

UTAH GROUND WATER ASSOCIATION

The Advocate SPRING 2015 EDITION

LETTER FROM THE PRESIDENT RICHARD PETERSEN — LAST DROP DRILLING AND PUMP SERVICES

So here I am running behind as I'll bet most of you understand. For me, it has been a busy last few months trying to get organized and keep up with new things that are happening. It has been suggested that I talk a little about the lack of snow and how everyone needs more wells and water, and it could not have come at a better time. We have lost many drillers to age and with the economy lately we all could use a little help.

I for one am glad to hear from the engineers, hydrologists, drillers and pump guys, that we all seem to be working a little more in Utah. I also want to send my heart felt concerns and prayers to those that are having more than normal problems (health or otherwise) and to those families who have had loved ones pass. I hope things look up for them and their families.

There are some things I would like to talk about even though it might put me in the dog house with some. First, this is your association, if you choose to participate in it, but you must at least show some interest though. Why do we have an association? For me, it is being heard that matters. There are 2.9 million people in Utah and maybe one hundred drillers. We as drillers make up less than 0.004% of the population. The whole of the Utah's voting population vote in some way to regulate us, and if you try to be one driller alone, your vote won't be a drop in the well. Together, we can at least make a little noise. Now I'm not sure we always make the right noise, but at least we try to have a voice for you all. It is also a place to network knowledge and friendships, and understand each other a little more. We find new suppliers and sometimes meet the competition, and surprisingly, we might even make friends. But one thing is for sure, in some way, without much effort, you can always walk away with a lot.

Now, if you have been a part of us for a while, you know like any large group, we haven't always agreed over the years. This has caused growth and dissolution, and we have reorganized and went again several times. This last time it was simply the lack of keeping active with the state. This was found out when we decided to employ a part time secretary that turned into a management position, which then made it possible to grow in many ways. For some it has been bad and others good, and again, there are many who would like to see it go backwards, while others forward. I have heard everything from

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LETTER FROM THE PRESIDENT (CONTINUED)

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as little as “let's go back to just electing those that can afford to pay their secretary or has a wife willing to do all the work for free”, or the extreme of splitting the association to north and south. I do not believe either of these options are good for any of us.

The other thing that seems to come up every year is the scholarship fund for the children of association members. This is a touchy subject for many reasons. In the 10 years I've been on the board the scholarship meetings have turned into the longest meetings in the last few years and with the most tension; mostly for a couple of reasons that are continually discussed over and over again. This seems to be ok with those on the board who only drive 20 minutes, or only come to one meeting, and have not heard it before, but for those who have been on the board for multiple years, it gets tiring to go over and over the same argument every time.

In the current bylaws it states the Scholarship fund is supposed to go to those who have a “*financial need*” and meet the other qualifications. Some want to keep it this way and say it is up to the member to be honest with the need part.

The change that is being debated is to remove this phrase (financial need), so our donations to the scholarship fund would then simply be a prize in a competition, and that the board should have no control on changing the amount going to each winning applicant. For an example, over the years the scholarship fund has varied according to the amount of funds available. Most years lately, we have been blessed to have ample funds to give large scholarships to all the qualified applicants. Each of these applicants have a sponsoring member, who in my opinion, is equally entitled to apply, and if qualified, receive some of these funds. In the past, we (as a board) have adjusted the amount of the scholarships from \$500 to \$2000, based on amount of funds available. Lately, because of the number of applicants, we have also amended these bylaws to allow us to adjust the amount of the scholarships, so that all qualified applicants can receive some help. We have kept the phrase “*financial need*” in the bylaws for many years, because we are part of the five states association, and it's based on their tradition of donating to those in financial need.

The other reason is, all of us on the board try to distance ourselves from awarding the scholarships, so as to be fair. The discussion brought up by the same board member every year is that we should use your donations to fund this as a competition, only with “*financial need*” having no bearing. I have often mentioned that this should be brought up at our annual meeting or at the scholarship fundraiser, so that those who are donating will have more of a say in where their money goes. However, this suggestion to the member never seems to materialize until the scholarship meeting of the board, and over it again we go, without your input. This is YOUR group. You have voted for your board members. This is your money donated to the scholarship fund. How do you want it spent? For all those in need, and who qualifies? Or for those who after receiving full ride scholarships elsewhere, and parents who have the money to send their kids anywhere, receiving our hard earned donations. Make your voice heard, and your money speak.

