

UTAH GROUND WATER ADVOCATE

FALL 2010 EDITION



INSIDE THIS ISSUE:

*LETTER FROM THE
PRESIDENT* 1

*LETTER FROM THE
EDITOR* 6

*UGWA ANNUAL
MESQUITE
CONVENTION
REGISTRATION
FORM* 11

*NEWS FROM THE
STATE ENGINEER'S
OFFICE* 14

*UGWA
SPONSORSHIP
PROGRAM* 17

*AQUIFER WEST OF
CEDAR CITY
SHRINKING (SALT
LAKE TRIBUNE)* 18

*UGWA BOARD
MEETING MINUTES
FROM OCTOBER 5,
2010* 20

*UGWA BOARD OF
DIRECTORS* 21

LETTER FROM THE PRESIDENT

RICHARD PETERSEN

Wow! It's that time again. I have great news...those of you that are still here there's more to come. Despite what you hear and see on TV, those of us in the real world know the fight is still on. Someone was quoted as saying it will be worth it in the end. I don't know about that as I have yet to be to that point. I do however know that every one does what they do and we work. The candidates for office run their mouths. We work out one problem at a time and I doubt we will ever catch up to them in our life times, but we continue to work because that is what we do and I for one am proud to be one with you all.

That reminds me of an earlier letter so let me be clear. "All" should include everyone (Jim that means I am indeed sorry for the misunderstanding and I will always consider you and those in your office one of us). It has been a lot of fun, and work, representing you all. I hope I have represented you well. Now one more time on my soap box...we all must continue to contribute to the things we wish to be a part of. I know the drillers and pump men out there, are saying we work. It is the engineer's and regulator's faults they spoke up and said the wrong thing. I say, then talk. Most of us who have been in the field teach every one we work for a little bit about what we do. It is the same thing, just a different person listening. The time of not wanting to let out our trade secrets is gone. We are not talking of trade secrets but of our trade. We need volunteers. You need to step up as there are many vacancies to fill this year. Please take a little time and realize you can make a difference. The organization is attempting to make it easier but it still takes effort.

On another point, when I started drilling my grandfather and my father were here. They both lived through a lot rougher times.

Continued on Page 2

LETTER FROM THE PRESIDENT (CONT)

RICHARD PETERSEN

Those of you who knew them would say they felt that we were all a little spoiled and were probably due a good wake up call. I am little more on the up side. Things were crazy for awhile but I think we have a lot more going for us if we just use it. Hang on, spring is just around the corner and the chance for new life. It has been years since I even had the time to breathe, let alone think about why I got into my family's line of work. But, I have a had a chance lately and after the panic of nothing to do went away, I was able to think. It was the one on one with customers and self motivation. I took 30 minutes out of my day to talk to a man hauling a load gravel for me a few days ago. Two years ago, I would not have even taken the time to acknowledge him. There are going to be a few less things to do and a little more time, but if you want to, you can make it. Together we just might have a few minutes to enjoy it.

It has been a great joy to serve and represent you all an thanks to all that help with this organization. See you all in January and bring all of your friends even if you happen to be bidding the same job the week before.

Richard Petersen



The 2011 UGWA Annual Conference & Expo



January 13-15, 2011

Casa Blanca Resort & Casino in Mesquite NV

REGISTER ON or BEFORE DECEMBER 31 and SAVE!

Have a great time
Enjoy Expert Education
Earn your required CEUs
Meet others in our industry
Find out about changes in technology
Find out about changes in State & Federal Laws

For More Information or To Register Online Visit:
www.utahgroundwater.org



DELCO WESTERN

2559 South 1935 West Salt Lake City, UT 84119
Tel 801/972-0900 Fax 801/972-1171 800/543-4319 Toll Free

THE ORIGINAL.

THE TECHNICAL.

THE FLEXIBLE.

GRUNDFOS 

SQ A New Standard In
Submersible Pumps

SQFLEX

WATER. WHEREVER, WHATEVER.

***For Any Situation
Specializing In & Stocking
ONLY Water Pumping Equipment***



THE *Original* DRILLING FLUIDS COMPANY.

- Grouts •
- Drilling Fluids •
- Well Cleaning Chemicals •

To locate the Baroid IDP distributor
nearest you, contact:

