn](#) if you'd like to help plan.

November 6th – Our Fall Lecture Series continues in Milwaukee (Hosted at NRT's office). Marian Singer and Nicholas Hayes, co-founders of WellIntel are our guest speakers. They will present on how the sensor technology they have developed is providing easier and better water supply data to groundwater well owners, improving a homeowners or farmers changes of avoiding a pump running dry.

As summer comes quickly to a close, just a reminder that the WGWA board and subcommittees would love to hear from you. If you have an interest in a board position (e.g. Secretary, President-Elect, etc.) please contact us. Board positions typically begin with the new year and now is the time to let us know if you are interested in becoming more involved.

-Jodie Peotter



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BOARD MEETING MINUTES

Board Meeting Minutes are archived on the WGWA website and can be found [here](#)

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GROUND WATER RELATED CONFERENCES, MEETINGS, AND EVENTS

- Sept 9—Caves of Door County DVD Presentation at the Northeastern Wisconsin Technical College. 1:00-3:00PM. 229 N. 14th Ave, Sturgeon Bay, WI.
- Sept 17—WGWA Lecture Series Luncheon. Milwaukee, WI. Gerry DeMers and Mike Zillmer of the WDNR will present on the newly adopted guidance for the reduction of groundwater monitoring in Wisconsin landfills. Sign-up [here](#).
- Sept 18— Free lecture on “Gravity Recovery and Climate Experiment” by Dr. Jay Famiglietti. 7 PM at the Student Center of the University of Minnesota’s St. Paul campus. More details [here](#).
- Sept 27— Gaylord Nelson Wilderness Act Celebration. 1:00—3:00 PM in Bayfield, WI. For more information and registration, click [here](#).
- Sept 27 — Six-hour workshop at Crossroads in Big Creek in Sturgeon Bay, WI. Instructors will focus on two aspects of climate science-meteorology and phenology, includes hands-on lab time. \$12 registration. Contact [Sherrill Anderson](#) for registration.
- Sept 28— Abstracts are due for the 2015 NGWA Groundwater Summit. Submit online [here](#).
- Oct 3— WGWA 2014 Fall Field Trip. Details are being finalized. Please stay tuned to the WGWA [website](#) and save the date!

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Save the Date!

WGWA Lecture Series

Wednesday, Sept. 17th

11:30am Networking, Noon Lunch & Presentation

Hosted by: AECOM @ Schlitz Parkway
1555 N. RiverCenter Drive
MILWAUKEE, WISCONSIN

Gerry DeMers, P.E. and Mike Zillmer- WDNR SE Region
Waste and Materials Management Program

Gerry and Mike will be speaking on the newly adopted guidance on the reduction of groundwater monitoring in Wisconsin landfills

Registration Form [Here](#)

E-mail registration to [Becky Caudill](#)

Thursday, November 6th

Hosted at: NRT - Conference Room
MILWAUKEE, WISCONSIN

WGWA Presents **Marian Singer and Nicholas Hayes, co-founders of WellIntel**. Come learn how the sensor technology they have developed is providing easier and better water supply data to groundwater well owners. Homeowner and farmers alike depend on groundwater well data. WellIntel provides information about the water level in the well and how it is changing over time, if the well is replenishing fast enough (or not), and will let the well owner decide what to do about it and when. This helps avoid costly, unexpected breakdowns. And well owners can choose to share what they know about the groundwater with neighbors, friends, and national databases. This event will feature the presentation from Marian and Nicholas, a catered lunch, and networking with other industry professionals.

Sign up details will be emailed and posted to the WGWA website in late September

WGWA Field Trip

Friday, October 3rd

Topic/Tour: Frac Sand Mine

Planning is still in the works, stay tuned for details. **Mike Parsen** (WGNHS) will be speaking at the field trip about groundwater uses during the mining lifecycle.

More details will be emailed and posted to the WGWA website



- Oct 10-12— Autumn Assembly, Phantom Lake YMCA, Mukwonago, WI. Click [here](#) for more details on the event.
- Oct 21-22 — Wisconsin Ecology 20th Annual Fall Symposium at UW-Madison. Click [here](#) for more details.
- Nov 2 — Rock River Coalition 20th Anniversary Celebration: 2:00-6:00 PM, Koshkonong Mounds Country Club, Fort Atkinson, WI.
- Nov 6— WGWA Lecture Series Luncheon. Milwaukee, WI. Marian Singer and Nicolas Hayes (co-founders of WellIntel) will discuss how the sensor technology they have developed is providing easier and better water supply data to well owners. Sign-up details to come, check our [events page](#).
- Dec 9-12 — NGWA 2014 Groundwater Expo and Annual Meeting. Las Vegas, NV. For more information, click [here](#).