The other topic needing to be participated in is communication. Many on the board, and now some members, feel we keep too much from you. I think most, if not all (including myself), agree to welcome all of your input and wish for more real participation from all. But I can tell you, to the small one to five guy operations out there, this is the only place your voice can be heard in our industry, and if you don't speak up and keep ahold of what little we have, there will only be the big guys here hoping to weed you out one by one. Get on-line, voice your thought, ideas, and feelings now. You may have an opportunity in the future to

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LETTER FROM THE PRESIDENT (CONTINUED)

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listen to our meetings and see who is representing you the way you want, and who is not. If you do get this opportunity, take it. Use it for your benefit. Big government didn't go bad from the top, it starts at you, the voter, so participate. Be part of something you can say you care about. Please understand, this is my opinion and though I might be in the dog house with some, I fight just as hard for them to have the right to voice their opinion also. My only desire is that all of you have a right to hear and be heard and that all be respected in their opinion. Thank you for reading this. I appreciate the time on my soap box because I care and I know you do too. Make your voice heard.

Richard Petersen — UGWA President



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NEWS FROM THE STATE ENGINEER'S OFFICE JIM GODDARD, P.G. — UTAH DIVISION OF WATER RIGHTS

Over the past year at continuing education seminars including UGWA Mesquite/Moab, Water Rights SLC, and IGWA Pocatello, The Division of Water Rights has presented and discussed potential updates and clarifications to the Administrative Rules for Water Wells (R655-4 UAC). Most of these proposals have come about as a result of suggestions and recommendations from licensed drillers and pump installers. During the seminar presentations, many valid comments were received and incorporated. The rule updates proposed are still very much in the draft stage, so we are still requesting feedback, comments, and suggestions for the proposals below, as well as any new rule calcifications/changes. The official administrative rule revision process will likely start later this year after all comments have been received and incorporated. A brief listing of proposed changes is included below. Questions, comments and suggestions related to the proposed revisions 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).

R655-4-11.4.3.1 Temporary Surface Casing Removal: It is proposed that the ambiguous language regarding removal of surface casing and the provisions for leaving unsealed surface casing in place be clarified. The rule language will be simplified by stating that surface casing must be properly sealed in place or removed.

R655-4-11.4.2.2 Bentonite Grout Recipe: Based on the Nebraska Grout Study and our own observations/testing, the current 20% solids bentonite grout recipe is inadequate especially in the vadose zone. It is proposed that the bentonite grout recipe be modified to include at least a 4:1 sand/bentonite mix to allow for better stability and increased solids content. The new mix must still contain at least 20% solids active bentonite. A 4:1 bentonite grout mix meeting this minimum standard would include a mix of 200 lbs. sand, 50 lbs. bentonite, and no more than 24 gallons water. The upper mix limit would be 8:1; that is not more than 400 lbs. sand per 50 lbs. bentonite with water.

R655-4-11.4.1.1 Cement With Plastic Casing: It is proposed that a provision be added that restricts the use of cement type grouts with PVC/HDPE casing. It has been shown that the heat of hydration can damage plastic casing. Moreover, it has also been shown that due to expansion-contraction of the plastic casing during heat of hydration, a micro-annulus can form between the plastic casing and cement after the cement sets up and hardens and the plastic casing contracts as it cools. This can allow a contamination migration pathway into the well from the surface. Also, the bond between cement and plastic casing is weaker than the bond between cement and steel casing.

R655-4-14.6.1 Casing Cut-Off During Abandonment: It is proposed that the requirement of cutting an abandoned well's casing off two-feet below ground be relaxed. This requirement was put in place when most wells were agriculture-related where there was a need to cut the casing off below the cultivation zone. In many cases, this requirement no longer applies, and so the cut-off depth would be determined on a case-by-case basis.

R655-4-3.9.2 Surety Bond Effective Period: It is proposed that the surety bonding requirements be clarified such that the effective period of the bond matches exactly the 2-year licensing period of the licensee. This will eliminate the chance of a bond expiring in the middle of a licensing period which can jeopardize the status of the licensee.

