

FYI: Continuing Ed for Certified Contractors

These courses are designed as continuing education for individuals certified in erosion and sediment control practices by the Department and is required for re-certification, but anyone interested in increasing their knowledge may view it. For those wishing to receive re-certification credit, further instructions are provided in the course itself.

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(Available on CD-ROM or online. To request the course and materials on CD-ROM, please contact JETCC, 207-253-8020)

Permitting 101
(Available online only)

Other Continuing Education Training:

- Shoreline Stabilization
December 10, 2015, Presque Isle
Contact: JETCC 207-253-8020
- Shoreline Stabilization
December 11, 2015, Brewer
Contact: JETCC 207-253-8020
- Shoreline Stabilization
December 15, 2015, Augusta
Contact: JETCC 207-253-8020
- Shoreline Stabilization
December 16, 2015, Portland
Contact: JETCC 207-253-8020

Additional Training Opportunities:

None at this time



Maine Groundwater Newsletter

“Keeping you in the Flow”

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President Joe Gallant
207-839-3030
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207-465-3753
Treasurer Susan Smith
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Past President Jim Innis
207-942-5646

Directors
Terms expiring 2016:
 Harry Hanscom - 825-4983
 Scott Hodgdon - 782-4533
 Marc Stevens- 563-3003

Term expiring 2017:
 Frank Hegarty - 929-0274
 Ted McLeod - 848-5520
 Mark Taplin - 374-5447



This year's Spring Demo was held on Saturday, May 16 in Lisbon. Horizontal drilling was the focus of the demonstration. MGWA would like to thank ETTI for their work in hosting the Demo.

This newsletter is funded by the Maine Groundwater Association through member dues and advertising. Any member of the Association wishing to receive a newsletter may contact the president or treasurer of the Association listed on the front of the newsletter.

Find Us on the Web at
www.maine groundwater.org

Mark Your Calendars!
 NGWA Groundwater
 Expo - Dec. 14-18
 Las Vegas

Maine Groundwater Assoc.
 PO Box 207,
 Gorham, ME 04038-0207

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 MGWA Directors
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Mark Your Calendars
 Here are the dates which have been set for various meetings. The MGWA Director's meetings are at The Best Western Plus in Waterville at 6:00 pm.
 The next meeting is scheduled for November 2. The Commission meets the first Wednesday of each month and meetings are upcoming on Nov 10 (a Tuesday) and Dec. 9. These meetings are held at 286 Water Street, Key Bank Plaza, in Augusta.

Find us on the Web at mainegroundwater.org
 For questions on Commission business call Dave Braley at 207-441-5324

To send information for this newsletter or to make inquiries: Contact Jody Goodwin: Call - 225-3370, Fax - 224-7174, Email to jodyike@megalink.net

MGWA General Meeting Minutes

Maine Ground Water Association
 General Meeting
 May 16, 2015
 ETTI
 Lisbon Falls, ME

The MGWA General Meeting was called to order by President Joe Gallant at 12:05pm with a thank you to ETTI for hosting the Spring Demo.

Education Committee: It was discussed that the erosion control certificates will expire in December. We will be looking into a recertification class.

Legislative Committee: A discussion was held on LD 1162/HP 796 – An Act To Ensure Safe Drinking Water for Maine Families. Hans Hansen spoke about not passing the bill without proper funding. Is the State reapplying for the Federal grant to cover educational/testing costs? A motion

made by Wayne Weeks and seconded by Jamie Watson to let the board decide whether or not to support LD 1162, was unanimously approved.

Other business: A motion made by Ted McLeod and seconded by Hans Hansen to make **Skip Hodgdon, Dale Page, Pat Pratt, Rodney Pratt, and Harry Hanscom honorary members** was unanimously approved.

A motion to adjourn at 1:09 p.m. made by Ted McLeod and seconded by Mark Taplin was unanimously approved.

Anyone planning on attending the NGWA Expo in Las Vegas in December who would like to be a delegate from Maine, please contact Michelle Weeks.