Baroid Industrial Drilling Products

Product Service Line, Halliburton

P.O. Box 1675

Houston, TX 77251

(877) 379-7412 or (281) 871-4613

www.baroididp.com

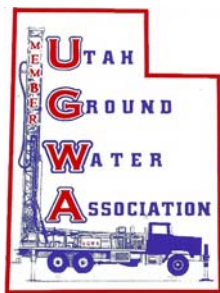
OR

Ron Peterson

Mobile: (801) 712-0939

Harv Langager

Mobile: (702) 499-5736



Utah Ground Water Association

5577 Walden Glen Dr, Murray Utah 84107

801.541.7259

www.utahgroundwater.org



Renew or Join On-Line!
www.utahgroundwater.org

Membership Application

PLEASE MAIL COMPLETED APPLICATION WITH YOUR \$50 ANNUAL MEMBERSHIP DUES TO THE UGWA

MEMBERSHIP TYPE (CIRCLE ONE): A B C D E LICENSE # _____

COMPANY _____

REPRESENTATIVE _____

REPRESENTATIVE DESIGNATIONS _____

MAILING ADDRESS _____

CITY/STATE/ZIP _____

PHONE (_____) _____ CELL (_____) _____

EMAIL _____

Membership Types

- A. **CONTRACTOR:** Any person, firm or corporation doing business and licensed to drill, either water wells or ground water monitoring.
- B. **PUMP INSTALLER:** Any person, firm or corporation doing business and licensed to install groundwater pumping equipment.
- C. **MANUFACTURER:** Any person, firm or corporation engaged in the manufacturing of equipment, or materials used in the ground water industry.
- D. **SUPPLIER:** Any person, firm or corporation engaged in the sale of equipment or supplies associated with the ground water industry.
- E. **TECHNICAL:** Any hydrologist, geologist, or engineer involved in teaching, research, consulting and or government services associated with the ground water industry.

This membership allows the joining of one representative and spouse/partner of a firm or corporation to benefit from all the privileges of membership in the Utah Ground Water Association. Annual membership dues are \$50.00 per year. These dues cover membership only in the Utah Ground Water Association. The Utah Ground Water Association is affiliated with the National Ground Water Association and the Mountain States Ground Water Association.

UTAH GROUND WATER ASSOCIATION INC

ADVERTISING FEE SCHEDULE

NEWSLETTER

(per quarterly issue)

DESCRIPTION	MEMBER	NON-MEMBER
1/8 Page or Business Card	\$25	\$30
1/4 Page	\$50	\$60
1/2 Page	\$75	\$90
Full Page	\$100	\$120

WEBSITE

(per calendar month)

DESCRIPTION	MEMBER	NON-MEMBER
Classified (no pictures)	\$0	\$10
Classified w/one picture	\$5	\$15
Careers/Help Wanted	\$0	\$0
Bronze Sponsor	\$25 (with annual contract)	
Silver Sponsor	\$50 (with annual contract)	
Gold Sponsor	\$75 (with annual contract)	
Platinum Sponsor	\$100 (with annual contract)	




ARMSTRONG
Drilling, Inc.

ROBERT ARMSTRONG
president

ph 435.640.0626
toll free 1.888.645.9448

P.O. BOX 981507
Park City, Utah 84098

LETTER FROM THE EDITOR

DEIDRE BECK, PG—STANTEC CONSULTING SERVICES INC

This will indeed be my last Letter from the Editor and Newsletter production. I have worked on the Newsletter directly or indirectly 6 out of the last 8 years and while it really does not take that much time out of my life, I have decided it is time to move on. I am sure that if I had invested a little more time into wrangling articles out of members, developing Spotlight articles, and formatting the publication, I could have produced a more interesting newsletter. That is why it is time for new blood. I hold great hope that there is somebody in the Association that will be willing to take it upon themselves to become the Newsletter Editor and better the publication.

It has been exciting to watch the evolution of the Association over the last few years. I think that the current Board members deserve recognition for the steps they have been taking to legitimize the Association and better it. While the Board members and their beliefs about the Association may have changed throughout the years, their willingness to volunteer time and energy to further the development of the Association has not. It is very easy to attend the annual conference, receive CEU credits, and pay your membership dues. It is not as easy to commit to a two-year Board member position that requires you invest your own time. Personally, for me, the investment has been well worth it.

Deidre Beck

Newsletter Editor

Your Business Card Here!

If you would like to advertise in this publication, please contact Deidre Beck at 801-493-9874 or dbeck@stantec.com or Creig Walker at CWalker@boartlongyear.com

Van Bohne
Sales

INTERMOUNTAIN DRILLING SUPPLY



801.972.6455 phone
801.972.6372 fax
800.480.7715 watts
idsvan@earthlink.net

3412 West 2400 South
West Valley City, Utah 84119

STEERING TOGETHER SINCE 1988

GAYLEN FARNSWORTH
Pump Department Manager

STEVE REGAN CO.

4215 So. 500 West • S.L.C., Utah 84123
Phone (801) 268-4494 • Res. 253-3520
Cell Phone (801) 243-6100



S.L.C. Store Toll Free 1-800-888-4545 Pump Dept. Toll Free 1-800-888-4343 S.L.C. FAX 1-801-268-4596

LOUGHLIN
FOUCHLIN

WATER ASSOCIATES ▲ LLC

435.649.4005
www.LoughlinWater.com

GLOBAL DRILLING PRODUCTS



RELIABILITY IS PRODUCTIVITY

LEARN MORE ONLINE:
www.boartlongyear.com

RELIABLE AND INNOVATIVE SOLUTIONS FOR GROUND WATER APPLICATIONS

With many years of local and global experience, highly trained professionals and advanced drilling equipment and tooling, Boart Longyear offers unparalleled productivity within ground water services including the following.

