

UTAH GROUND WATER ASSOCIATION

The Advocate SPRING 2013 EDITION

LETTER FROM THE PRESIDENT JASON LAMB — BOART LONGYEAR

Hello Everyone. Hope everyone is doing well. From those of you I have spoken with, it appears business is a roller coaster and really nothing new. A few weeks back we had some desirable weather and things really started to break open. Rigs were busy, people were in a good mood, and the sun was shining. Then the snow came back, the rigs quit working, and everyone got into a grumpy mood. What happened? It seems like the same routine year after year but I never seem to get used to these late springs. Saturday soccer games are starting up and I am decked out in thermals and a ski mask.

I wanted to take some time in this newsletter to discuss safety. It has become a huge part of our business and gets overlooked constantly. I am one of the worst culprits. Recently there was a slide at the Bingham Canyon Mine at Kennecott. Nobody got hurt, thankfully! Equipment damage on the other hand was substantial. 18 to 20 Haul Pack trucks, 3 shovels, several drill rigs, buildings half gone, and production stopped. Obviously the slide was much bigger than the mine anticipated. Mike Neilson (University of Utah Mining Department) was quoted saying "Had this happened 30 years ago, the results would have been much different, and many lives would have been lost". I have to agree, technology has come a long way and will continue to do so. The instruments used to detect the movement of the mine walls and benches are impressive. Mine engineers were able to detect and predict the slide within 24 hours. Not too bad. But at the end of the day, the only real certainty is the uncertainty of what will happen. When we wear our seatbelt while driving, it does not eliminate the possibility of an accident. It is only a precaution that will minimize the damage to us if in an accident. Over the years I have witnessed many accidents and learned about taking precautions. Time seems to be the big factor that everyone has a hard time dealing with when it comes to safety simply because time is money. You all are aware of those times when you get going too fast and skip a step, it costs you. Lately, I have been reminding myself to stop and think about the task at hand. I am finding myself clicking my seatbelt before starting the engine instead of

(Continued on page 2)

INSIDE THIS ISSUE:

LETTER FROM THE PRESIDENT	1
FROM NWGA NEWSZINE	2
UGWA PED AND SUMMER RETREAT	3-5
PUBLIC RELATIONS FOR THE CONTRACTOR	7
NEWS FROM THE STATE ENGINEER'S OFFICE	10
EXPLOSIONS THE WASATCH FAULT VIDEO	13
UGWA SCHOLARSHIP PROGRAM	15
UGWA MEMBERSHIP APPLICATION	22

LETTER FROM THE PRESIDENT (CONTINUED)

(Continued from page 1)

clicking it while going down the street or coming to the first stop sign. I am finding myself slowing down and reviewing the directions before assembling the toys and or bookshelves backwards, then getting in a hurry to fix it and smashing a thumb. It is hard to put a price on safety when you don't show a profit from it. The only time you realize the risk is when it costs you. Maybe it is a sign of age for me, but my son still wears safety glasses when he weed-eats the lawn or uses my saws or grinders and he is only 13. He had to be taught to wear them; he was not born with that intuition. Nonetheless, I am trying to retrain myself to take things a little slower. Push the heart attack out a couple of more years, keep my fingers and toes, and enjoy the day I have TODAY. Hope you'll do the same.

The Mountain States Ground Water Board Meeting is in New Mexico this year. I will be attending it on May 18th. I should have results and scholarship funds received before the Moab Retreat June 7th and 8th which I am very much looking forward to. The Moab PED is looking like it is going to be a big turnout. There will be 6 CEU credits available, the annual BBQ, and available river raft trips. You can register online through our website. Hope to see all of you there.

Until we talk again, Jason Lamb

FROM THE NWGA NEWSZINE NATIONAL GROUND WATER ASSOCIATION

NGWA Washington Fly-in Educates Policymakers

Approximately 70 NGWA members from around the country gathered for the 2013 NGWA® Washington Fly-in, February 25-26 in Washington, D.C., to educate policymakers about groundwater. But before heading to the Hill, attendees received an update from key agency officials on the latest policy developments related to water supply, contamination assessment and remediation, and geothermal heat pump tax incentives.

