CWWCA Mid-Year Conference Preliminary Program Info

The CWWCA mid-year conference is quickly approaching. It’s scheduled for July 11th–13th at Beaver Run Resort in Breckenridge. Here are some details to help you prepare for the event.

**Friday, July 11, 2008**
- 9:30 - 11:30 am—Technical Working Group Committee Meeting
- 11:30 - noon—CWWCA Board of Directors only-working meeting
- Noon - 1:00 pm—Registration
- 1:00 - 3:00 pm—CDHE-Ground Water Contamination
- 3:00 - 3:30 pm—Break
- 3:30 - 5:30 pm—Terry Proffer, CGD, Ground Source Heat Pump-Heat Exchangers, or Fundamentals of GSHP Systems & Design of Heat Exchangers
- 6:00 pm - 7:00 pm—Supplier Sponsored Social Hour
- 7:00 pm - 9:00 pm - Dinner/Presentations/Speaker

**Saturday, July 12, 2008**
- 8:00 - 9:00 am—Breakfast Buffet
- 9:00 - 10:00 am—Larry Seitter, Grundfos Pumps Corp - Renewable Energy Powered Pumps, 1 hr CE

**Sunday, July 13, 2008**
- 10:00 - 10:15—Break
- 10:15 - 11:30—Membership Meeting
- 11:30 - noon—Suppliers Meeting
- 6:00 - 9:00—Informal social gathering

**Hotel Information**
A block of rooms has been reserved at the Beaver Run Resort, Breckenridge, CO. Make your reservations directly with the Hotel by June 20, 2008. The toll-free phone number is 1-800-525-2253. Be sure to mention that you are with Colorado Water Well Contractors Association. The group room rates are: (tax not included)

- Hotel Room $109.00
- Deluxe Studio $129.00
- One Bedroom Suite $139.00
- Colorado Suite $139.00
- Two Bedroom Suite $199.00

**CWWCA MEMBERS—NGWA LEADERSHIP CONFERENCE**
- NGWA Leadership Conference, Sunday, March 22, 2009

This event will once again be held at the Washington Court Hotel, in Washington, D.C.

Let the CWWCA Board of Directors, or the office, know if you would be interested in attending this informative Conference.

**Contents**
- Mid-Year Conference Preliminary Program
- Events Calendar
- Advertising Information
- Web Sites
- President’s Letter
- Scholarship Winners Announced
- Legislative Review
- Membership Application
- CWWCA Board & Committee Members
- Safety Pays
- Safety Incentive Programs
- TWG Update
- NGWA Requests Assistance
- Website Committee Report
- NWGA/SMARxT DISPOSAL Campaign

**More Details to Follow**
PLAN TO JOIN US IN BRECKENRIDGE!!!!

WATCH FOR YOUR SPECIFIC MID-YEAR REGISTRATION FLYER!!!!!
## Advertising Information

### Website Advertising

Banner advertisements appear on the right of every page of the website. The advertisement rotates sequentially, so every ad will have equal display time. If the demand for banner advertisements warrants it, additional banners will be incorporated into the site.

**One year banner advertisement: $300.00**

If the advertiser is a CWWCA member, this fee also includes a free upgrade of your member directory listing.

Banner ads should be 150 pixels wide, and 150-300 pixels high. Ads must be submitted in .jpg format.

**Member directory upgrade**

CWWCA Members may choose to upgrade their listing in the searchable member’s directory.

Upgrading allows your listing to be displayed at the top of searches and sorts. It allows your listing to link to your website. And upgrading allows you to display your logo or picture of your choice with your listing.

**One year of Directory upgrade: $50.00**

Pictures for the listing should be submitted in .jpg format and should be 80 pixels high, by 80-160 pixels wide.

### DrillStem Advertising

**Advertising Rates for the Drillstem, A Quarterly Publication of CWWCA (published in March, June, September, and December)**

<table>
<thead>
<tr>
<th>Number of Issues</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
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<tr>
<td>Savings</td>
<td>0%</td>
<td>5%</td>
<td>10%</td>
<td>15%</td>
</tr>
<tr>
<td>Full page: 7”x10”</td>
<td>$250</td>
<td>$475</td>
<td>$675</td>
<td>$850</td>
</tr>
<tr>
<td>Half page: 5”x7” (3.5”x10”)</td>
<td>$150</td>
<td>$285</td>
<td>$405</td>
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</tr>
<tr>
<td>Quarter page: 2.5”x7” (3.5”x5”)</td>
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<td>$172</td>
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<tr>
<td>Business card: 3.5”x2”</td>
<td>$50</td>
<td>$95</td>
<td>$135</td>
<td>$170</td>
</tr>
</tbody>
</table>

Classified ads are $1.00 per 3.5 inch line. Help wanted ads will not be published. Seeking employment ads will be published. All rates for non-members are 10% higher.

