

UTAH GROUND WATER ADVOCATE

SPRING 2011 EDITION



INSIDE THIS ISSUE:

*LETTER FROM THE
PRESIDENT* 1

*LETTER FROM THE
MEMBERSHIP VP* 4

*NEWS FROM THE
STATE ENGINEER'S
OFFICE* 8

*WEBSITE IS TROVE
OF INFORMATION* 12

*MOAB SUMMER
SEMINAR* 13

*MEMBERSHIP
APPLICATION* 14

*2011 UGWA
SCHOLARSHIP
PROGRAM* 16

*UGWA
BOARD
DIRECTORY* 19

LETTER FROM THE PRESIDENT

DAVE WORWOOD — 4D PLUMBING

Since our last news letter several UGWA members attended the Mountain States Ground Water Convention in Laughlin NV. This is a great convention and I would encourage all of you to attend if you can. Our State gets a contribution towards our scholarship fund depending on how many attendees from our State attend the convention. Our committee for the auction in Laughlin picked out a Mormon quilt and delivered it to the convention and it was one of the highest priced items bought at the auction. I would like to thank Jerry Bronicel & Mike Zimmerman for their contribution and the help they provided to get that accomplished. Again I would like to see our State represented better at this convention in the future.

On a different subject as I was waiting in the doctor's office not long ago I had a strange thought come to me. I wondered why doctors and other professionals do not drop their prices in times like this. As a business owner for over 25 years and raised in a business home I know that when times get tough the trades people always drop prices to get work even though overhead does not go down but normally it goes up. I wonder what would happen, if as the doctors do, we trade workers did not lower our prices which start price wars amongst ourselves. I don't believe many of us in the trades have made enough money to be able to afford to do this. It goes against all good business practices and if we were not making excess money before, we surely can't be making a profit at lowered pricing. So my question is how do businesses that do this pay their bills and put food on the table for their families. I have talked to many contractors over the past year and I keep hearing the same complaint, "I can't make any money [or profit]". I wonder how long any of us can make it through if we don't make a profit. We not only affect our families but many other businesses in that same profession. If we can't pay our suppliers they struggle and they can't pay manufacturers and that chain continues on up the food chain. I watched this domino effect during the 80's as I watched some of the biggest suppliers in the West go broke, Salt Lake Hardware,

Continued on page 2

LETTER FROM THE PRESIDENT

(CONTINUED)

Stravell Paterson, Townly Hardware and many others. It was because they could not absorb the debt that was handed them by all of the small companies that went broke during those hard times and did not pay their accounts. If we don't make enough profit to pay our bills and obligations then we as a profession have done an injustice to our whole profession.

Now back to my original question, why do we drop our prices? Can someone give me a reason that makes business sense?? I would like to see every driller and pump company make it through these hard times, but the trend I am seeing will not allow that according to my business schooling. The fact is, we must work and we must make a profit while providing our services or we are out of business. Like doctors and attorneys we provide a valuable service and I wish everyone a profitable year.

Now, as I have learned in the recent past, e-mails show no emotion in our words and people will insert their own into the written word. I just hope I have not offended anyone with what I have said; it was just meant as food for thought because there is no shame in the word "profit", it is necessary to remain in business.

Help support the Moab Summer Seminar, there is more on that in this issue.

Have a great summer and good fishing to all!

David Worwood

Save The Date!



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The UGWA Member

We are working very hard to improve your Association and we need your help.

Recently, the UGWA Member Satisfaction Survey was emailed to you. If you did not receive an email from us, don't worry, you can complete it on-line from our website www.utahgroundwater.org.

Thank you for your input, it will help us make your Association better for you.

LETTER FROM THE MEMBERSHIP VP

JIM WANKIER—MITCHELL LEWIS & STAVER

Recently I sent out an e-mail to all the UGWA Members that I had current e-mail addresses for to get some feedback about your overall experience with being a member of the UGWA. If you have not received an e-mail or I have not contacted you yet, I will in the near future. If you received an e-mail but have not yet responded, please do so. Your input is extremely important to ensure that all the members have a positive and enjoyable experience being members of the UGWA. Over the past few weeks I have had a few responses, and have found the information very interesting, but we really do need to hear from everyone. Please take the time to respond, or if you did not receive an e-mail, you can send me one at jwankier@mitchellewis.com . Or give me a call at 801-803-2763.

Some things that you may include:

- What do you like most as a member?
- What do like the least as a member?
- What types of benefits do you expect?
- What would you change with the UGWA?
- What would you say to anyone considering joining the UGWA?
- Why are you a member?

Or if you just want to let off some steam, that's ok too.

The whole purpose of this requested feedback is simply this: to improve your overall experience and satisfaction with being a member of the UGWA. And of course provide an attractive package for those potential members out there that may be considering joining.