NGWA was pleased to host the recently named U.S. Environmental Protection Agency Office of Ground Water and Drinking Water Director, Peter Grevatt. Grevatt began his remarks highlighting groundwater's significant contribution to the nation's water supply and its growing importance. He thanked NGWA for its leadership, including our partnership with the EPA in the Source Water Collaborative. As Grevatt shared, the Collaborative is currently working to build bridges with the U.S. Department of Agriculture, the Future Farmers of America, and other agriculture groups to ensure that food production is maintained while water quality is protected.

After listening to the first day's speakers and an afternoon briefing session, NGWA Washington Fly-in attendees were ready to "hit the Hill," visiting their Congressional offices. Despite the rain, NGWA members enthusiastically took on the job of educating Congressional staff and members about their businesses and

(Continued on page 20)



UGWA PED & Summer Retreat June 7th & 8th 2013 Moab, Utah

Please join us for this year's Moab Professional Education Day & Summer Retreat. We will be offering 6 hours of CEUs, combined with a fun family get away. This will be a great way to get to know and reconnect with others in our industry while enjoying some family fun in sunny Moab. We can't think of a better way to kick off the summer. You won't want to miss this one!

SCHEDULE OF EVENTS

FRIDAY, JUNE 7th

- 9:00 am Utah Water Well Drilling Rules & Regs
- 10:00 am DOT Regulations, Safety & Inspection Protocols
- 11:00 am VFD Programming: Basic to Advanced
- 12:00 pm Lunch sponsored by [Western Hydro Corp](#)
- 1:00 pm Hydrogeologic Classification Lab
- 2:00 pm Drilling Muds
- 3:00 pm Water Well Pump Testing
- 5:30 pm BBQ @ The Rotary Park sponsored by [Moab Bit & Tool](#)

SATURDAY, JUNE 8th

- 8:00 am River Rafting Trip

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See you in Moab!!***

UGWA PED & Summer Retreat

June 7th & 8th 2013 ~ Moab, Utah

Registration Form

Registration is available on-line at www.utahgroundwater.org or by mail using this form. Early registration ensures we can accommodate everyone. Those received by May 31 will be entered into a special drawing. Questions??? 801.268.4886 *See you in Moab!*

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PUBLIC RELATIONS FOR THE CONTRACTOR

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Each one of us has to, at times deal with the public in the process of our work. These can be trying experiences and can be a test of patience. Most of us try to do our work quietly, anonymously and without much fanfare. Most of the time this works pretty well but sometimes this is not possible. We may be set up in a very public place or in a location that is sensitive or may even be a location that is the subject of legal disputes.

These are the times that require us to use our best personal interaction skills. This may not be a natural reaction to a difficult situation or even part of our personality to do so. As a driller most of us take this business very personally. We take any complaint as a personal insult and tend to react quite negatively to any such complaint. Sometimes the default reaction is to just get mad, defensive, and this usually leads to raised voices and the possibility of a physical confrontation.

When a complaint from the public is received I have found that we can do several things to help defuse the situation and maintain a good public image. None of us needs bad press or a poor public image. I have said many times that the worst thing that can happen to me is to end up on the 5:00 news. The media will tell you that any press is good press but I do not subscribe to that opinion. I offer a few things that have worked for me over the years.