**COPIES MUST BE CAMERA READY OR TRANSMITTED ELECTRONICALLY (.doc, .pdf, or .jpg format). Please be sure to include all borders in the given dimensions. Avoid using colors in the ads since the Drillstem is printed in black and white.**

**SEND COPIES AND CHECK TO: CWWCA 1540 S. Holly St. #6 Denver, CO 80222 email: ExecDir@cwwca.org**

If you have questions, call the office at 303-759-2294

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## CWWCA Events Calendar

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 11-13</td>
<td>CWWCA Mid-year Conference, Breckenridge, CO</td>
</tr>
<tr>
<td></td>
<td>CWWCA Membership Meeting and Board of Directors Meeting</td>
</tr>
<tr>
<td>July 26-28</td>
<td>JUBILEE at Myrtle Beach, SC - South Atlantic Well Drillers</td>
</tr>
<tr>
<td>August 5</td>
<td>Board of Examiners Meeting</td>
</tr>
<tr>
<td>September 26</td>
<td>CWWCA Board of Directors Meeting</td>
</tr>
<tr>
<td>October 7</td>
<td>Board of Examiners Meeting</td>
</tr>
<tr>
<td>December 2-4</td>
<td>NGWA Ground Water Expo, Las Vegas, NV</td>
</tr>
<tr>
<td>January 8-10, 2009</td>
<td>CWWCA Annual Conference, Denver, CO</td>
</tr>
<tr>
<td>February 5-7, 2009</td>
<td>Mountain States Ground Water Expo, Laughlin, NV</td>
</tr>
</tbody>
</table>

To add dates of your events to the Drillstem Calendar, please call the office: 303.759.2294

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## CWWCA CONTACTS

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**Chief Technical Director:**  
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---

## WEB SITES

**Colorado Water Well Contractors Association**
www.cwwca.org

**American Ground Water Trust**
www.AGWT.org; privatewell.com

**Board of Examiners**
www.water.state.co.us/boe/

**Colorado Ground Water Association**
www.coloradogroundwater.org

**Mountain States Ground Water Association**
www.mountainstatesgroundwater.com

**National Ground Water Association**
www.ngwa.org

**World Wide Drilling Resource**
www.worldwidedrillingresource.com

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**NEW LISTING**

CWWCA information is now listed on "WORLD WIDE DRILLING RESOURCE" www.worldwidedrillingresource.com web site and in the monthly "Stateside" section of their magazine.
President’s Letter

I am certain that I am speaking for most of you that it is a very busy time! This is the good news. For me and for my Board of Directors, we find ourselves “busy” with work and also finding time to be efficient CWWCA board members. At this time, I do wish to sincerely thank the Board of Directors for all of the “extra time” that they give to the Association. There are many challenges facing our industry and one of the topics that the Board has seriously looked at is the possibility of changes for some of the Rules and Regulations. Annular space and casing size is just one of the topics that the Board will be looking at regarding these rules and regulations. We want to be the very best representatives to our members, so be certain to let us know if you have topics you wish addressed - both positive and negative.

The Board also wants to thank Jack Byers for all of his hard work for CWWCA and for all of his support and we wish him the very best in his next venture.

It is also important at this time to sincerely thank our advertisers. CWWCA’s success is due to their continued support.

A subject that will be discussed at the Mid-Year Conference in July will be CWWCA’s member of the year for 2009. We ask every member to submit names to the Board of Directors for this honor.

I look forward to a successful Mid-Year Conference in July and to visiting with you in Breckenridge.

Jeff Appel, President CWWCA

Congratulations CWWCA 2008 Member of the Year

Congratulation to Jeff Appel, President CWWCA, on his selection as “Member of the Year for 2008.”

CWWCA 2008 MEMBERS

All current 2008 members may have access to both approved CWWCA Minutes and CWWCA 2008 Budget Information.

