

Pennsylvania Driller



Fall 2004

2005 Annual Conference Issue

Penn Stater Conference
Center Hotel
State College, PA
January 27-28, 2005

*All Conference
Registration
Information and Session
Details are Inside This
Issue!!!*

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PGWA 2005 Annual Conference Schedule

Thursday, January 27, 2005

7:00 a.m. - 11:00 a.m.	PGWA Board of Directors Meeting
8:00 a.m. to 12:00 p.m.	Registration and Trade Show Setup
12:30 p.m. to 1:30 p.m.	How to Be Successful With Water Treatment , Greg Gruett, <i>Water-Right</i>

The time is now to add water treatment into your business. Three successful approaches for well drillers to get involved with water treatment will be discussed.

1:45 p.m. to 2:45 p.m.	Trouble-shooting Submersible Motors Using Meters , Jim Hartmann, Franklin Electric Field Representative
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This discussion will review the recommended methods of diagnosing electrical problems in the submersible motor installation. The focus will be on using electrical meters to analyze typical field problems. This presentation will include both single phase and three phase situations. Beginners and experts are invited to attend.

3:00 p.m. to 4:30 p.m.	First Aid for Well Drillers and Portable Defibrillator Demo , Tim Nilson, Certified Instructor
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Learn how to care for an individual experiencing the most common injuries/illnesses experienced during the well drilling process and/or while working with drilling equipment. Included will be a demonstration/discussion of the automatic external defibrillator (AED) and its application on job sites.

4:30 p.m. to 6:45 p.m.	Exhibit Hall/ Cocktails/ Silent Auction <i>Meet with approximately 50 manufacturers and suppliers while enjoying cocktails and light hors d'ouvres.</i>
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7:00 p.m. - ???	Dinner/ Speaker/Awards/Entertainment/ Auction Results <i>Following a delicious buffet banquet, invited NGWA President Larry Lyons will make a few remarks, followed by the PGWA Awards. Then PGWA is thrilled to offer an evening of entertainment, provided by the Pierce brothers. This is a conference must for those of you who have never heard them. In addition to the beautiful vocal numbers, you can dance the night away to many popular tunes.</i>
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Friday, January 28, 2005

7:30 a.m. to 9:00 a.m.	Breakfast/PGWA General Membership Meeting
9:00 a.m. to 9:30 a.m.	PGWA Contractor Elections
9:00 a.m. to 9:30 a.m.	Manufacturer/Supplier Meeting
9:45 a.m. to 10:45 a.m.	NGWA Certification Primer , Len Assante and Bob Reichart
9:45 a.m. to 10:45 a.m.	The Plastic Well Construction Workshop and Flow Model Training , David Powell, CWD, PI

Here is the opportunity to build your own operating clear plastic well and pump system, complete with submersible pump, pitless adapter, and pressure tank on this model well to show potential customers how a water system works. For the \$150 registration fee, PGWA will provide the clear PVC well casing, flanges, bolts, and base, and tools. You will place your own brand of submersible pump, pitless adapter,

Conference Schedule...continued on page 8

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Water Association



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The Pennsylvania Ground Water Association newsletter is published quarterly. Deadline for copy and advertising is February 15, May 1, August 15, and November 1, 2004. For information on placing an advertisement or submitting an article, please contact Jodi Snyder, 7 Long Lane Drive, Hummelstown, PA 17036; telephone 717. 773. 7215 and fax 717. 566. 4587; email jodisnyder@comcast.net.

PGWA to Offer NGWA Certification Exams at Annual Conference

PGWA will once again offer NGWA Certification Exams at its Annual Conference. However, the price is going up. Beginning January 1, 2005, you will have the option of taking the paper-based exam at our Annual Conference or making an appointment at a testing center near you at your convenience. With the addition of computer-based exams, the exam cost is increasing. The cost for a licensing exam is going up to \$75.00 from \$30.00 and a certification for members of NGWA is going from \$20.00 to \$75.00. This increase is for paper-based or computer-based exams.

PGWA will be able to offer these paper-based exams up to 2007, unless NGWA sees less than 15% of individuals taking the paper based exams. The prices are listed below.