1. When the complaint comes in, try and take some time before responding.... Just like a comedian, they say that “timing is everything”. That is the case here. The public will expect a response from you. If you respond too soon your temper may still be high. If you wait too long or do not respond at all that usually does not look good for you.
2. Make sure that you always respond to each complaint.... Many times a complaint comes in the form of a nasty phone message or an e-mail. If your response is calm and polite you will find that people will mostly respond in the same way you react.
3. Try and always respond in person.... Try and not respond by e-mail or text msg. It is very easy to have your message misunderstood if not done in person. That way you can see their body language and hear in their voice what they are really trying to express.
4. Listen carefully to their complaint.... When discussing a tough issue try and listen more than you talk. Allow the person to fully explain their position and see if you can find some common ground that you both can agree on. At that point you can begin to work on a solution.
5. Try and see their point of view.... It can be helpful to “walk in another man’s shoes” for a bit. If you can do this you may be able to discover what the real complaint is about. Many times the real complaint may be completely different from the problem that is at hand. Try and get to the root problem. I have found that many times a person just wants someone to hear them and validate their feelings. I have left many of these discussions with the person thanking me and with a smile on their face.
6. Make some sort of a peace offering or some compromise.... Many persons will feel much better if they leave feeling that they got something out of the meeting. This can many times be a small token that will cost you little but goes a long way for them.
7. Be proactive. Try and get the jump on pending problems.... Recently I came on a job that I knew there were going to be problems with two of the neighbors. The day I made the first site visit I saw one lady out working in her yard. I walked over and introduced myself. I saw that she was doing some cleanup in the

(Continued on page 7)

PUBLIC RELATIONS FOR THE CONTRACTOR (CONTINUED)

(Continued from page 6)

yard. I offered right there that I would scoop up and get rid of some of the junk that was lying around. Her face lit up and she said, "You would do that for me?" Well it took two scoops with the Bobcat and about 5 minutes to smooth out and we were best friends for the entire job. This really cost me nothing and it went a long way in defusing a longstanding problem. It has also improved relations for those that followed me.

8. Be nice, keep a smile on your face.... That speaks for itself.

This is not meant to be a comprehensive list. There are many other principles and things that can be helpful. It is my intention to offer these few suggestions as a starting place.

We all want to be perceived as a professional and a top shelf contractor. If you keep your well site cleaned up, and neat, people will see you that way. Try and maintain you stuff well, keep it looking good and painted the best you can. All of these items will go a long way in improving you public perception and image.

I am including some photos of a job that has the potential of some serious public relation issues. We are sitting on the corner of a public street. We are 20' out into the road and will be there for some 30 days. We have received some random calls from people that say they cannot see around the rig to make the right turn. I actually agree with them on that one. It is a hazard but it is the only place we can set the rig. The well has been there since the 1940's and the city built has up around it. The City does not own the house or lot that the well sits on. You can see the problem.

I have used these principles listed in dealing with the public many times. I have tried very hard to intercept the complaints before they get to the owner of the well. So far, this one is going pretty well. We came up with a safety and traffic plan that should keep everyone safe. One guy wants a temporary street signal at the intersection. In an effort to make this man feel better I looked into that possibility. In this case there are studies that show that this traffic signal will actually make the intersection less safe. This person now knows that I made a good faith effort and took his suggestion seriously. I told him how long we would be on site (with two weeks extra, just in case) and now he is feeling much better.

These are not really easy skills to acquire but if you work at it, it will pay dividends. You will sleep better your sites will be safer and the public will have a better opinion of you as a contractor.



(Continued on page 12)