Please call the CWWCA office at 303-759-2294 if you wish to receive this information.

DID YOU KNOW?

The average American individual uses 100 gallons to 176 gallons of water at home each day!

source: WaterParties International

Your one source for special savings and improved, custom-designed coverage for water well contractors.

We understand how hard you’ve worked to build your ground water contracting business, and we want to help you protect it. That’s why we’ve developed a customized insurance program that meets the most important needs of your business. We offer specialized coverages, like downhole coverage, that are designed exclusively for the ground water industry. Also, additional premium credits are available for NGWA-certified contractors.

Endorsed by the National Ground Water Association, the program offers the financial stability of The Hartford and the flexibility to use the local independent insurance agent of your choice. To learn more, please contact Tim Sullivan at Willis Programs (the program administrator) at 603 334-3078, or visit their Web site at www.wellguard.com.
Better productivity

- exceptional performance in unconsolidated overburden, including sand, gravel, glacial till & boulders
- can be configured for a variety of drilling methods including mud, RC & flooded RC
- integral lower rotary drive to set or pull casing
- no casing hammer or under-reamer bits are needed to advance casing
- use of conventional downhole tools, such as DTH hammers, tri-cone or drag bits
- operational flexibility allows the expansion into new applications & opportunities

Better technology

- independently feeding top & lower rotary drives allows full control of bit positions relative to the casing
- top drive tilts out to load casing and drill pipe while standing safely at ground level
- casing rotation results in a very straight hole and reduced stress on casing and casing welds
- cuttings are diverted to a convenient dumping or monitoring point via the Foremost discharge swivel
- hydraulic feed system generates zero load on the mast crown, lightweight without sacrificing pullback
- lower drive is also used as a powerful breakout and spinner for drill pipe, hammers & bits
Buck Lively-CWWCA Scholarship Winners Announced

The Scholarship Committee recommended and the Board of Directors approved scholarship awards to the following students a $1,000 Buck Lively-CWWCA Scholarship:

Danielle Bender, Arvada, Co.
Danielle is currently a sophomore at the University of Wyoming. She has been surrounded by the water industry and active in Ground Exploration for most of her life. She has attended an NGWA conference in Nashville, TN, the Mountain States Water Well Contractors Association conference three times in Laughlin, NV, the CWWCA conference five times in Colorado Springs, and CWWCA Mid-Year Conference three times. Danielle’s career goals are to start her own business or to possibly take over the family business, Ground Exploration.

Kyla Blouin, LaVeta, CO
Since 2007 Kyla has been enrolled at the University of Colorado in Colorado Springs. She has been accepted into the nursing program and is in pursuit of her Bachelors Degree in Science. She received all A’s this last semester! Through her father she has learned the importance of education and commitment. She states that she has watched her father build his business with honesty and dedication and she has watched her mother go through nursing school.

Dana Corman, Otis, CO
Dana writes that as a senior, the thoughts of her future weigh quite heavily on her mind. She thinks about the “chapters” in her life and wants those chapters to include college and a good job; but wishes her chapter to say more. She would like to work toward a degree in accounting. Her goal is to become a public accountant, and earn a CPA certification.

Kylie Corcoran, Pagosa Springs, CO
Kylie writes that “the future is usually an unexpected thing, but a person can plan for the best.” She has always been fascinated with the science of forensics. She believes that it would be very exciting to go on a crime scene and figure out what exactly took place that day or night! Kylie plans to attend Western State College of Colorado in Gunnison.

Jamey Holmes, Wray, CO
Jamey writes that her goal to become an educator of children goes back to her second grade teacher, Mrs. Andrews who made learning fun and challenging. Jamey is in her fourth year at West Texas A&M. She reports that the scholarship money from the Buck Lively Scholarship Fund has helped her get through her first three years at the University, and that she is closing in on her goal to become an elementary teacher. Jamey thanks CWWCA for their past support and states that she will soon be repaying Mrs. Andrews, her parents and friends by investing her time and talents into educating the children.

Albert Kester, New Raymer, CO
After graduation from Prairie High School in New Raymer, Albert will attend Colorado State University where he plans to major in mechanical engineering. After he receives his bachelor’s degree from CSU he plans to attend the University of Colorado in Boulder to receive a master’s degree in engineering. Albert is the third generation of water pump installers from Northeast Colorado. Albert’s words, “I believe that Colorado will continue to need more pump installers because of the enormous population growth rate and water scarcity.” He quotes his father as saying “Every year it seems there is less and less water and they keep drilling more wells.”