R655-4-11.2.4.2 Use of 4-inch PVC Casing: Currently the rules allow Sch40/SDR21 4-inch PVC casing in wells. Anything larger than 4-inch nominal casing would need to be Sch80/SDR17. The original intent of this rule was to allow small diameter non-production wells such as monitoring wells to utilized Sch40/SDR21 casing.

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NEWS FROM THE STATE ENGINEER'S OFFICE (CONTINUED)

(Continued from page 5)

However, there is an increasing frequency of the use of 4-inch Sch40/SDR21 PVC casing in production wells, which was never the intent of this rule. In fact, with the increase use of this casing, we are seeing more and more failed 4-inch PVC production wells. It is proposed that the rule be revised to only allow 4-inch or smaller Sch40/SDR21 casing in non-production wells. Production wells would be required to have Sch80/SDR17 casing or thicker.

R655-4-1.2 Allowed Regulated Activities by License: With the inclusion of two licensing types, Well Driller and Pump Installer, it has become necessary to clarify the regulatory roles of each classification and define under which circumstances a well log and/or pump log be submitted. In other words, it is necessary to define what regulated activities each licensing category is authorized to do. Presently, regulated activities include drilling, construction, development, testing, pump installation/repair, cleaning, disinfection, deepening, repairing, renovating, and well abandonment. A well driller's license shall be able to perform drilling, construction, development (except with a pump), testing, cleaning, disinfection, deepening, repairing, renovating, and well abandonment. A licensed driller shall submit a well log following performance of these regulated activities on a well. Alternatively, if the only activity on a well by a well driller includes development, testing, cleaning, disinfection, a pump log can be submitted instead of a well log. A separate abandonment log is required for stand-alone well abandonment activity. If a newly drilled/constructed well fails and needs to be abandoned, the abandonment details can be included on the well log report and a separate abandonment log is not needed. A pump installer's license shall be able to perform pump development, testing, pump installation/repair, cleaning, and disinfection. A licensed pump installer shall submit a pump log following performance of these regulated activities on a well. A pump log does not need to be submitted if disinfection is the only activity on the well. Regarding this issue, we are requesting feedback regarding pitless adapter installation. Installing a pitless adapter obviously requires modification to the well casing itself. The question is...should a pump installer be allowed to install a pitless adapter in the well casing?

R655-4-4.1 When is a Renovate Permit Required?: Previous to pump installer licensing, a renovate permit was required anytime regulated activity was performed on an existing well. Regulated activity related to a renovate permit included deepening, repair, renovation, cleaning, development, testing, and disinfection. In order to obtain a renovate permit, a renovate application needed to be filed with the Division of Water Rights. Upon approval of the application, an approval letter and start cards would be issued to the applicant, and the licensed driller would need to submit the start cards before the work and a well log following the work. With the recent promulgation of pump installation rules and processes, the policy regarding when and for what a renovate permit is needed has been modified. Now, a renovate permit is needed only when the well itself will be modified which includes activities such as deepening, casing/seal/gravel pack repair/renovation, liner installation, pitless adapter/unit installation, and perforating/screen installation. Other regulated well activities that do not modify the well itself such as cleaning, development, testing, disinfection, and pump work are covered under the Pump Installation rule and processes, and a renovate permit is no longer required. However, this work must still be performed by a licensed well driller or pump installer and a pump log must be submitted upon completion of the regulated work. This is the present policy in the Division, and it is proposed that this policy be included in the administrative rule.

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NEWS FROM THE STATE ENGINEER'S OFFICE (CONTINUED)

(Continued from page 6)

R655-4-7 Allow Enforcement Negotiation without a Hearing: With respect to well activity enforcement, when a violation occurs and is investigated and the cumulative infraction points equals or exceeds 100 points, a hearing is required. In some cases, it may not be necessary to hold a hearing if the issues of concern can be resolved to the satisfaction of all parties. It has been suggested that the rules be modified to allow for a pre-hearing negotiation or preliminary conference in certain circumstances. This will allow for the possibility of a stipulated agreement for which the State Engineer can issue a consent order. The consent order would allow the violations to be resolved without a hearing which could include remedial action by the licensee and/or fines.