- Reverse Air Exploration
- Track Mounted Exploration
- Casing Advance Systems
- Large Diameter Water Wells
- High Capacity Pump Tests
- Downhole Video Survey
- Wireline Core Drilling
- Directional Drilling
- Deep Flooded Reverse Exploration
- All Terrain Support Equipment
- Directional Rotary and Core Drilling
- Conventional Air & Mud Rotary
- Environmental Monitoring Wells
- Pump Installation and Removal
- Horizontal Drain Installation
- Well Rehabilitation & Repair

ASX:BLY



See What's New!

www.utahgroundwater.org

Your Resource for Your Association

PACO
PUMPS *Since 1907*

***DELCO WESTERN* Introduces**



***PACO Pumps—The
Industry leader in Pump
Efficiencies!***

- Paco's only authorized agricultural distributor for the state of Utah!
- Pumps and parts in stock for SAME DAY shipment!
- In-House service shop for repairs, custom panels and warranty evaluations!



*Serving the Water and
Wastewater Industries
since 1978*

DELCO WESTERN

2559 South 1935 West
Salt Lake City

Phone: (801) 972-0900

Fax: (801) 972-1171

Utah WATS: (800) 543-4319

Email:

darren@delcowestern.com

PACO
PUMPS
AUTHORIZED DISTRIBUTOR
AND SERVICE CENTER



2011 UGWA Annual Conference & Expo

January 13-14, 2011

Saturday, January 15th Optional Golf Outing

Casa Blanca Resort & Casino in Mesquite NV

For More Information or To Register On-Line

www.utahgroundwater.org

The UGWA Annual Conference & Expo
is a great way to:

Meet others in our industry!

Find out about changes in technology!

Find out about changes in
State & Federal Laws!

Earn your required CEUs!

Room Reservations (877) 438-2929

Casa Blanca ~ Group #175959

\$29.98 Wed & Thurs ~ \$39.98 Fri & Sat

or

Virgin River ~ Group #375959

REGISTER EARLY & SAVE!

The UGWA Proudly Welcomes Tom Christopherson The 2011 McEllhiney Lecturer to the 2011 UGWA Annual Conference & Expo



TOM CHRISTOPHERSON

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

A scientific investigation into well construction practices will help ensure groundwater is safe to drink, thanks to research by government agencies, the Nebraska Well Drillers Association, the University of Nebraska, industry suppliers of drilling and grout products, and several consultants.

Through NGWREF's McEllhiney Lecture Series in Water Well Technology, this research will be shared firsthand with the water well construction community throughout 2011, perhaps leading to jurisdictions beyond Nebraska revising their water well construction codes.

The 2011 McEllhiney Lecturer will be Tom Christopherson, the program manager for Nebraska's Water Well Standards and Contractors' Licensing Program for the Department of Health and Human Services. A licensed water well drilling and pump installation contractor, Christopherson has more than 25 years of hand-on field experience, complemented by his 12 years in water regulation enforcement and inspection.

He will present the findings that arose from a demonstration of how a well is properly constructed. Transparent Schedule 40 PVC casing allowed for well construction above and below the water table to be videoed from inside the casing of 168 water wells. For the first time, researchers could view actual grout conditions over time, documenting the ability of grout to stabilize the well within the borehole and maintain a contaminant seal.

More than 800 hours of videotape documented the progression of the sealing properties of all types of well grouts over 16 months in three distinctly different geologic regions of Nebraska. The materials the study looked at included bentonite slurry grouts less than, equal to, and greater than 20 percent solids; nonslurry chip bentonite; and various cement grout slurries that incorporated sand, water, and other additives.

The researchers found that all grouts performed differently than what was expected and what has been assumed by the groundwater industry for decades. The visual documentation of grouts provides the industry with a clearer insight of what is needed for adequate groundwater protection.

2011 UGWA Annual Conference & Expo
Registration Form
January 13th & 14th at The Casa Blanca Casino & Resort

Name: _____ **Company:** _____

Certifications (circle all that apply) CWD CPI MGWC CGWP CSP PG PE LS Other: _____

Membership Type: (select one) ☐ Supplier ☐ Technical ☐ Manufacturer ☐ Contractor ☐ Pump Installer license # _____