Brady Reichmuth, Garden City, KS
Brady is currently enrolled as a full time student at Wichita State University and will be senior this fall. He is a graduate of Garden City High School and attended Friends University for his first two and one-half years of college. In order for him to pursue a Mechanical Engineering degree, it was necessary for him to transfer to Wichita State University at the second semester of his junior year. He is interested in the design and construction of water well, pump and distribution systems.

Callie Scalva, Atwood, CO
Callie plans to Graduate from Colorado State University with a degree in Biomedical Sciences. At the present time she is completing her freshman year at CSU. She has been successful in school and is involved with Sigma Alpha Lambda, a national leader and honor society. She really enjoys her Bio-

(Continued on page 9)
got options?

Preferred Pump

866/478-6336
Legislative Review—Water Court System in Colorado

Joe V. Meigs, Legislative Committee Chairman, Colorado Water Well Contractors Association, received a report from the CWWCA lobbyists. The report stated that The Water Resources Review Committee (a Joint Senate/House Committee) met on April 8, 2008 to hear a report from Supreme Court Justice Gregory Hobbs concerning the on-going examination of the Water Court System in Colorado.

Justice Hobbs chairs the 22 member committee appointed by Chief Justice Mary Mullarkey to review the Water Court system and suggest potential modifications. Committee appointments were made to reflect areas of expertise in water and geographic diversity. The review committee began its work in January. Subcommittees have formed to do outreach with water users, the legal community and other stakeholder groups. Public comments were taken in March. The Committee is studying 10 issues, but will not recommend any changes in water rights. The final report will be issued in August. This report was a precursor to a substantive meeting. The focus was on studying how the process of the water court could be upgraded to increase effectiveness. Potential improvements Justice Hobbs cited included streamlining processes for better efficiency and making changes that would clarify the processes. Currently only about 25% of water cases are resolved within one year and Hobbs hopes that can be elevated to 50%. The last major overhaul of water law occurred in 1969. Generally, people that have lost water cases think an overhaul is needed; others disagree. The Justice’s presentation contained comments and facts pertaining to the current water situation in Colorado. Subjects such as over-appropriated rivers, the allocation of two thirds of our surface water supply to other states, drought, and beneficial use were discussed. Hobbs commented on the need for balance between the functions of the state engineer’s office and the water court. He pointed out that in the end, the court can overturn anything done by the state engineer’s office. In closing, Hobbs stressed that the challenge is to make changes without compromising the integrity of the work performed in the water court system.

To request information on current legislative reports, please e-mail Joe at jmeigs@martinandwood.com.

New Water Systems Council
Technical Informational Sheet for Well Contractors on Pressure Tank Pre-charge Now Available

A new technical wellcare® informational sheet on “Pressure Tank Pre-charge” is now available through Water Systems Council. The information sheet urges well contractors to always check a pressure tank’s pre-charge prior to installation, and adjust the pre-charge according to the manufacturer’s instructions.

wellcare® information sheets are intended to educate well owners, home buyers, realtors, mortgage companies and others on topics such as well maintenance, well water testing and treatment, water quality, well components and potential ground water contaminants. There are 75 information sheets currently available. They can be downloaded FREE from the WSC website at www.watersystemscouncil.org, or can be obtained through the wellcare® hotline at 888-395-1033.

WSC is a national nonprofit organization dedicated to promoting the wider use of wells as modern and affordable safe drinking water systems and to protecting ground water resources nationwide. It is the only national organization solely focused on individual water wells and other private well-based water systems.

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www.baroididp.com

Local Contact
Dave Wilson (303) 332-5300
medical Science class. She has her four year plan mapped out and plans to graduate with a Bio-medical Science major in the spring of 2011. With that degree, she plans to work in the medical field. She looks forward to helping people and to help them improve their lives.

Garret Twiss, Wray, CO
Garret hopes to attend Wyotech Automotive Institute in Laramie, WY. His decision to further his technical education stems partly from his aptitude for mechanics and partly from his family's history. He began working for Twiss and Wilson Drilling about two and one-half years ago; making him another generation working in the drilling field. He has been accepted at Wyotech Automotive in a program that allot three months to computer training and the office side of a business, six months to automotive study, and another three months to working with diesel motors. Garret quotes: “My folks always tell me the definition of ‘success’ is getting paid to do something a person enjoys.”