General Exam	\$75	Inclusive Pump Installation (J)
Drilling Exams	\$75 per exam	Pump Installation <100GPM (K)
Cable Tool (A/B)		Pump Installation >100GPM (L)
Air Rotary (C/D)		
Mud Rotary (E/F)		Specialty Exams \$75 per exam
Reverse Rotary (G)		Monitoring Well (M)
Jetting & Driving (H)		Well Servicing (N)
Pump Installation	\$75 per exam	Heat Pumps (O)
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A Note from the Executive Director

by Jodi L. Snyder

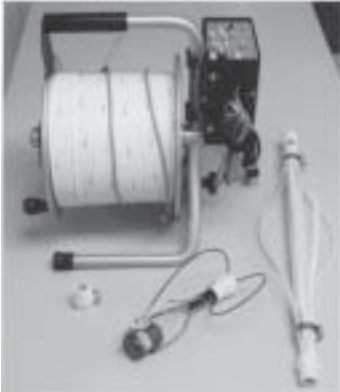
With this being the Annual Conference edition of the *PA Driller*, I would like to encourage each and every one of you to join us January 27-28, 2005 in State College. We have listened to you and are ready to "mix things up" a bit.

Last year we extended our conference by adding a half day on Thursday to our schedule. We now realize that many of you are too busy to travel on Wednesday and like the late start. For many years our banquet was held on Friday evening, so many of you needed an extra hotel night to join us. Well, we want all of you to attend, so we moved it to Thursday evening after your time at the trade show, and we included it in the price without raising the registration fee! Now you won't have to go out in the cold on Thursday and find a place to dine. This will offer you time to sit and enjoy friends, AND (my favorite part) DANCE!!! Yes, I did say dance. Trust me, you will NOT want to miss this entertainment! I booked them for another conference, and the group insisted that I re-book them for the following year - IMMEDIATELY!

Whether you're a repeat participant or just want to try us out, please don't miss this sure to be FANTASTIC event. I am looking forward to meeting you or seeing you again!



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Attention Manufacturers and Suppliers!

Why should you have a display table at the 2005 PGWA Annual Conference?

- This is an excellent opportunity to reach hundreds of existing and potential customers - all at the same time.
- Our exhibit hall floor space is more than adequate to meet with people and display your products.
- To encourage people to stay for the evening, we moved the banquet to Thursday evening, following the reception in the Trade Show area. Attendees will want to stay for dinner, so they will want to meet with you beforehand and have a few beverages.
- People need to enter the exhibit hall to access the cocktail reception and hors d'ouvres. We will split the food and drinks so that maximum traffic will be realized on both sides of the room.
- Your competition will be there! PGWA assigns booth space on a first-come, first-serve basis, while making every reasonable effort to avoid placing direct competitors right next to each other.

Don't miss this opportunity to meet and greet the largest audience of ground water industry professionals in Pennsylvania!

Please join us January 27 and 28, 2005, as an exhibitor or sponsor at the 2005 PGWA Annual Conference.

A reception will be held on Thursday, January 27. The cost of your 6 foot display table includes the reception sponsorship. However, it does not include Conference Registration. Reception sponsorship without a display table is \$125. If your exhibit is large, you may wish to consider ordering a double or triple space.

During the reception on Thursday evening, food and the open bars will be located in the exhibit area. The banquet will now be held following the reception on Thursday to attract more people to stay with us, since dinner is included in the registration fee.

Each display and demonstration table is six feet wide by 30 inches deep. If you need more space, please rent two or three adjacent tables, as stated above.

The cost for the display table is \$210. Each of these rental costs includes a contribution to the food and open bars. Tables will be assigned on a first-come, first-assigned basis. Everyone attending must also be registered for the conference. This rule is to cover the food and banquet charges for each individual manning the booth.

Setup for tables begins at 8:00 a.m. on Thursday, January 27. Tear down is at 12:00 p.m. on Friday, January 28. This year, we are asking that you not tear down your exhibit before noon on Friday. We would like to maintain a professional trade show floor throughout the exhibit times, and we ask that you please respect this request.

Please call Jodi Snyder at (717) 773-7215 if you have any questions. Use the registration form below to register today and obtain the prime booth locations!