Mailing Address: _____

Phone: _____ **Fax:** _____ **Email:** _____

Qty	Item	On or Before December 31st 2010	After January 1st Or At The Convention	Total
_____	UGWA MEMBERSHIP 1 year (If you do not know your member # please renew)	\$50	\$50	_____
_____	Member (DOES NOT INCLUDE MEMBER DUES)	\$125	\$175	_____
_____	Affiliated Spouse/Employee (includes convention registration/class attendance)	\$100	\$150	_____
_____	Non-Member (If you do not know your member # & are not renewing)	\$200	\$250	_____
	<i>(Each of the above registrations Includes: Breakfast, Lunch and Fundraiser Dinner)</i>			
_____	Fundraiser Dinner & Auction (guests not attending convention)	\$30	\$50	_____
_____	Optional Golf Outing @ The Palms Golf Club (Saturday, January 15th times begin @ 9:30am)	\$70	\$85	_____
_____	Quilt Tickets (all proceeds go to the Crisis Fund)	\$1 each or 6 for \$5		_____
_____	Gun Tickets (all proceeds go to the Scholarship Fund)	\$2 each or 6 for \$10		_____
_____	HD 35" (or more) Television Tickets (all proceeds go to the Scholarship Fund)	\$50 each		_____
_____	Marsha Eppler Crisis Fund Donation			_____
_____	UGWA Scholarship Fund Donation			_____
_____	Vendor Booth Space (includes 2 registrations & 1-year membership = total of 2 people)	\$400	\$500	_____
_____	Non-Displaying Vendor (includes 1 registration & 1-year membership = total of 1 person)	\$300	\$400	_____
	TOTAL ENCLOSED:		TOTAL ENCLOSED:	_____

Please mail this Form and Check Payable to UGWA to: or **Register On-Line**
 Utah Ground Water Association www.utahgroundwater.org
 5577 Walden Glen Dr ph: 801.541.7259
 Murray UT 84123 email: admin@utahgroundwater.org

Remember to Bring Your Auction Items!

TO PAY WITH VISA, MASTERCARD OR AMERICAN EXPRESS

Name on Card: _____

Card #: _____

Expiration Date: _____ CVV # (front of Amex or Back of Visa/MC): _____ Billing Zip Code: _____

LIST OF ALL CONVENTION/CLASS ATTENDEES & EMAIL ADDRESSES

(use additional paper if needed)

For Room Reservations Call 877.438.2929
CasaBlanca ~ Group #175959
 \$29.98 Wed & Thurs ~ \$39.98 Fri & Sat
Virgin River ~ Group #375959
 \$22.98 Wed & Thurs ~ \$29.98 Fri & Sat

NOW ACCEPTING NOMINATIONS FOR YOUR 2011 BOARD OF DIRECTORS

The UGWA has gone through some exciting changes this year. We have a new website, online registration for events, online membership renewal, read/print current & past editions of the newsletter and there is still more to come.

Your Board of Directors have been working very hard to improve your Association and we invite to be a part of the team in 2011!

To nominate yourself or someone you know for the following positions please email your nomination & a brief statement of why you think this person would be right for the job to admin@utahgroundwater.org.

Voting will take place at the Annual Conference & Expo in Mesquite NV, January 14th.