MGWA Director's Minutes, continued from page 4

The certificates will expire in December for anyone that took the course with the association in 2012.

Michelle is looking into recertification information.

New Business: Jody Goodwin will be stepping down as our newsletter designer at the end of this year. Thank you, Jody for your years of work. A motion by Mark Weeks and seconded by Scott Hodgdon to have Sue and Michelle look into newsletter options and pricing was unanimously approved.

There was a discussion on contracts and

If anyone has ideas for the Spring Demo, please contact Joe Gallant.

the need to have them reviewed and updated by the

attorney general's office so that they are in compliance with state regulations.

There was a discussion on promoting water testing.

Our liability insurance is up for renewal in December. Joe appointed Sue and Michelle to look into options.

A motion to adjourn at 8:15 p.m. made by Joe Gallant and seconded by Mark Weeks was unanimously approved.

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Just a few of many workshops available at the NGWA Expo

Tuesday:

7:30 a.m.-3:00 p.m.

Water Systems Primer and Refresher

NGWA, in collaboration with the Water Systems Council, has crafted a training program to nurture the troubleshooting and diagnostic skills of those who are new to the groundwater industry and enhance those of the seasoned water systems professional. The course will address these major areas:

Water systems and components overview

Proper selection and sizing of materials and components

Diagnostics and troubleshooting

Variable frequency drives (variable flow for constant pressure).

This class is especially recommended for those who may be taking a state licensure water systems exam or one of the NGWA Voluntary Certification Program exams on water systems. The experienced pump installer and water well contractor who seek the most current information and application of recent technologies will also benefit from attending.

All registered Expo attendees are eligible to attend this course; however, seating is limited to 80. You must indicate your intent to attend when registering for the Expo. You are expected to attend the entire offering in order to receive a certificate of completion for continuing education credit.

Representative from various water systems companies that are members of Water Systems Council and NGWA will instruct the class.

Attendance at the class will be enhanced by bringing the Water Systems Handbook – 12th edition if you already possess one or you may order a copy prior to the Expo from the NGWA Bookstore.

Aquifer Storage and Recovery

Water supplies are approaching critical levels in many western areas with declining reservoirs and groundwater levels. Additional storage, particularly surface storage can be difficult to achieve. Aquifer Storage and Recovery or ASR has been used successfully to increase available water supplies in some areas. This workshop will present an overview of the factors involved in successful ASR development using several western case studies.

Water Well Rehabilitation — Understanding Well Problems and Effective Solutions

Water wells are becoming recognized as the most important asset in a groundwater system. As water systems age, deterioration is an almost inevitable consequence. In groundwater systems water wells will experience deposits building up, depending upon many factors. Formation damage as well as biological and mineral deposits will result in lost capacity problems and associated water quality problems, including total coliforms being detected in pumped water samples. Historically, specific capacity has been utilized to determine the frequency of rehabilitation and maintenance. This reliance on specific capacity is the single largest contributor to an operate to failure approach to well maintenance. Time-based approach has been very effective at maintaining wells since deposits in water wells are much more effectively managed. Novel ideas and understanding about well problems and solutions will be presented based on many years of experience. Effective rehabilitation and maintenance can be very effective at maintaining peak efficiency as well as maintaining more consistent water quality. With budgets getting tighter and ever increasing energy costs of water well operation, preventive well maintenance can drive down life cycle costs.

For complete info on the Expo please visit NGWA.confex.com

We would like to draw everyone's attention to the advertising on pages 2 through 11 which has made this newsletter possible. Please mention to the advertisers who have supported the MGWA that you saw their ads and next time you need something, Remember Their Support of Our Association!

Targeted advertising works and this newsletter goes to potential customers across the state.



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MGWA Director's Minutes for May 16

Maine Ground Water Association

Director's Meeting

May 16, 2015

ETTI

Lisbon Falls, ME

Associate – Jeff Cummings, Jeff Cummings' Services, LLC

A motion made by Ted McLeod and seconded by Frank Hegarty to accept all applications was unanimously approved.