UPCOMING COURSES AND WEBINARS

- Aug 26 — “What Makes a Good Seal...Beyond the Grout Study”. Hour long presentation available online [here](#).
- Aug 27 — “Western Water Rights and Groundwater Administration” Webinar [here](#).

Frac Sand Mining

Environmental Research Webinar



Frac Sand Mine in Minnesota

Approximately 200 participating sites with some sites hosting multiple people participated in the Webinar on June 18, 2014. The purpose of the webinar was to update the Wisconsin Frac sand mining industry and local communities with current information on the most recent environmental research findings and recommendations for air, water and land resource protection.

Speakers included:

- **Opening Comments and Introduction:** Anna Haines; Center for Land Use Education; UW-Extension/ UW-Stevens Point
- **Ability for Frac Sand to Emit Crystalline Silica – Potential Health Risks:** Dr. Crispin Pierce UW- Eau Claire - University of Wisconsin-Environmental Public Health Program
- **EOG Resources Air Emissions Air Monitoring for Crystalline Silica at PM4 - Preliminary data from four facilities in Chippewa and Barron counties:** Dr. John Richards - Air Control Techniques
- **Study to Evaluate the Impact of Frac Sand Mining on Groundwater & An overview of other WGNHS research projects on the geology of frac sand:** Mike Parsen & Jay Zambito - Wisconsin Geological and Natural History Survey
- **Economic Impact of Frac Sand Mining:** Dr. Steve Deller - UW Extension - Madison & Agricultural/Applied Economics Department

A wide range of participants from Minnesota and Wisconsin participated in the webinar including: mine owners, consultants, regulators, legislators, environmental attorneys, environmental organizations, local governments, and general public.

(Continued on page 5)

UPCOMING COURSES AND WEBINARS (CONTINUED)

- Sep 10 — “Environmental Isotopes in Groundwater Studies: Groundwater in Aquitards” Webinar [here](#).
- Sep 17 — “Reducing Problematic Concentrations of Microorganisms in Residential Water Well Systems” Webinar [here](#).
- Oct 13-16 — “Fracture Trace and Lineament Analysis: Application to Groundwater Characterization and Protection” 4 Day Course. More information [here](#).
- Oct 15 — “Reducing Problematic Concentrations of Iron and Manganese in Residential Water Well Systems” Webinar [here](#).
- Nov 10-11 — “Applications of Groundwater Geochemistry” 2 day course. Information [here](#).
- Nov 12 — “Reducing Problematic Concentrations of Nitrates in Residential Water Well Systems” Webinar [here](#).
- Dec 2 — “Groundwater and Salt Town Hall: Restoring the Equilibrium After Severe Weather Events” Webinar [here](#).

INTERESTING ARTICLES AND OTHER TIDBITS ON THE WEB

- Do we have the right to water? Article [here](#).
- Pterosaur eggs found with parents. Article [here](#).

FRAC SAND MINING (CONTINUED)

Feedback from the participants was very positive: "I did enjoy the webinar. Surprising to learn was the number of facilities operating in the State and the huge economic impacts on the local communities." Gerard Rewolinski -Senior Landscape Architect, Stantec, Mequon, WI. "I thought the webinar was nicely done. I did wish there was more time for questions and clarification on some of the data presented. " Randy Poelma -Aquatic Biologist, Ho-Chunk Nation Dept. of Environmental Health, Black River Falls, WI

Sponsors of the webinar included: Wisconsin and Minnesota American Institute of Professional Geologists, Wisconsin Groundwater Association, Society for Mining, Metallurgy & Exploration and the American Planning Association – Wisconsin Chapter (APA-WI).

To access the PowerPoint and the webinar through the CLUE YouTube channel, the link is: <http://www.uwsp.edu/cnr-ap/clue/Pages/publications-resources/AreasofPlanning.aspx>

You can contact Anna Haines for questions on the CLUE website. Her email address is: ahaines@uwsp.edu

Call For Abstracts!

Take advantage of this opportunity to share your research at the 2015 Groundwater Summit taking place March 16-18 in San Antonio, Texas! Abstracts will be accepted [online](#) through **September 28, 2014**.

As the industry's preeminent technical conference, NGWA's Groundwater Summit provides you with unparalleled opportunities to not only share your research, but to also learn from leading experts and collaborate with hundreds of your peers.

Submissions for the event that will be "Offering Solutions to Groundwater Challenges" may address broad or niche areas, research projects or case studies, management or policy challenges, or local or transboundary issues. Abstracts may be submitted on any topic related to groundwater science.

Students, please take note -- if your abstract is accepted/presented, you will also have the chance to receive one of [four \\$1,000 Farvolden Awards](#).

Do you have a job or ad you'd like to post in the WGWA newsletter?

WGWA accepts submittals for a small fee.

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