PRESIDENT-ELECT

CONTRACTOR REPRESENTATIVE

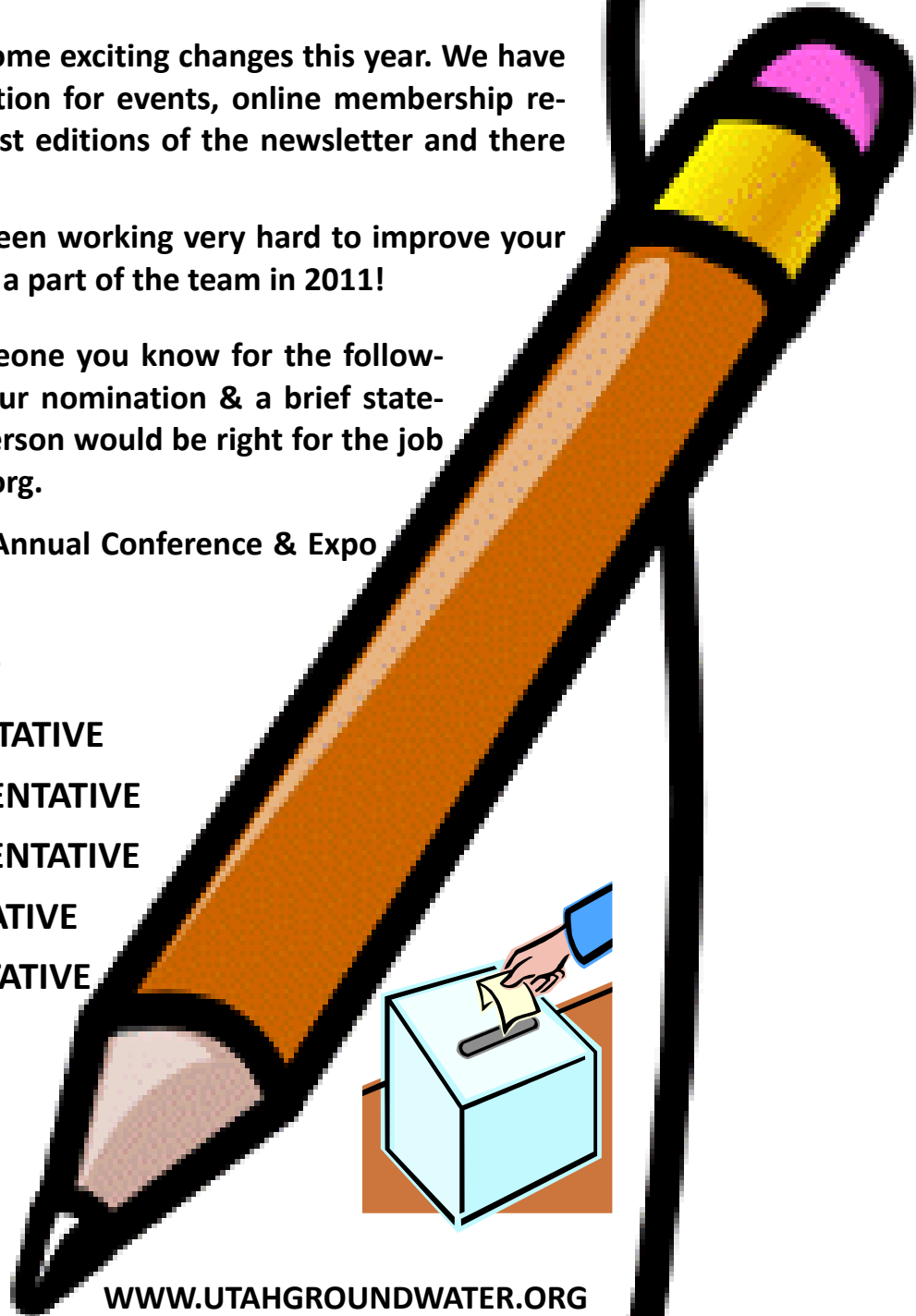
PUMP INSTALLER REPRESENTATIVE

MANUFACTURER REPRESENTATIVE

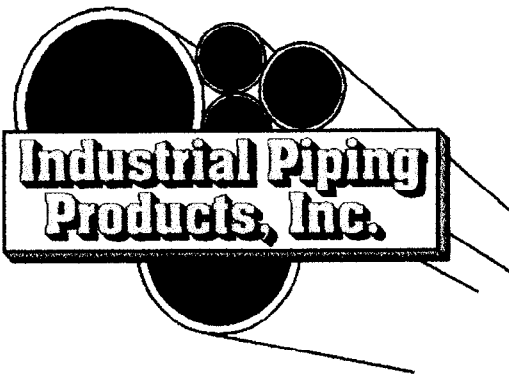
SUPPLIER REPRESENTATIVE

TECHNICAL REPRESENTATIVE

For more information
please visit our website
or contact Colette Read
at 801.541.7259



WWW.UTAHGROUNDWATER.ORG



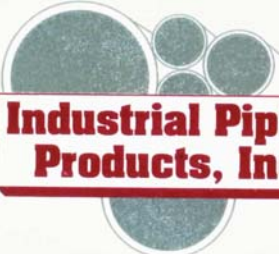
"Service Sets Us Apart"

Call us any time, 24 hours a day, seven days a week for all of your pipe, valve, and fitting requirements. We are your one stop source for blank or perforated casing, drive shoes, well screen and pump column.

Industrial Piping Products, Inc.

2440 South 3270 West Salt Lake City, Utah 84119

(801) 973-7111 Toll Free (800) 748-5150 Fax (801) 973-4791



SHAWN NORDHOFF
Sales Representative

Industrial Piping Products, Inc.

801-973-7111
Fax 801-973-4791
Mobile 801-554-3928
Toll Free 800-748-5150

2360 S. 3270 W.
Salt Lake City, UT 84119

**MUNICIPAL • INDUSTRIAL • IRRIGATION
&
"WATER SYSTEMS"**

REED "PUMP" SUPPLY CO., INC.

DAVID EDVALSON

Office (801) 561-5011
(800) 733-6065
Fax (801) 561-6030
Cell (801) 231-5926

6991 So. Commerce Park Dr.
Midvale, Utah 84047



Steve Price
Western Hydro Corporation
Outside Sales Representative
Office: (800) 421-4185
Mobile: (801)-330-5534
SPrice@westernhydro.com
2406 South 3270 West
Salt Lake City, UT 84119

Jereme Lowe 702.994.6455

Iron County Pipe^{inc.}
&
Supply

4560 Werdco Court N. Las Vegas, NV 89115

Office: 702.251.PIPE
Fax: 702.251.7479

NEWS FROM THE STATE ENGINEER'S OFFICE

JIM GODDARD, PG—UTAH DIVISION OF WATER RIGHTS

STATUS OF PUMP INSTALLER LICENSING AND ADMINISTRATIVE RULE REVISIONS

During the 2010 Legislative Session, House Bill 226, requiring professional pump installers to be licensed and regulated by the Division of Water Rights, passed both the House and Senate and was signed into law by Governor Herbert. The revisions to the well drilling statute pertaining to pump installer licensing and regulation went into effect on May 11, 2010. These statute revisions require licensing and regulation of professionals who conduct pump installation and repair work for compensation in regulated wells. Individuals who perform pump installation and repair work on their own well on their own property are exempt from regulation under the revised statute. Those individuals who currently hold a full water well drillers license shall be grandfathered in to allow them to conduct this type of work (many are already doing pump work) and would not be required to obtain a separate pump installers license.