R655-4-1.2 Pump Installer Licensing Exemption: According to well licensing statute in section 73-3-25, a person who installs or repairs a pump in a well on the person's own property for the person's own use is not required to obtain a pump installer's license. We have discovered that some are too liberally interpreting what "person" means in the statute and rule in this case. The intent of the legislature in granting this exemption was to allow a home owner, farmer, or rancher to do their own pump work if they so choose. Unfortunately, we have seen other entities such as municipalities, other public water suppliers, government entities, and corporations/businesses try to use this exemption. It is proposed that the rules be clarified to define a "person" in this exemption to be an individual homeowner, rancher, or farmer, and that other entities described above would not qualify for this exemption.

R655-4-1.2 Monitoring Wells & Pump Work: An issue has been brought to our attention regarding pump-related work on monitoring wells. Should a license be required to do pump work, testing, sampling, etc., on monitoring wells? Or should an exemption be allowed for an owner/operator and/or consultant to this type of work on small 2-4 inch shallow monitoring wells?

R655-4-8.2 Allowed Continuing Education Credit: It has been proposed that we expand the scope of what is allowed as continuing education credit to include teaching well and groundwater awareness (such as at schools and/or community/public events) and providing humanitarian service/training related to wells and groundwater.

R655-4-8.2 Registered Operator Continuing Education: Currently, licensed drillers are required to obtain 12 credits of continuing education each 2-year licensing cycle. Some licensees have suggested that registered operators also be required to obtain continuing education albeit to a lesser extent such as 3 credits or 6 credits. We would appreciate your feedback on this recommendation.

R655-4-8.2 Minimum Score on Operator Exam: Presently, an applicant for operator registration is required to pass a take-home open-book exam with a score of at least 70%. Given the on-your-own and open-book nature of the exam, it is suggested that the minimum score on the operator exam be increased to 80% instead of 70%.

Jim Goddard, P.G.

Well Drilling Program Manager — Utah Division of Water Rights

jimgoddard@utah.gov

801-538-7314

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9am-12am CEU Classes

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1pm-4pm CEU Classes

5:30pm BBQ *sponsored by Western Hydro*

Saturday, June 13th

8am River Rafting Trip

STORIES FROM THE FIELD

JASON LAMB — BOART LONGYEAR

Boart Longyear Team Uses Dual-Tube Flooded Reverse Circulation Technique to Drill 60-inch Shaft through Loss Circulation Zones at Wyoming Coal Mine

A Boart Longyear (www.BoartLongyear.com) drilling team rose to the challenge as it bore down into the earth to create a ventilation shaft for an underground longwall coal mine in Southwest Wyoming.

The task? Guide a 60-inch bit to a depth of 550 feet through a challenging geological formation that included two aquifers – all in just over four weeks. Not only did they get it done, but they did so several days ahead of their deadline despite project start-up delays.



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STORIES FROM THE FIELD (CONTINUED)

(Continued from page 9)

The key to their success? The dual-tube flooded reverse-circulation drilling technique, which allowed the extraordinary bit to penetrate loss circulation zones that precluded the use of a more traditional raised bore rig. The technique pumps air through the outer tube and forces mud and cuttings upward through the inner tube, preventing them from plugging porous rock formations.

Working around the clock in rotating, three-member crews, the Boart Longyear Salt Lake City Rotary Drilling Services team utilized a LMTM200 top head drive rig fitted with stabilizers and the massive bit. To minimize the risk of a mine entry collapse, the borehole was drilled off to the side of the mine tunnel and a 54-inch casing with 1/2-inch wall thickness was installed and cemented in place. Underground mine crews then mined over and punched through the concrete to open up the shaft.

“What our team accomplished was absolutely remarkable,” said Jason Lamb, U.S./Mexico territory contract manager at Boart Longyear, the world’s leading provider of integrated drilling services, equipment and performance tooling. “Drilling such a large-diameter hole through loss circulation formations in a single pass – and in less than a month and a half – is something few companies are capable of performing.”