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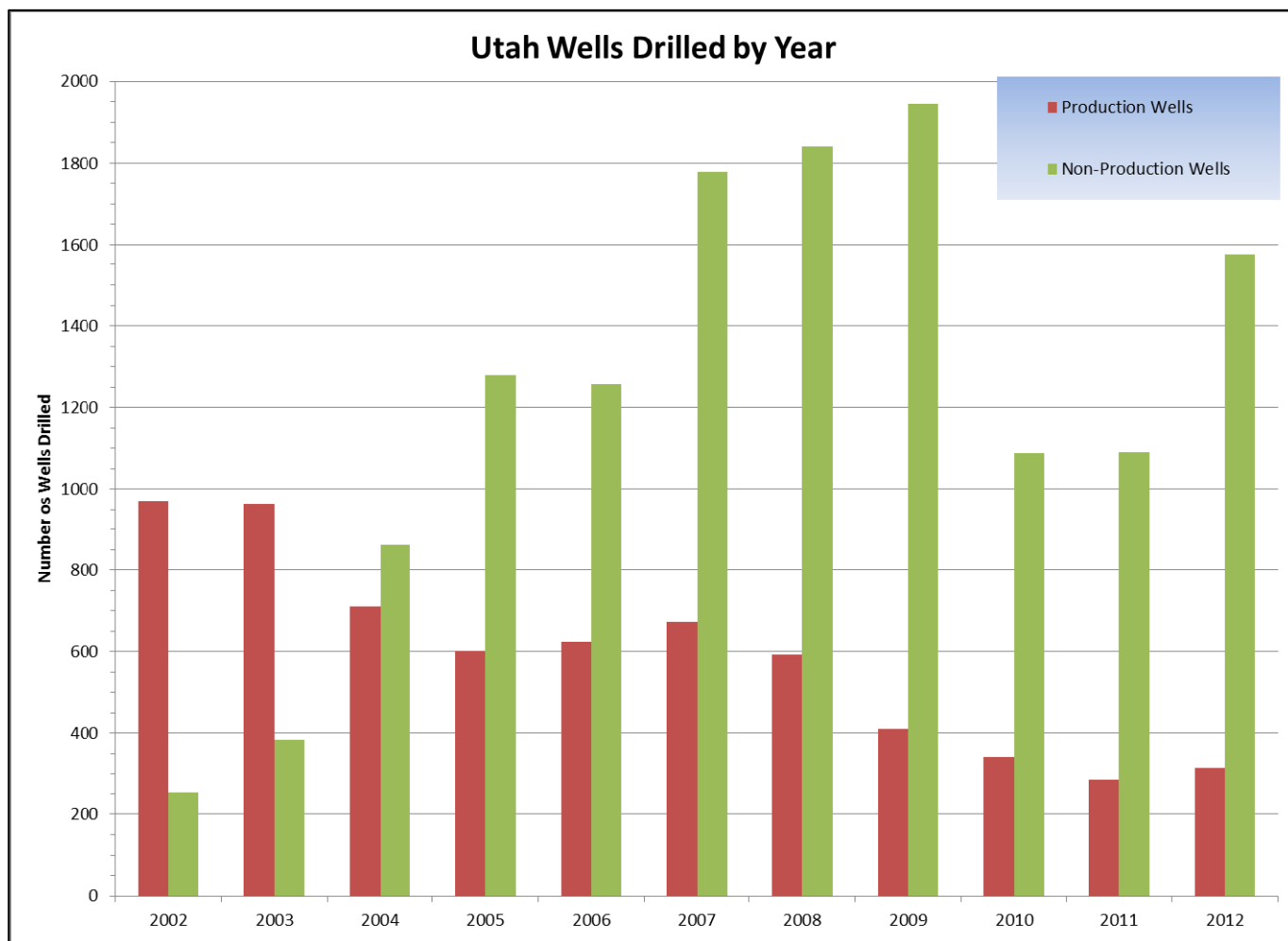
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NEWS FROM THE STATE ENGINEER’S OFFICE

JIM GODDARD, PG—UTAH DIVISION OF WATER RIGHTS

Annual Water Rights Well/Pump Seminar: As part of the well driller continuing education program, the State Engineer’s Office will be offering a six hour well drilling seminar to drillers, pump installers, and other interested groundwater professionals on Thursday June 20, 2013 in rooms 1040, 1050, and 1060 of the DNR Building (1564 West North Temple in SLC). The seminar is free of charge. The seminar will begin at 8:00 am and finish at 3:00 pm. The agenda for the seminar will include: 1) an overview of well drilling rules and current issues; 2) mud and sealing technology; 3) comparison of results from two different well drilling/ construction techniques; and 4) pumps and aquifer protection. If you plan to attend, please RSVP to the well drilling program at 801-538-7416.

Well Drilling Statistics and Comparisons: Presently, there are 163 licensed drillers and pump installers in the State of Utah and 218 registered operators. A total of 315 production wells and 1475 non-production wells were drilled in 2012. The following tables illustrate: 1) the comparison of wells drilled over the past decade; and 2) the well-type distribution during the year 2012.