The licensing and registration process for pump installers is already in place at the Division of Water Rights. A description of the process (experience requirements, application, fee, testing, bonding) as well as application materials and instructions can be found at the "Well" page of the Division of Water Rights website (<http://www.waterrights.utah.gov/wellinfo>).

As a result of the passage of this bill, the Administrative Rules for Water Well Drillers (R655-4 UAC) will be updated soon to incorporate pump installer licensing and regulation. Since the rules are required to be revised to include pump installation, other needed changes and clarifications to the rules will be incorporated. The Division welcomes any suggestions and recommendations that will improve upon the existing well drilling rules. An internal draft of the rules revisions is almost complete. During the month of November, the draft revised rules will be circulated to a committee of well drillers, pump installers, and others impacted by the new regulations for review and comment. During the month of December, the draft revised rules will then be available to all well drillers, pump installers, and the public in general via our website (<http://www.waterrights.utah.gov/wellinfo>).

At the beginning of the December review period, a letter will be sent to all currently licensed drillers and pump installers as well as all known perspective licensees for pump installation notifying them of where to find the draft rules on our website and how to provide comments and suggestions. Those comments will be incorporated into the draft rules. At this point in January of 2011, the draft rules will be officially submitted for processing and approval to the Utah Division of Administrative Rules. During this phase, the proposed rules will again be available for public comment for a 30-day period. Comments during this phase, if any, will be addressed. It is anticipated that the proposed revised rules will become effective, barring any major hang-ups, by March or April of 2011.

Comments and suggestions related to the revision of the Administrative Rules for Water Wells can be directed to Jim Goddard of the Division of Water Rights (jimgoddard@utah.gov or 801-538-7314).

With 22 Strategically Located Western Warehouses, Western Hydro Has The Groundwater Drilling & Pumping Equipment And Supplies You Want, At Competitive Prices!

Our Customer Service Specialists are here for all of your water handling needs!

- ◆ Submersible Pumps
 - 4", 6", 8" and Turbine
 - 3 Turbine Build Facilities
- ◆ VHS Pumps & Motors
- ◆ Centrifugal Pumps
 - Close Coupled
 - SAE Drive
 - Other Options
- ◆ Sump, Effluent, and Sewage
- ◆ Variable Frequency Drives
 - Goulds Aquavar, BF & SPD
 - Pentek Intellidrive
 - Danfoss
- ◆ Steel and PVC Casing & Screen
- ◆ Deep Set Pipe
 - 1", 1-1/4", 1-1/2", 2"
- ◆ All Of Your Related Supplies and Accessories!

Call Us Toll-Free!
1-800-421-4185!

Hydro

WESTERN HYDRO CORPORATION

2406 SOUTH 3270 WEST

WEST VALLEY CITY, UT 84119

*Serving The Water Industry
For Over 30 Years!*



Need a drilling contractor that specializes in Geotechnical Drilling?

To find one, turn here:

findadriller.com

Findadriller.com puts drilling contractors complete contact information at your fingertips year-round!

Search by:

- Location or Zip Code
- Company Name
- Type of Drilling

Start Your Search Today!

findadriller.com



WARD D. CURTIS
wcurtis@infinityinsuranceutah.com

www.infinityinsuranceutah.com

39 W 9000 S
Sandy, Utah 84070

801.619.6288
801.619.6293 fax

UN-X-LD
Pipe & Supply Co.

4060 South 8400 West
P.O. Box 589
Magna UT 84044

Phone: (801) 252-8486
Fax: (801) 252-8491
Cell: (801) 381-0861
Email: daryl@unxldpipe.com

DARYL HOFFMAN

NOBODY DOES IT BETTER!



MOAB BIT & TOOL CO.

24 Hr. Service 1-800-453-1052

FAX 435-259-2968

www.moabbitt.com

California Office:

3414 K. Street
Bakersfield, CA 93301
661-326-0447
Fax: 661-323-5998

Main Office

999 W. 400 N
P.O. Box 817
Moab, UT 84532

DIRK PHILLIPS

Shop Manager
435-259-7763
email: dirk@moabbitt.com

Drill Bits, Hole Openers
Floats, Subs, Collars
Stabilizers & Drill Pipe
DTH Air Hammers

Announcing The UGWA Sponsorship Program

We are please to announce the introduction of the UGWA Sponsorship Program. This is a great way to show your support & get the most out of your advertising dollars. We offer 4 sponsorship levels to fit your needs. For more information, please contact Colette Read at 801.541.7259 or colette@utahgroundwater.org.