About Boart Longyear

Celebrating its 125th year anniversary in 2015, Boart Longyear is the world’s leading provider of drilling services, drilling equipment, and performance tooling for mining and drilling companies globally. It also has a substantial presence in aftermarket parts and service, energy, mine de-watering, oil sands exploration, and production drilling.

The Global Drilling Services division operates in over 30 countries for a diverse mining customer base spanning a wide range of commodities, including copper, gold, nickel, zinc, uranium, and other metals and minerals. The Global Products division designs, manufactures and sells drilling equipment, performance tooling, and aftermarket parts and services to customers in over 100 countries.

Boart Longyear is headquartered in Salt Lake City, Utah, USA, and listed on the Australian Securities Exchange in Sydney, Australia. More information about Boart Longyear can be found at www.boartlongyear.com.

Have a Great Story?

Share your great story with the rest of us. We all appreciate a good story, especially one that we can learn from, laugh about or apply to our lives.

Email your great story to:

Neil Burk — UGWA Newsletter Editor

neil@loughlinwater.com



Jeffrey C. Stucki


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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;
- * **And** have not previously received 4 scholarships from this fund.

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 Current (6 months or less) 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, 2015**. 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. A maximum of 4 annual scholarships are available to any one applicant unless the applicant is obtaining an advanced degree or furthering their education in a related field to the association at which time they may receive a scholarship for an additional 2 years, not to exceed a maximum of 6 years total.

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.

SUBMIT COMPLETE APPLICATION TO:

Utah Ground Water Association
5577 Walden Glen Dr
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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. **If selected, you will be asked to provide: applicant's date of birth, social security number and a 4x6 photograph prior to receipt of funds.**

UGWA Scholarship Application

Cover Sheet

ABOUT THE APPLICANT

NAME: _____
first middle last

ADDRESS: _____
street address

city state zip

EMAIL: _____

PHONE: () _____

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RELATION: _____
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Toll Free 800-748-5150



Steve Price

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

In The The Great State Of Utah, Experienced Drilling And Pump Contractors Know That Western Hydro Is The Place To Go For The Equipment And Supplies You Want At Competitive Prices!

WE STOCK A COMPREHENSIVE LINE OF ...

- Pumps ● Casing - PVC/Steel ● Screen - PVC/Steel Pipe ● Pump Derricks & Parts
- Drilling Rig Pumps and Parts ● Tanks ● Drilling Fluids - Mud/Grout
- Water Treatment Systems & Supplies ● Drilling Supplies - Bits/Subs/Hammers
- Lead Free Water Service Valves ● And Much More!

Western Hydro Corporation now has five complete build centers, strategically located for your build to order submersible and lineshaft turbines. Machine work, labor, and other services available by quotation.



- Labor:**
- Bowl tear down and rebuild
 - Remove seized nipples
 - Special TPL's
 - Impeller back filing
 - Hardened sleeves removed/Installed
 - Line shaft/head shaft flame straightening
 - Tube and shaft clean up

Machine Work:

- Wear Rings – Cast iron, brass, stainless steel
- Impellers Trimmed
- Machine bowls for wear rings or oversize bearing
- Reface Bowls
- Keyways cut
- Machine for dual seals
- Motor or drive clutch bored, bushed, re-key
- Special length shafts, oil tubes, column pipe, column nipples
- Special Adaptations – Threading, tee-brgs, stretch bearings



Franklin Electric

NEW!

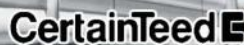
WE ARE PROUD TO NOW OFFER A FULL LINE OF FRANKLIN ELECTRIC PUMPS AND MOTORS TO OUR CUSTOMERS!

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WESTERN HYDRO CORPORATION

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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	\$0	\$15
Careers/Help Wanted	\$0	\$0
Bronze Sponsor	1/8 page included with Annual Contract	
Silver Sponsor	1/4 page included with Annual Contract	
Gold Sponsor	1/2 page included with Annual Contract	
Platinum Sponsor	Full page included with Annual Contract	

BRONZE LEVEL SPONSOR: One UGWA membership (\$60 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 (\$60 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 (\$60 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: One UGWA memberships (\$60 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.

For More Information Contact:

Colette Read at 801.541.7259, colette@utahgroundwater.org or www.utahgroundwater.org

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