Continued on page 6



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LETTER FROM THE MEMBERSHIP VP (CONTINUED)

The UGWA is a wonderful organization that provides a lot of good for our industry. It provides a way that we can all stay in touch with each other, and keeps us on the cutting edge with technology, techniques, and methods that pertain to Utah's ground water industry. Not to mention, when we are organized together, we speak with a voice that can be heard. It is the **members** that make the UGWA what it is, and it will be the **members** that propel the Utah Ground Water Association into the future making a difference. Please take the time to send in your comments. They will be heard and they are most appreciated. And a special thanks to all those who have already responded.

Jim Wankier



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NEWS FROM THE STATE ENGINEER'S OFFICE

JIM GODDARD, PG—UTAH DIVISION OF WATER RIGHTS

NEW WATER WELL HANDBOOK

The revisions to the Administrative Rules for Water Wells (Section R655-4 UAC) became effective on April 7, 2011. The primary revision to the Rules included the addition of pump installer licensing and the regulation of pump installation and repair work. The revised rules have been incorporated into a new handbook which is available now on our website at www.waterrights.utah.gov/wellinfo. Please discard the old 2008 version of the handbook (yellow cover) and replace it with this new 2011 version. The new handbook is in the printing process and will be distributed to all licensees and registered operators in May when the licensing renewal packets are sent out. The new handbook will have a light purple cover.

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 and others interested on Wednesday June 1, 2011 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) practical well/pump testing; 3) all about pitless adapters/units; 4) pump work and groundwater protection; 5) Snake Valley drilling project update; and 6) Chilean miner rescue using drilling technology video. If you plan to attend, please RSVP to the well drilling program at 801-538-7416.

WELL DRILLING STATISTICS AND COMPARISONS

Presently, there are 180 licensed drillers and pump installers in the State of Utah and 197 registered operators. A total of 1,064 wells were drilled in 2010 (down 44%). The 2010 wells are broken down as follows:

- 154 DOM/IRR/STK Wells
- 7 Public Supply Wells
- 36 Stock Watering Wells
- 99 Irrigation Wells
- 9 Commercial/Industrial Wells
- 104 Monitor/Test Wells
- 29 Cathodic Protection Wells
- 726 Heat Exchange Wells (Closed Loop)

Due to several factors (mainly the economy), the number of wells drilled in the State has dropped off considerably. Production well drilling is down 16% from 2009; 33% from 2008; and 39% from 2007. The graph on page 13 illustrates the comparison of wells drilled from 2006 to 2010.