The MGWA Director's Meeting was called to order by President Joe Gallant at 1:00 p.m. with the following present: Scott Hodgdon, Jim Innis, Frank Hegarty, Mark Taplin, Harry Hanscom, Ted McLeod, Susan Smith, Mark Weeks and Michelle Weeks.

Legislative Committee: A discussion was held on LD 1162/HP 796 – An Act To Ensure Safe Drinking Water for Maine Families.

Membership Applications:

Affiliate – Eric Wilson, Water Dr., Kevin Kaserman, Mr. H2O, Daniel Locke, hydrogeologist, State of Maine.

A motion made by Ted McLeod and seconded by Jim Innis to support clean drinking water, but not the bill as written, was unanimously approved.

Active – Steve Mucci, S & D Water Well

A motion to adjourn at 1:09 p.m. made by Ted McLeod and seconded by Mark Taplin was unanimously approved.



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MGWA Director's Meeting October 2015

Maine Ground Water Association
Director's Meeting
October 5, 2015
The Best Western Plus
Waterville, ME

The MGWA Director's Meeting was called to order by President Joe Gallant at 6:32 p.m. with the following present: Susan Smith, Scott Hodgdon, Jim Innis, Mark Taplin, Ronnie Taplin, Mark Weeks and Michelle Weeks.

A motion by Mark Weeks and seconded by Mark Taplin to approve the May 16, 2015 Director's Meeting minutes was unanimously approved.

Treasurers Report: A motion by Mark Taplin and seconded by Jim Innis to approve the Treasurer's report of October 5, 2015 was

unanimously approved.

Membership Applications: None

Legislative Committee: A discussion was held on pricing for the lobbyist, James Cote. There was not enough interest to vote. This topic will be discussed again at a later date.

Nominating committee: Joe appointed Frank Hegarty and Ted McLeod to the nominating committee.

Education Committee: If anyone has ideas for the Spring Demo, please contact Joe. Joe appointed himself, as well as Frank and Ted to this committee.

There was a discussion on erosion control certification.

Please see **MGWA** on page 11

There were no Commission meetings in July or September. The March Minutes are available on the MGWA Website at mainegroundwater.org. You will also find the MGWA Treasurer's 2014 report and the 2014 MGS Well Log Report on the Website.

The completed minutes for the August Commission meeting have not been approved. Because space in the newsletter is sometimes limited, you can check the latest information concerning the business of the Commission on the MGWA Website.



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Info on the December NGWA Expo in Las Vegas

There are too many to list them all, but here are the top 10 reasons you're going to want to attend this year's Groundwater Expo.

1. Sessions. You will have the chance to hear from leading groundwater researchers during the Advances in Groundwater Science and Practice and Water Quality Issues in Stressed Aquifers technical sessions.

2. Education. You can also further your education at numerous workshops, the NGWREF Darcy and McElhiney lectures, and optional short courses.

3. Experts. You will have opportunities to learn from dozens of real-life industry experts.

4. Skills. You can improve your skills and learn new ones in the activity centers taking place in the exhibit hall.

5. Exhibits. You will have 12 full hours over two days to investigate the newest in technologies, products, and services in the exhibit hall.

6. Inspiration. You cannot help but be inspired and awed by Ryan Hreljac, founder and assistant project manager of Ryan's Well Foundation, who will present the H2O Talk

"Thinking Big at the Age of Six — How One of Tomorrow's Leaders Is Changing the World Today."

7. Appreciation. You will have the chance to welcome and congratulate the winners of this year's NGWA awards that spotlight the best and the brightest in the groundwater industry.

8. Connect. You will be able to connect with thousands of professionals from all sectors of the groundwater industry in one convenient location.

9. Recharge. You will have some time to relax, rest, recharge with old friends and new acquaintances at events such as the Attendee Welcome Reception and the Expo Wrap Party.

10. Pay it forward. You will have not one, but two, opportunities to pay it forward and help out the National Ground Water Research and Educational Foundation at the annual fundraising auction or by showing off your moves during bowling night.