2005 Exhibitor/Sponsor Registration Form

Company _____

Contact Name _____

Address _____

City/State/Zip _____

Telephone _____ FAX _____

Email _____

I will sponsor the Thursday reception @\$125 (if not exhibiting) \$ _____

I will rent a display table @\$210 (includes sponsorship) \$ _____

I am registering the following individuals to staff the exhibit (each individual must be registered)

Person #1 (\$100*) _____ \$ _____

Person #2 (\$100*) _____ \$ _____

Person #3 (\$100*) _____ \$ _____

Person #4 (\$100*) _____ \$ _____

I want to build a plastic well model @\$150 each (materials inc.) \$ _____ (see description in conference schedule)

* This year, the banquet is included in the fee. Registration fee includes all conference materials, cocktails and hors d'ouvres on Thursday, banquet Thursday, and breakfast and lunch on Friday.

Silent Auction Fundraiser

We are asking each sponsor/exhibitor to please donate a prize to be auctioned on Thursday evening at the banquet. This is a fundraiser to support the association.

Yes, I'll bring a prize for the Silent Auction.

Please make check payable to:

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Annual Conference Schedule...continued

controls, and pressure tank to create a complete operating clear plastic well and pump system. This will be followed by our flow model training, where you will learn how to operate and become certified to use the PGWA flow models, so you can take one to a group in your town and educate them about groundwater flow and proper well construction.

11:00 a.m. to 12:00 p.m. **When is Air Rotary Too Much?**, Mark Ralston, P.G.,
Converse Consultants

Air rotary drilling is probably the most commonly-used technology for well construction. However, in certain geologic settings, air rotary technology may have some drawbacks or potential problems, such as loss of return, failure to keep the borehole open, forcing water and air laterally in stratified overburden and rock, and destabilization of overburden. Subsurface conditions that may present problems for air rotary drilling include voids in bedrock (loss of return) and deep, unconsolidated, saturated overburden (unstable borehole). In these settings, one may face the choice of using a more advanced drilling technology such as simultaneous casing advance. In some cases, the old-fashioned cable tool drilling technology may solve the problem. The purpose of this presentation will be to share a geologist's perspective and experiences where air rotary drilling technology has presented challenges for well development. The presentation will address potentially-problematic subsurface conditions and case histories where air rotary drilling was not successful in completing a well.

12:00 p.m. to 1:00 p.m. **Lunch** (included in registration fee)

1:00 p.m. to 2:00 p.m. **The Master Well Owner Network: What is the Connection to PGWA?**, Stephanie S. Clemens

The Master Well Owner Network (MWON) is a relatively new program in Pennsylvania that is working to educate private well owners throughout the state about protection of private drinking water supplies. The lack of statewide well construction standards motivated individuals from Penn State Extension to obtain funding from the USDA-CSREES program to initiate a network of "Master Well Owners" throughout the state. The MWON has partnered with PGWA, PA DEP, and EPA Region III to host a series of workshops in eight separate regions in Pennsylvania.

PGWA's involvement in these workshops has made a significant impact on the participants. Post-workshop evaluation results indicated that the most beneficial part of the workshop was the technical knowledge presented by the PGWA representatives. Currently 122 volunteers have been trained and Master Well Owners have distributed the message to over 500 residents of Pennsylvania. This presentation at the Winter Conference will go over the details of this program and it will discuss additional opportunities for members of PGWA to get involved.

1:00 p.m. to 3:00 p.m. **NGWA Certification Exams**

1:00 p.m. - 3:00 p.m. **Ladies Program** (craft provided)

2:00 p.m. - 3:00 p.m. **Ground-Water Professionals and the New State Water Plan**,
Todd Giddings, Ph.D., P.G., Member, Upper/Middle Susquehanna
Water Resources Committee

This presentation will address what you, as a ground-water professional, can contribute to the development of the **new Pennsylvania State Water Plan**. Six Regional Water Resource Committees are **meeting every two months** and they are **looking for local information on ground-water** and surface-water availability, uses, and problems. The committees need this local information to develop their regional plan. This presentation will also explain how you can easily share your local knowledge and contribute to a better regional water resource plan.