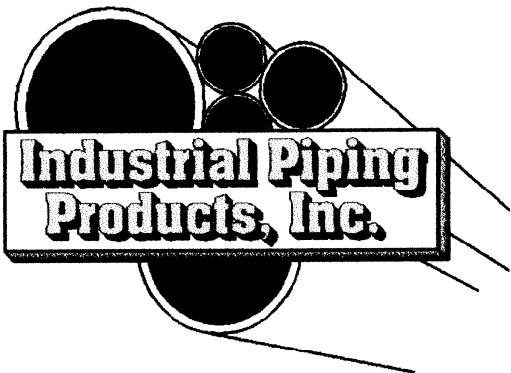
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PUBLIC RELATIONS FOR THE CONTRACTOR (CONTINUED)

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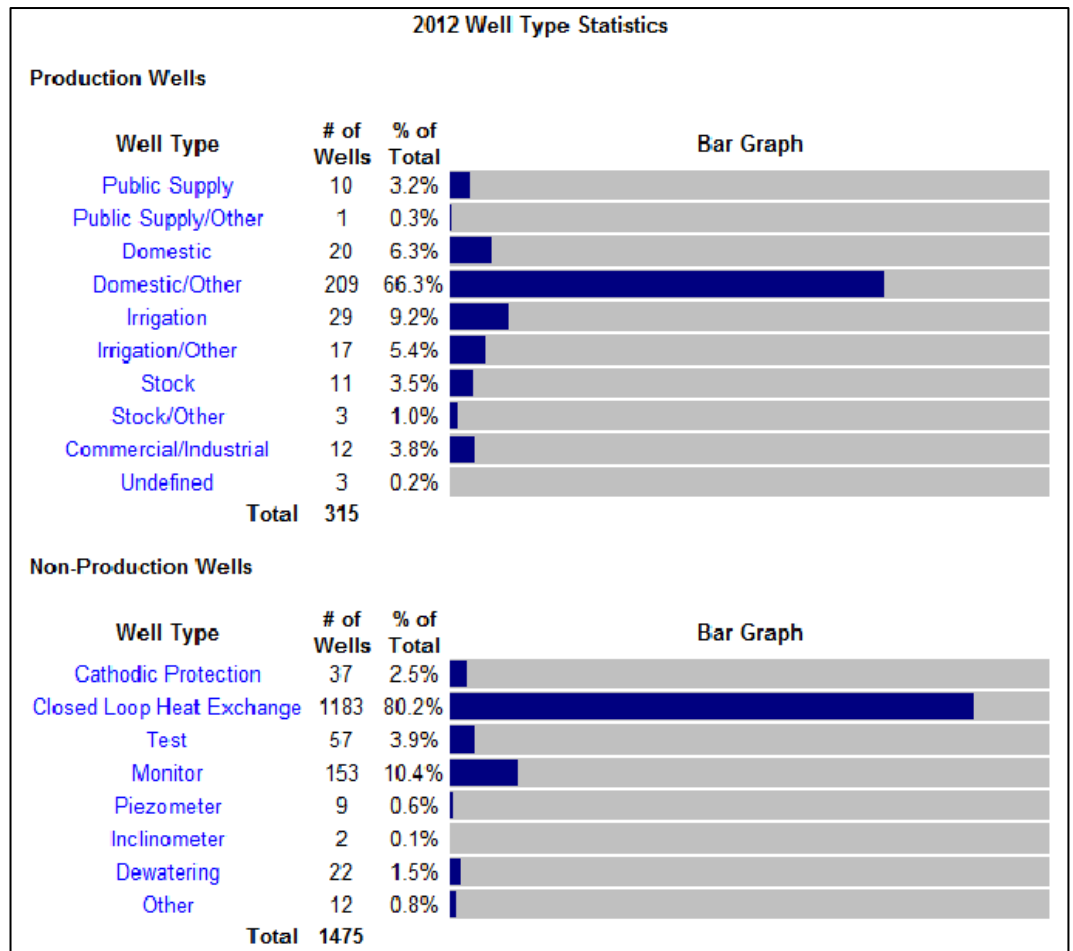
Last tip.... Wear your seatbelt; Change the hydraulic oil in your rig this year.