New Activity Centers in the Exhibit Hall at Expo

Learn skills applicable to your job at various activity centers located within the exhibit hall. These 30-minute presentations include, but are not limited to:

- Diagnosing Pump Problems with a Megometer
- Documenting Your Projects with Photography
- Downhole Camera: An Effective Tool in Your Toolbox
- Groundwater Apps for Android Devices
- Groundwater Apps for iOS Devices
- How to Obtain and Leverage Real-Time Data Access to Reduce Risk
- Testing Water Quality Using a Smart Device
- Timesaving Tips for Low-Flow Sampling with a Mobile App
- Using Social Media to Market Your Business

New Technology at Spring Demo



The Spring Demo was held on Saturday, May 16th and featured Horizontal Directional Drilling and was hosted by Scott Kelly of Enterprise Trenchless Technologies, Inc and Jeff Quinn of Baroid.

It was held at ETTI, Kelly Park Location, 175 Lisbon Road in Lisbon. Wayne Weeks and The Lions Club provided the chicken barbecue.

Commission Minutes for June, *continued from page 7*

agrees that the consent agreement shall stipulate:

That Mr. Woodsome agrees to pay the \$5,000 fine levied against him and Woodsome Well Drilling in six (6) equal monthly installments of \$833.33, that the first payment shall be due by the last day of July 2015, and each subsequent payment shall be due on the last day of each month that follows, with final payment due by December 31, 2015;

That Mr. Woodsome agrees that failure to make a timely payment, or if he or his company are found in violation of any Commission regulation for twenty-four (24) months from the effective date of this agreement, his license and the license of Woodsome Well Drilling will be immediately revoked; and

That Mr. Woodsome agrees that the conditions included in the consent agreement and the potential resulting Commission actions for failure to comply with the provisions of the consent agreement cannot be appealed and represent final Agency actions.

Approved 6-1, David, Joe, Ike, Dan, Mike, Frank in favor, Dwight voted against the motion.

David will draft the consent agreement, to be reviewed by counsel prior to submittal to Mr. Woodsome for signatures.

10:55: Mike motioned to adjourn, 2nd by Joe, approved unanimously.

Drillers, Pump Installers - Please Submit or Update Your Info

The MGWA has moved into cyberspace and some of you have not moved with them.

According to Treasurer Susan Smith, who has undertaken the challenge of getting the MGWA on the Internet, she is still missing the company information for a number of MGWA members.

This is the perfect opportunity to get your business out there to the general public - some of whom may be looking to get a well drilled.

It has become common knowledge that a large portion of the population now does most of their business "Online." They look for businesses, research them and contact them all online.

If you do not have a presence, you could be missing out on new customers which mean new business opportunities.

The MGWA Web Site is a perfect opportunity to make your presence known for those potential customers.

You can contact Susan with questions at 207-839-6637 or send the information she needs to Ssmith104@maine.rr.com.

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Commission Minutes for May 2015

Well Driller's Meeting

Date: Wednesday, May 13, 2015

Location: 286 Water Street, 1st Floor

Attendees: Commission Members: Dwight Doughty, Jr. Hydrogeologist, Maine DOT; Joe Gallant, Master Driller; Frank Hegarty, Master Pump Installer; Daniel Locke, Hydrogeologist, Maine Geological Survey; David Braley, Hydrogeologist, MeCDC; Mike Otley, Public Member; Legal Counsel: Deanna White, AAG; and Don Robbins: public – former Commission member.

Minutes prepared by: David Braley

PROCEEDINGS:

Dwight Doughty - Meeting called to order at 9:12 a.m.

TOPIC: February 2015 Meeting

Motion: Joe motioned to approve the March (no April meeting was held) minutes. Mike 2nd.

Discussion – None

Vote: Unanimous to approve.

TOPIC: Exam Applications

The following individuals were approved (unanimously) to sit for exams, motioned by Frank, 2nd by Joe:

Hurst, Jeffery. – PI- Journeyman

TOPIC: Specialty Well Applications

Commission discussed a preliminary application for 2 closed loop geothermal wells proposed by Western Maine Water

Wells. One well is proposed 20 feet from a disposal field, the other 38 feet away. David will contact the driller to discuss additional information required for the Commission to consider.