Continued on page 10

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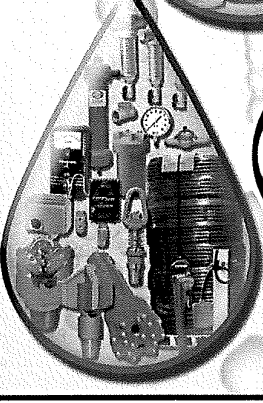
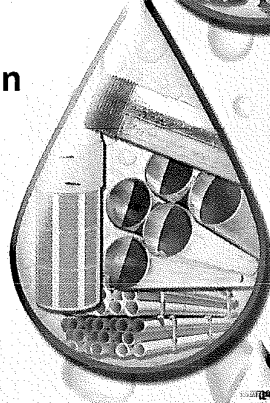
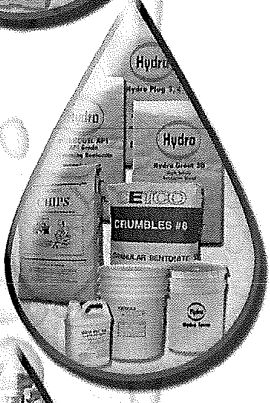
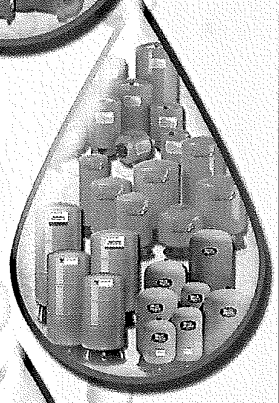
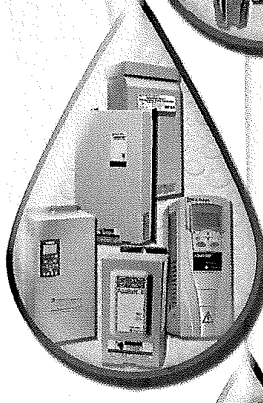
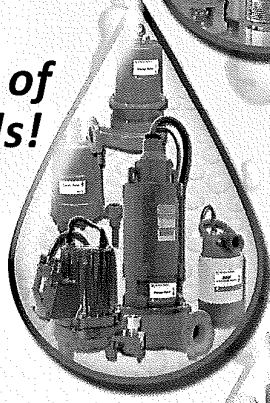
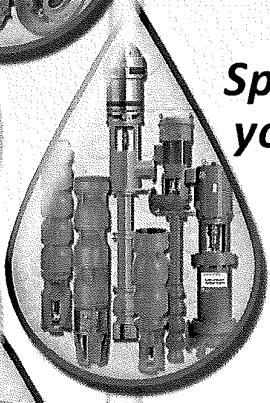
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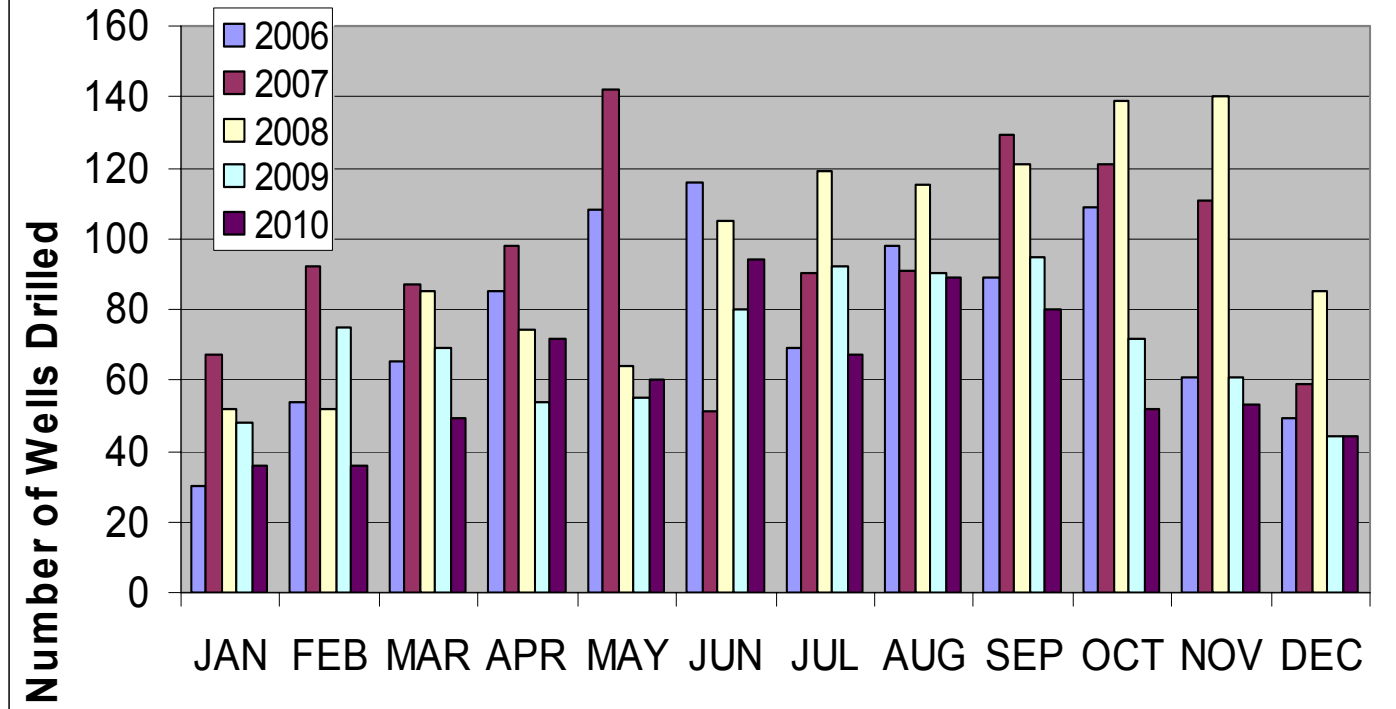
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NEWS FROM THE STATE ENGINEER'S OFFICE

(CONTINUED)

Comparison of Wells Drilled Between 2006 - 2010



By Jim Goddard, PG

Old Boys have their Playthings as well as young Ones; the Difference is only in the Price. - Poor Richards Almanac - 1752



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MATT LINDON, PE—LOUGHLIN WATER ASSOCIATES LLC

I am sure many of you are aware of the buried treasure in the Division of Water Rights fantastic web page – waterrights.utah.gov. This comprehensive web page, built by Boyd Clayton and Jerry Olds for the Technical Services Section of the Division, and now maintained by James Greer and Collin Wood, provides direct access to almost all water right, dam, stream, distribution, adjudication, enforcement, proof, title and well drilling files in tabular, visual, map, GIS and now Google formats. It also has information on Division meetings, hearings, publications, flow records, statutes, policies, training, legislation and current issues in the water world. Go there and surf around and you will be amazed at what is available at your finger tips.