Our new state water plan is being developed on a regional basis, so it will address the ground-water and surface-water problems and issues that are important at a local level. The regional water plans will later be **added together** to form the new Pennsylvania State Water Plan. We are starting at the "bottom" in the dozens of small watersheds within each of the six large regional watersheds in Pennsylvania.

You need to attend the Regional Water Resource Committee meetings in your area and tell the committee members about the **ground water problems and issues** that you think the water plan for your area should address. Pennsylvania needs some reasonable standards for the construction of residential water wells so the aquifers and their water-quality are protected for future use and development. Many people don't realize that throughout most of Pennsylvania there are no standards for the construction of residential wells. Ground water is a hidden resource and hence its availability is **not always well known or understood**, and so you need to **share your knowledge** about the ground-water resources in your area.

PGWA Annual Conference Hotel Information

The Penn Stater Conference Center Hotel has a block of sleeping rooms for conference attendees at a rate of **\$79 per room, per night for single or double occupancy. Call (800) 233-7505 to make your reservation today! Use ID#PAG0125 to receive this special rate. Room block cutoff is January 4, 2005.**

Directions: Take the Penn State University Technology Park exit off U.S. 322 West. Turn right and follow Park Avenue to the Penn Stater Conference Center Hotel. If you are using a route other than 322, please call the hotel for directions.

PA Driller Deadline

The next deadline for the *PA Driller* falls on February 15, 2005. Please submit all articles, advertisements, photos, etc. to:

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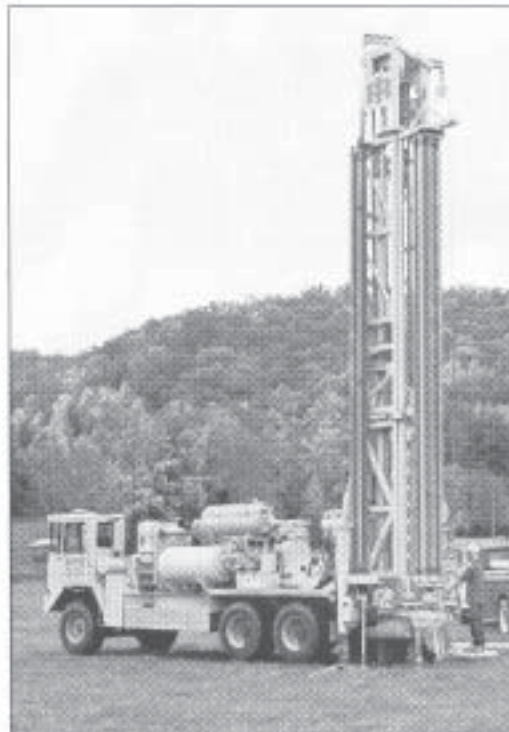
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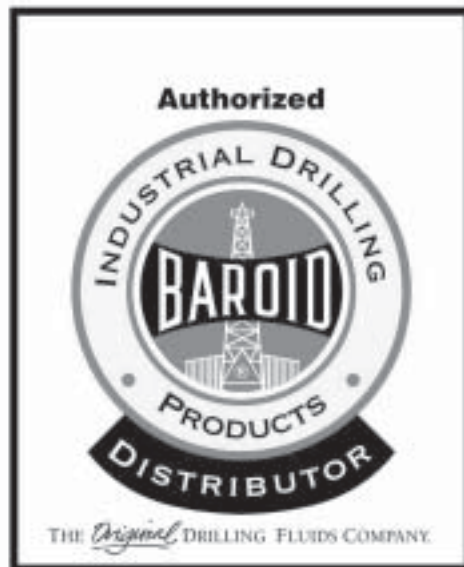


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- Contractor - \$75
- Associate - \$75
- Manufacturer - \$75
- Supplier - \$75
- Technical - \$75
- Additional members from same category - \$30

To the PGWA Board of Directors:

I hereby apply for membership in the Pennsylvania Ground Water Association and, if approved, agree to support the objectives of the Association and to pay the prescribed membership dues.

Signature _____ Date _____

Name _____

Company _____

Address _____

City/State/Zip _____

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