TOPIC: Other Business

The Commission awarded Don Robbins a plaque and thanked him for his many years of service.

TOPIC: Complaints:

The on-going complaint(s) regarding Danny Woodsome and Woodsome Well Drilling was discussed. David moved and Frank 2nd a motion for discussion, approved unanimously. After discussions concerning the status of the complaints, that the Commission has to date not received a response from Mr. Woodsome, and the potential directions the Commission may choose to explore, David moved to withdraw his motion, Mike 2nd, approved unanimously. Frank then moved to send Mr. Woodsome notification that the Commission would consider the suspension or revocation of his license(s) at the June Commission meeting, and strongly encouraged him to attend. Joe 2nd, approved by David, Joe, Frank, Mike and Dan; Dwight voted against the motion.

11:09: Dan motioned to adjourn, 2nd by Mike, approved unanimously

Next Meeting: June 10, 2015, 286 Water Street, Augusta, Maine 9 a.m.

Commission Minutes for June 2015

Well Driller's Meeting

Date: Wednesday, June 10, 2015

Location: 286 Water Street, 1st Floor

Attendees: Commission Members: Dwight Doughty, Jr. Hydrogeologist, Maine DOT; Joe Gallant, Master Driller; Ike Goodwin, Master Driller; Frank Hegarty, Master Pump Installer; Daniel Locke, Hydrogeologist, Maine Geological Survey; David Braley, Hydrogeologist, MeCDC; Mike Otley, Public Member; Legal Counsel: Deanna White, AAG; Danny Woodsome, Driller, public attendee; and Dana Tuttle, State Plumbing Inspector, Plumbers Examining Board.

Minutes prepared by: David Braley

PROCEEDINGS:

Dwight Doughty - Meeting called to order at 9:02 a.m.

TOPIC: May 2015 Meeting

Motion: Frank motioned to approve the May minutes. Mike 2nd.

Discussion – Typo in last paragraph

Vote: Unanimous to approve.

TOPIC: Exam Applications

The following individuals were approved (unanimously) to sit for exams:

Matthew Bramlett. – PI and WD - Journeyman – Ike moved, Frank 2nd, unanimous
Everett McClintick, - PI and WD – Master – Ike moved, Joe 2nd, unanimous

TOPIC: Specialty Well Applications

Town of Columbia Falls, Town Office Building – Shannon Well Drilling, Chris Getchell, #WD00515, 34 feet from Overboard Discharge system, no direct discharge, treated like a tank for setback purposes, approved with

90 feet of casing or liner and seals required, signature on application require prior to final approval. Ike moved, Frank 2nd, unanimous approval

TOPIC: Other Business

The Commission discussed various areas of overlap between the work drillers and pump installers perform and the requirements of the internal plumbing code. Both the Commission and the Plumbers Examining Board agree that further discussions are needed. Frank and David will attend the next meeting of the Plumbers Examining Board scheduled for August, 2015 to continue discussions.

Mr. Tuttle also clarified an issue that had been raised concerning the installation of water treatment equipment and appropriate licensure. Mr. Tuttle confirmed that an appropriately licensed plumber is required for the installation of water treatment equipment. If a drilling/pump installation company intends to install water treatment equipment it/they must employ a Master Plumber or have one as part of the corporate structure for those companies that are incorporated. This requirement is beyond the scope of the Commission's authorities and is a requirement of the State's adopted internal plumbing code.

TOPIC: Complaints:

The on-going complaint(s) regarding Danny Woodsome and Woodsome Well Drilling was discussed. Mr. Woodsome was present and participated in the discussions. After considering possible courses of action to resolve all of the violations found and points assessed in regard to complaints received in 2014, Ike moved and Joe 2nd as follows:

Mr. Woodsome agrees to enter into a legally binding consent agreement with the Commission and further

Please see June on page 8.