Of special interest to UGWA members is the well drilling and ground water sections. With guidance from Jim Goddard, Well Drilling Specialist for the Division, these web pages have been tailored to fit your every need. Under the fly down menus on the home page go to **Programs**, then go to **Well Drilling** and there you will see sub-pages that: (1) list all the licensed well drillers and their addresses, (2) link to administrative rules for wells, (3) provide a comprehensive existing well driller log (since 19991) data base with a map or data search engine, (4) list all geologic logs for wells done by the Division and Utah Geological Survey, (5) show all state wide well drilling statistics, (6) provide license and operator registration information and applications, (7) list updated information on continuing education (8) provide USGS ground water measurement information, (9) provide a program to calculate aquifer drawdown based on the Theis equation, and (10) provide a comprehensive list of other well drilling web page links in Utah and across the country.

Under the **Groundwater** heading in the **Data** section on the home page there are links to: (1) all of the groundwater management plans prepared by the Division, (2) a ground water policy map, (3) MODFLOW groundwater model input files for all the models maintained by the Division, (4) information on the groundwater recharge and recovery projects in the state. Also look under the **Policy** heading in the **Law** section on the home page to get information on policies for every major drainage in the state - you can access these either by a location or topic. Don't forget to play with some of the location, use and flow calculators available throughout the web pages. They are really cool.

Every heading has numerous sub-heading with file access and links that abound. Every blue title displayed is a gateway to more web pages, water rights, well logs and specific information for your perusal and utilization. Click the **Water Right** banner at the top to go back to the home page and explore the many unique and redundant ways of accessing well and groundwater information at the Division. It is amazing what you can find, just by letting your fingers do the walking and by just clicking around.

Matt Lindon (Matt is former Assistant State Engineer)



Moab Summer Seminar

6HRS CONTINUING EDUCATION CLASSES

8:00 AM - J GODDARD- RULES /REVIEW

9:00 AM - J GODDARD-
Drilling to Rescue Chilean Miners

10:00 AM - UHP LAWS AND UPDATES

11:00 AM - DOWN HOLE HAMMER

LUNCH

1:00 PM - FIRE EXTINGUISHER USE / SAFETY

2:00 PM - SOLAR PUMPS

5:00 PM - BBQ AT THE ROTARY PARK



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Non-Members: \$35

BBQ Dinner: \$10 pp

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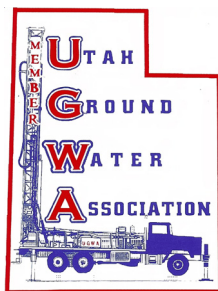
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Membership Application

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

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

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REPRESENTATIVE _____

REPRESENTATIVE DESIGNATIONS _____

MAILING ADDRESS _____

CITY/STATE/ZIP _____

PHONE (_____) _____ CELL (_____) _____

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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
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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 ¼ 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 ½ 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.

For More Information Contact: Colette Read at 801.541.7259, colette@utahgroundwater.org or

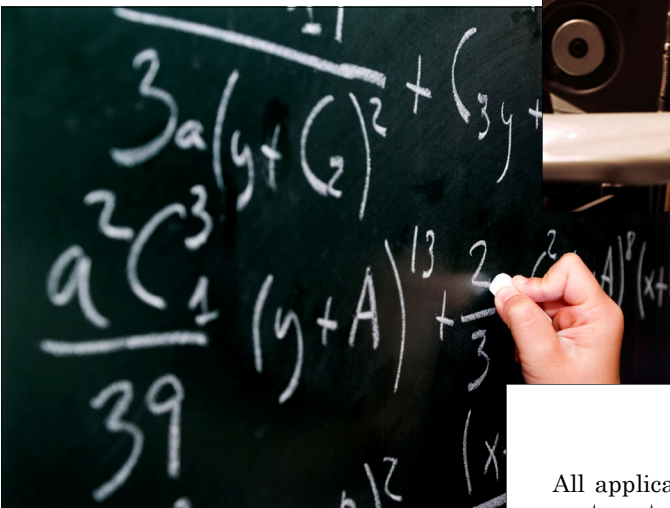
2011 UGWA Scholarship

**The Deadline to Submit your Scholarship Application is
Wednesday, June 15th!**

All applications must be **RECEIVED** by the UGWA office by the June 15th deadline to be considered for this year's scholarship. Applications and instructions are available in this newsletter and online at www.utahgroundwater.org.



For any questions contact:
Colette Read, Executive Director



NOTICE

All applications will be 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.

UGWA Scholarship Program

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 consecutive years prior to application;
- * **And** a student who is currently enrolled or planning to enroll 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** has 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, 2011**. 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.

If selected, you will be asked to provide: applicants date of birth, social security number and 5x7 photograph prior to receipt of funds.

UTAH GROUND WATER ASSOCIATION

5577 WALDEN GLEN DR, MURRAY UT 84123-7942

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