Luke Wachter, Arvada, CO
Luke is currently in his fourth year as a double major at Metropolitan State College of Denver. For the past several hears he has been pursuing both a BM in percussion performance and BME in music education with an instrumental emphasis. With the skills that he is gathering at Metro State, Luke hopes to use music to better his community. He hopes to teach music in a private environment, through percussion lessons and in the public school classroom setting. He hopes to prepare to attend a music conservatory for graduate school and has a goal to earn a Masters of Music in percussion performance.

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CWWCA MEMBERSHIP APPLICATION

Last Name_________________First Name_________________Initial_______

Company Name______________________________

Address______________________________________________

City________________________State____________Zip Code_______

Telephone____________________Fax____________________

Other Phone Contact__________________________

e-mail address________________________

DO YOU WISH TO HAVE YOUR NAME LISTED ON THE WEB PAGE? YES_ NO

Please check the appropriate membership category:

___1. Drilling Contractor (owner or manager of a well drilling business) $175.00
___2. Pump Installation Contractor (owner or manager of a pump installation business) $175.00
___3. Drilling and Pump Installation Contractor (owner or manager of both businesses) $175.00
___4. Associate (any person or firm engaged in the manufacturing or selling of equipment services for the water well industry) $175.00
___5. Technical (an hydrologist, geologist or engineer involved in teaching, research, consulting or government services concerned with the ground water industry) $40.00
___6. Retired (retired members wishing to retain membership privileges) $40.00
___7. Affiliate (professionals having an interest in the water well industry) $40.00
___8. Employees (employees of members—$20.00 each employee) Please list name and address of each employee $20.00
___9. Student $20.00

VOLUNTARY CONTRIBUTION TO THE CWWCA BUCK LIVELY SCHOLARSHIP FUND THANK YOU!!!! $____

TOTAL $____

Method of Payment

Check #________Amount________

Credit Card VISA______MASTERCARD________DISCOVER

Credit Card #____________Expiration Date____

Name on Credit Card________________________

Please return your remittance and completed Membership Form to CWWCA

1540 S. Holly St. #6, Denver, CO 80222

Phone: 303.759.2294 Fax: 303.757.0158

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Publications Available at CWWCA

- Booklets are available at the CWWCA office on “What Coloradoans Need to Know About Water Well Construction.” Each booklet is fifty cents, plus postage. Order several today. Call 303.759.2294 or e-mail

- Available at your CWWCA office: “CONSUMER AWARENESS AND PUBLIC EDUCATION.” Effective Strategies for the Water Well Contractor. Published by the American Ground Water Trust.

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(Continued from page 5)

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the DRILLSTEM Summer 2008 9
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Pipe Elevators 1”-16”

Hydrorench Air & Hydraulic

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3/4 - 2” Fishing Tool

1-2” Baker Pipe Elevators
CWWCA Board and Committees

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Safety Pays—In More Ways Than One

Pinnacol Assurance Association
Newsletter Article - April 2008

Contact: Judy Stowell (303-361-4779, judy.stowell@pinnacol.com)

Maintaining a safe workplace is good for employees—and for your business as well. Not only do injuries on the job decrease productivity and disrupt the flow of work, but they also can stand in the way of your efforts to hold your workers’ compensation premium costs down.

Pinnacol Assurance, for the fourth year in a row, is demonstrating that safety pays by returning $55 million in general dividends to Colorado businesses that have maintained safe workplaces.

With this year’s distribution, we will have returned more than $227 million in general dividends to Colorado’s business community. Statewide, Pinnacol is issuing dividend checks to nearly 58,000 qualifying businesses in all 64 counties—about 92 percent of our policyholders.

“Issuing a general dividend for the fourth straight year is a continuing sign of our policyholders’ commitment to maintaining safe workplaces and to Pinnacol’s financial health and stability,” said Ken Ross, Pinnacol president and CEO.

“We’re pleased to be in a position to return this money to our customers who fuel Colorado’s economy by reinvesting these funds in their businesses and their employees’ safety.”

Dividend checks are calculated based on the size of a policyholder’s annual premium compared to claims costs. The average 2008 dividend check will be about $930.