Kyle Widdison CWDPI Lis. # 533 and #11



NEWS FROM THE STATE ENGINEER'S OFFICE (CONTINUED)

(Continued from page 9)



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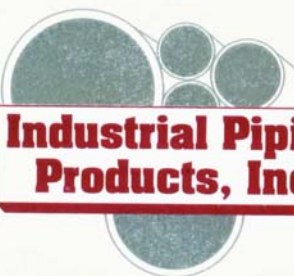
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From the Utah Geological Survey

Video – Exposing the Wasatch Fault – A Source of Large Earthquakes Along the Wasatch Front

Check out this video. It takes you along the trace of the Wasatch fault, showing its proximity to cities and towns in the Wasatch Front region, and also highlighting the history of past large earthquakes on the central, most active segments of the fault. The video also includes footage from a recent trench investigation at the North Creek site on the Nephi segment of the fault, and describes how geologists interpret evidence of large, prehistoric earthquakes. Check it out at:

http://geology.utah.gov/utahgeo/hazards/eqfault/wfault_exposed.htm


UGWA Announces Its New and Improved Website

We are pleased to announce the launch of the Utah Ground Water Associations new website! The new website brings to you some new and exciting "Members Only" benefits such as:

- Manage your own online profile
- All new UGWA Blog
- Streamlined event registration.
- View/Renew your membership
- Online access to our member database
- Post FREE classified ads

And we are just getting started! We encourage you to take a moment to login, create your own password and review/update your profile. Questions? Contact Colette: colette@utahgroundwater.org

Our address is the same www.utahgroundwater.org but the look and feel is ALL NEW!



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UGWA Scholarship Program

Instructions for Application

The UGWA Scholarship Fund is made available to assist and encourage the education of qualified active UGWA members, their spouse, children and/or grandchildren.

The Program is funded by donations from the [National Ground Water Association](#), the [Mountain States Ground Water Association](#) and our members. The fundraising auction held at the annual UGWA Conference & Expo is enthusiastically supported by our members & all proceeds benefit this program.

ELIGIBILITY:

- * **An** active UGWA member, their spouse, child or grandchild;
- * **And** the sponsoring UGWA member has been in good standing for a minimum of two (2) consecutive years prior to application;
- * **And** a student who is currently enrolled or planning to enroll within 6 months from award, in a full-time course of study at an accredited two or four year college, university or vocational-technical school;
- * **And** who is accepted by that institution during the year which the scholarship is given;
- * **And** have completed the Association's scholarship application with required supporting documentation;
- * **And** complete application is received by June 15 of each calendar year in which scholarships are awarded.

HOW TO APPLY: You must submit all information in the format you feel will best show your achievements and accomplishments during your scholastic career. Scholarship selection will be based on the following information submitted for review:

- * Fully Completed UGWA Scholarship Application Cover Sheet;
- * Academic Record/Grade Transcripts;
- * Minimum of 3 Written Recommendations From Teachers, Advisers or Counselors;
- * Demonstrated Leadership and Extracurricular Accomplishments;
- * Statement of Economic Need;
- * Educational and Career Goals;
- * And Work Experience and History.

DEADLINE: All applications must be **RECEIVED no later than June 15, 2013**. Incomplete applications will not be considered. Scholarship awards will be based on the selection process made by an independent auditor such as the Salt Lake Community College, Office of Financial Aid. All submittals will be confidential. No UGWA members will be involved in the selection procedure. The number of awards will be based upon the financial strength of the Association's Scholarship Fund.

SCHOLARSHIP AWARD: The scholarship award will be no less than \$500 and no more the \$2,000. Scholarship value will be determined upon financial strength of the fund and the number of qualified applicants. All awards will be made by check payable jointly to the student and the sponsoring member and must be endorsed by both.

SUBMIT COMPLETE APPLICATION TO:

Utah Ground Water Association
5577 Walden Glen Dr
Murray UT 84123-7942

NOTICE: All applications are independently evaluated by the Financial Aid Department of the Salt Lake Community College in Taylorsville, UT. At no time are any members, board members or staff of the UGWA involved in the selection process. Every effort is made to ensure the fair and equal consideration of all applicants.