We are excited about the changes we've made to your Association & we hope you are too.

BRONZE LEVEL SPONSOR: One UGWA membership (\$50 value); One full color ad on the UGWA website, www.utahgroundwater.org with link to your website or email; One 1/8 page size/business card size ad in The Advocate, the UGWA's quarterly newsletter (\$100 value); Recognition at all UGWA events.

SILVER LEVEL SPONSOR: One UGWA membership (\$50 value); One full color ad on the UGWA website, www.utahgroundwater.org with link to your website or email & reoccurring HOME page placement; One ¼ page size ad in The Advocate, the UGWA's quarterly newsletter (\$200 value); 10% discount at all UGWA events (\$40 off annual conference vendor registration); Recognition at all UGWA events.

GOLD LEVEL SPONSOR: One UGWA membership (\$50 value); One full color ad on the UGWA website, www.utahgroundwater.org with link to your website or email, HOME & SPONSOR tab placements; One ½ page size ad in The Advocate, the UGWA's quarterly newsletter (\$300 value); 15% discount at all UGWA events (\$60 off annual conference vendor registration); Recognition at all UGWA events.

PLATINUM LEVEL SPONSOR: Two UGWA memberships (\$100 value); Full color ad on the UGWA website, www.utahgroundwater.org with link to your website or email, Platinum all tabs placement; One full page size ad in The Advocate, the UGWA's quarterly newsletter (\$400 value); 25% discount at all UGWA events (\$100 off annual conference vendor registration); Recognition at all UGWA events.

REPORT WARNS OF SHRINKING AQUIFER WEST OF CEDAR CITY—SALT LAKE TRIBUNE (10/22/2010)

By Mark Havnes

The Salt Lake Tribune

Published Oct 22, 2010 08:16AM

Updated Oct 22, 2010 12:04AM

Cedar City • Just as a bank account dips when withdrawals exceed deposits, so the water table in the Cedar Valley Aquifer has been dropping over the past 70 years as discharge rates have exceeded recharge, and the losses likely will continue unless measures are taken to plug the problem.

That was the conclusion of a report delivered Thursday night to a meeting of the Central Iron County Water Conservancy District in Cedar City.

The report, compiled by senior geologist William Lund and his staff with the Utah Geological Survey (UGS), was commissioned by the conservancy district in 2009 after a ground fissure nearly 4 miles long was discovered snaking through a subdivision in the city of Enoch.

The resulting ground subsidence caused sewers to flow backward and development to stop after only one house was built in the 400-lot project.

Lund said such fissures are not normally investigated when they appear in undisturbed areas or farmland but fissures can cause problems when development begins.

Since 1939, the water in the aquifer west of Cedar City has dropped an average of 60 feet — and in some places 114 feet, Lund said. The aquifer lies under a 116-square-mile surface area.

Fissures also are occurring in the Quichapa Lake area west of Cedar City, also an area of expanded development. The subsidence, or sinking of the surface, in some areas is more than an inch a year, the report said.

Lund said the problem is similar to subsidence issues facing areas of Arizona and Nevada, where sinking ground has caused more than \$100 million in damage to infrastructure.

Another worry: Water seeping into the fissures from the surface also can carry contaminants into the aquifer.

The report recommends balancing recharge with what is taken out and continued monitoring of the aquifer.

It also recommends that cities avoid developing in areas that have severe fissures, and urges developers to disclose the existence of fissures.

As a last resort, a prohibition on withdrawing water from the aquifer was recommended.

Scott Wilson, manager of the conservancy district that commissioned the study, said that the information will be helpful in directing the agency's decisions in dealing with the valuable water.

He said the aquifer is drafted by Cedar City and 398 others, including farmers and developers.

"When you have mixed-use, every straw in the ground contributes to [lower water levels]," said Wilson, adding that the drop in aquifer water has not reached critical low levels.

He said the study cost the district \$85,700. Half the cost was picked up by the UGS.



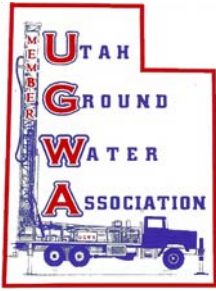
Go Paperless and Save a Tree!

Request Your Newsletter To Be Sent To You Via Email
In An Easy To View—Full Color PDF
Email admin@utahgroundwater.org Today!

Also Available On-Line

Renew/Become a UGWA Member
Register for The 2011 UGWA Annual Conference & Expo
Become a UGWA Sponsor
Read Past Newsletter Issues
Visit our Classified Page
And Much More!

Visit Us at www.utahgroundwater.org!



Utah Ground Water Association
Board Meeting Minutes
Tuesday, October 5, 2010 – 12:00 pm

Attendees: Richard Petersen; Colette Read; Jim Goddard; Dave Edvalson; Chris Mikell; Chris Dekorver; Jason Lamb; Shawn Nordhoff; Randy Winegar; Dewey Petersen & George Condrat for Bill Loughlin

Financial Report – Colette Read:

Financial reports presented for review (see attached) & discussion. Randy Winegar approved as presented; 2nd by Shawn Nordhoff; all in favor; none apposed.