Pinnacol’s policyholders represent the full spectrum of Colorado’s industries, including construction, manufacturing, high-tech, transportation, and agriculture, and we provide a variety of free resources to help ensure safe workplaces for policyholders.

Safety consultants and return-to-work specialists are available at no cost to perform worksite inspections and develop customized injury-prevention and transitional work programs. In addition, we host regular seminars on diverse issues ranging from back-injury prevention to safety for non-English speaking workers.

If you have questions about the general dividend, please contact your Pinnacol marketing representative. ♦
Western Hydro is the one stop for all your pump and well needs. We carry a complete line of pumps and accessories, pipe and casing, and drilling equipment and supplies. Stop by one of our warehouse locations or give our product specialists a call to place your order!

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Safety Incentive Programs Key Safety Management Tool

Pinnacol Assurance Association Newsletter Article – April 2008
Contact: Judy Stowell (303-361-4779, judy.stowell@pinnacol.com)

If you haven’t yet set up a program to celebrate and publicize safety-related accomplishments as part of your overall safety management efforts, Pinnacol Assurance urges you to do so. Safety incentive programs are powerful tools for motivating employees to embrace a safety culture and a highly visible way to show your commitment to safety.

Most incentive programs fall into one or both of the following categories:

Rewards for reducing the frequency of work-related injuries or illnesses. Individual employees or groups of employees are rewarded for reducing accidents during a certain time period. The biggest concern about this type of incentive program is that it can encourage deception or non-reporting. Additionally, when one injury ruins the chance to reward everyone, it can create bad feelings among employees.

Rewards for individual or team behavior. Employee behavior is observed and good behavior is rewarded. Programs based on rewarding behavior can help reduce the concerns mentioned above, but they still must be measurable, attainable, and provide rewards that will motivate employees. Desired employee behaviors must be clearly communicated to eliminate measures that are based on personal opinion.

Is it worth implementing a safety incentive program at your company?

According to an article by Paul M. Goodrum and Manish Gangwar in Professional Safety, Journal of the American Society of Safety Engineers, a study of safety incentive programs reached the following conclusions:

Among the companies surveyed, those with a safety incentive program had lower lost-time incidence rates and experience modification rates than those without one. Sampled companies that used only tangible awards (cash, prizes, etc.) had slightly better safety performance than those that used both tangible and intangible awards (praise, certificates, etc.). Incentive programs should be part of a comprehensive safety program that includes training as well as safe facilities and equipment.

CWWCA-Pinnocol Worker’s Compensation Program

When I was asked to comment on the Association’s workers comp program with Pinnocol Assurance I thought, “Why not discuss something less painful, like a colonoscopy? Most of us regard both items as dealing with similar subjects!”

Actually, the CWWCA-Pinnocol program has dramatically helped us better deal with this difficult topic (workers comp, not the other thing). Specifically:

- Improved relationships with the inside people at Pinnocol.
- Better access to the carrier as a CWWCA participant
- Outstanding communication through the website
- Assistance and encouragement in achieving “cost contained” status (5% discount)
- Safety and management training seminars

Purchasing Pinnocol through the CWWCA’s group program has definitely improved our access and participation in these and other available programs. We have also found that networking with other CWWCA members through the program is an additional benefit. Finally, and possibly most importantly, the rebate program returns real dollars back to members and the association when claims costs are kept under control, which is really what the entire program is about.

We all have to purchase worker’s compensation insurance. It’s always a profit maker for their industry (I wish we could say that for ours), since they simply raise premiums to cover claims and overhead. Purchasing our comp through CWWCA/ Pinnocol makes this chore as pleasant and cost effective as it can be.

Jeff Canfield/ Canfield Drilling
CWWCA Technical Working Group Committee Report

The Technical Working Group (TWG) met with the Jack Byers, Nolan Lloyd, Dave McElhaney and Colorado Ground Water Association representatives on March 4 2008. The following is a summary of issues discussed:

State Comments:
The State recommended that the CWWCA invite vocal members from the CWWCA membership to TWG meetings to address their specific concerns and as a way to limit verbal exchanges during State presentations to the CWWCA membership.

Fall Continuing Education Opportunities for Contractors
The group agreed that last fall’s continuing education classes were a success and that such classes should be offered again this coming fall. Potential subjects were pump installation cost estimator and use of Johnson Screen’s field guide for drill cutting description. Contractors should be encouraged to submit proposed topics they would like to see addressed.