DEFERANCE: In the event community/civil service prevent an applicant from timely submitting an application for a current school year, consideration may be given for a future year's consideration. Applicant must submit a request and explanation for deferred consideration, along with any supporting documentation, with their completed application. Deference will be reviewed on a case by case basis by the current year's UGWA Board.

If selected, you will be asked to provide: applicant's date of birth, social security number and 4x6 photograph prior to receipt of funds.

UGWA Scholarship Application
Cover Sheet

ABOUT THE APPLICANT

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first middle last

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FROM THE NWGA NEWSZINE NATIONAL GROUND WATER ASSOCIATION

(Continued from page 2)

the importance of groundwater to their states and constituents. In particular, Senators were asked to join the newly formed Senate Water Caucus.

For more information, visit the NWGA Newszine at:

<http://newsmanager.commpartners.com/proofs/proofs/previewnewsletter.php?id=ngwanz20130405&articlenumber=0#1>

Lead-Content Law Takes Effect in 2014

The U.S. Environmental Protection Agency announced that back inventory of products not meeting the definition of lead-free under the **Reduction of Lead in Drinking Water Act** can no longer be used after January 3, 2014, unless the product is exempted under the law.

NGWA members should begin now to plan their production, purchasing, and inventory management to meet this deadline in the United States.

The Reduction of Lead in Drinking Water Act changed the definition of lead-free to mean not containing more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.

As of January 4, 2014, no person may introduce into commerce or use any pipe, or any pipe or plumbing fitting or fixture, in the installation or repair of any public water system or any plumbing in a residential or non-residential facility providing water for human consumption, that is not lead-free under this new definition.

Back inventory that does not meet the 0.25% lead-free calculation cannot be installed after January 3, 2014, unless it is exempt from the prohibitions. The definition of lead-free solder and flux—0.2% lead—was not affected by the Act.

Exemptions are provided for pipes, pipe fittings, plumbing fittings or fixtures, including backflow preventers, that are used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption. Also specifically exempted are toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger.

Contractors and suppliers developing their purchasing and inventory control plans should also check on return policies.

For more information, visit the NWGA Newszine at:

<http://newsmanager.commpartners.com/proofs/proofs/previewnewsletter.php?id=ngwanz20130405&articlenumber=0#1>

Membership Application

RENEW or JOIN ON-LINE at WWW.UTAHGROUNDWATER.ORG or
MAIL THIS COMPLETED APPLICATION WITH YOUR PAYMENT of \$60 to:
UGWA 5577 Walden Glen Dr, Murray UT 84123-7942

MEMBERSHIP TYPE (CIRCLE ONE): A B C D E F

DRILLING LICENSE # _____ **CONTRACTORS LICENSE #** _____

NAME _____

PROFESSIONAL DESIGNATIONS _____

COMPANY _____

MAILING ADDRESS _____

CITY/STATE/ZIP _____

PHONE (_____) _____ **EMAIL** _____

HOW DID YOU HEAR ABOUT US _____

Membership Types

- A. CONTRACTOR:** Any person doing business and licensed to drill, either water wells or ground water monitoring.
- B. PUMP INSTALLER:** Any person doing business and licensed to install ground-water pumping equipment.
- C. MANUFACTURER:** Any person engaged in the manufacturing of equipment, or materials used in the ground water industry.
- D. SUPPLIER:** Any person 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.
- F. ASSOCIATE:** Any person engaged in the support of the UGWA who does not accurately fit in any of the above.

This membership allows the joining of one individual to benefit from all the privileges of membership in the Utah Ground Water Association. Annual membership dues are \$60.00 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. All memberships are annual and run July 1st thru June 30th. Memberships purchased mid-year will have the 2nd year prorated to bring them compliant with this format.

UTAH GROUND WATER ASSOCIATION

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)	

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 1/4 page size ad in The Advocate, the UGWA's quarterly newsletter (\$200 value); 10% discount at all UGWA events (\$40 off annual conference sponsor 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 1/2 page size ad in The Advocate, the UGWA's quarterly newsletter (\$300 value); 15% discount at all UGWA events (\$60 off annual conference sponsor 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 sponsor registration); Recognition at all UGWA events.

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U

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