3rd Quarter Balances:

Primary Savings = \$25,681.64	Business Checking = \$24,393.67
Crisis Fund = \$7,071.51	Scholarship Fund = \$4.87

Website-Colette Read:

The website is up and running. Colette reported that we are online with WWDR, NGWA, Mt States & National Driller. Colette committed to have online registration and membership application setup by the end of October.

Executive Secretary vs Executive Director – Richard Petersen:

Richard suggested that we change Colette's title to Executive Director. This conforms to NGWA standards and should eliminate any second guessing of Colette authority to distribute information. Randy Winegar approved as presented; 2nd by Chris Mikell; all in favor; none apposed.

NGWA Delegates-Richard Petersen:

We are allowed 5 delegates at the NGWA Expo in Las Vegas. NGWA presented a list of eligible delegates for our review. It was determined that Richard Petersen & Dave Worwood would fill 2 of those positions. Richard says he should be able to just give the names at the show. Chris Mikell asked why only contractors were on that list, since both he and George Condrat were members of NGWA. Colette will contact NGWA regarding both of these concerns & will advise the board.

Officers to Mt States Conference-Richard Petersen:

Richard suggested the President, President-Elect & Past President represent the Association at the Mt States show in Laughlin NV in February. The Association will cover registration & lodging as agreed at the July board meeting.

Conference/Expo-Chris Mikell:

Chris reported that the conference planning is on schedule. Colette submitted for the McElhiney & Darcy lecturers some months ago & we still waiting for confirmation. Colette will contact Barbette Howell @ NGWA to check status. Colette confirmed with the Casa Blanca and all pricing appears to match last year. Colette suggested that we keep the pricing the same as last year. It was also agreed that we would separate the membership dues from the conference registration. Chris asked & received several topic ideas from the board members.

UTAH GROUND WATER ASSOCIATION

5577 Walden Glen Dr, Murray UT 84123

www.utahgroundwater.org

President (exp 01/2011)

Richard Petersen
Aqua Design Inc
2642 S 11900 W
Cedar City UT 84720
(435)559-9357

aquadesign4@yahoo.com

President-Elect (exp 01/2011)

Dave Worwood
4D Plumbing
66 S Main St
Nephi UT 84648
(435)623-1199

dave@waterwellservice.com

Past President (exp 01/2011)

H Dewey Petersen
Peterson Brothers Drilling
691 W 400 N
West Bountiful UT 84087
(801)381-7863

VP Newsletter (exp 01/2011)

Deidre Beck, PG
Stantec Consulting Inc
1844 E Cima Dr
Sandy UT 84093
(801)261-0090

dlombardi15@msn.com

VP Memberships (exp 01/2011)

Randy Winegar
Mitchell Lewis
6991 S Commerce Park Dr
Midvale UT 84047
(801)541-2560

rwinegar@mitchellewis.com

VP Conventions (exp 01/2012)

Chris Mikell, PG
Bowen Collins & Associates
154 E 14000 S
Draper UT 84020
(801)495-2224

cmikell@bowencollins.com

**Contractor Representative
(exp 01/2011)**

Dale Gardner
Gardner Brothers Drilling Inc
PO Box 965
Enterprise UT 84725
(435)878-5602

info@gardnerbrothersdrilling.com

**Contractor Representative
(exp 01/2012)**

Jason Lamb, CWD
Boart Longyear
2745 W California Ave
Salt Lake City UT 84104
(801)973-6667

jlamb@boartlongyear.com

**Technical Representative
(exp 01/2011)**

Bill Loughlin
Loughlin Water Associates LLC
3100 W Pinebrook Rd #1100
Park City UT 84098
(435)649-4005

bill@loughlinwater.com

**Technical Representative
(exp 01/2012)**

Chris Dekorver
Bowen Collins & Associates
154 E 14000 S
Draper UT 84020
(801)495-2224

cdekorver@bowencollins.com

**Manufacturer Representative
(exp 01/2011)**

Dave Edvalson
Mitchell Lewis
6991 S Commerce Park Dr
Midvale UT 84047
(801)561-5011

dedvalson@mitchellewis.com

**Manufacturer Representative
(exp 01/2012)**

Shawn Nordhoff
Industrial Piping Products
PO Box 27395
Salt Lake City UT 84119
(801)973-7111

shawnnordhoff@gmail.com

Executive Director

Colette Read CBA
Utah Ground Water Association
(801)541-7259

colette@utahgroundwater.org

State of Utah Representative

Jim Goddard
Utah Division of Drinking Water
(801)538-7314

jimgoddard@utah.gov

Utah Ground Water Association
5577 Walden Glen Drive
Murray, Utah 84123