Condition of Approval for Alluvial Well Permits
The group discussed the revised condition language presented by the Division of Water Resources regarding the depths of alluvial wells. The new conditions read: “Production is limited to the alluvium of the {name of creek or river}. The depth of this well is limited to the depth at which sandstone, shale, or other bedrock material is first encountered plus an additional ten (10) feet into the bedrock formation to allow for installation of a pump chamber (if needed).” This new condition allows for the construction of a sump in the well without the need to request a variance of the well permit to allow the additional required depth.

Geophysical Logs Submittal
The DWR is now considering adding a condition to well permits requiring the submittal of data file, such as “LAS” geophysical log files in addition to a “pdf” copy. The State Engineer has approved the new requirement. The availability of digitized well logs will assist in maintaining and preserving the geophysical records and will facilitate the use of that data by the DWR staff and the public.

Generic Request for Well Construction Variance
The group was informed that the generic variance request language is now posted on the CWWCA website. The generic request provides a format for contractors to use when requesting a well construction variance to ensure that the required information is provided.

Geothermal Wells and Rules
The DWR’s presentation at the CWWCA’s annual meeting generated a lot of discussion regarding geothermal wells, geothermal rules and geothermal heating/
NGWA Requests Assistance

NGWA plans to complete two projects by the end of 2008, which should benefit the industry as a whole but we need help.

The first project is the revision of the Guidelines for the Construction of Vertical Boreholes for Closed Loop Heat Pump Systems. This publication is sold through the NGWA bookstore and has not been updated since 1997.

The second project is the possible creation of a guide for water well drilling contractors interested in entering the geothermal market. This project is in its initial stage. The draft has been assembled by NGWA from past articles from our publications and member suggestions. In reviewing this draft we are looking for feedback on the concept of the publication, the layout/organization, and volunteer writers for certain chapter(s) for the publication.

We want input on both of these projects as a member of the NGWA Geothermal Interest Group. These projects are an opportunity for the interest group to become active again. Over the past few years the group has become stagnant and may be dissolved. The NGWA has set the following measurable goals for the group in regard to these two projects:

1) By June 1, 2008, at least 10 percent of the NGWA members currently enrolled in the geothermal interest group will provide revision comments to a line-numbered version of existing NGWA Guidelines for the Construction of Vertical Boreholes for Closed Loop Heat Pump Systems.

2) By June 1, 2008, at least 10 percent of the NGWA members currently enrolled in the group will comment on an outline for a proposed new NGWA Press title anticipated to be a guide for water well drilling firms considering entry into the market for drilling boreholes for closed loop heat pump systems.

If you have any questions about these goals, or if you have other suggestions and ideas for generating future group participation, please contact the NGWA. To view these drafts contact your CWWCA office at www.execdir.cwwca.org.

Water Availability: A Matter of Quantity, Quality and Use

Editor’s note: This briefing covers national issues but is of particular interest to media outlets in Arizona, California, Colorado, Nevada, New Jersey, New Mexico, Utah and Wyoming.

Competition for water is becoming more intense as the nation’s population continues to grow, increasing the demands for water use in agriculture and power production.

Water quality impaired by human activities constrains water use. Perhaps less understood is that water use can degrade water quality by releasing naturally occurring contaminants, like salts, uranium and radium, into streams and aquifers, thereby constraining water availability.

Rep. Grace Napolitano, Chairwoman of the House Natural Resources Subcommittee on Water and Power, the Environmental and Energy Study Institute, and the Water Environment Federation invite you to a briefing to examine the factors that limit the water available for critical uses throughout the country.

This briefing will explain and provide examples of the connections between water use and water quality and how they can ultimately affect water availability for critical uses.

When: Thursday, March 20, 10:00am – 12:00pm
Where: Room HC 5 United States Capitol Building
Who: David Anning, NAWQA scientist, USGS; David Kanzer, Colorado River Water Conservation District; Robert Hirsch, Associate Director for Water, USGS; Claudia Copeland, Congressional Research Service
CWWCA Website Committee Report

This report from the CWWCA website committee highlights statistics and information related to the CWWCA website. If you have additional questions about the website, please contact Dan Niemela at dniemela@bbawater.com.

The CWWCA website received 350 to 717 page views per month, and an average of 468 page views per month during the past 12 months, as shown below. CWWCA web traffic is increasing and January and February 2008 had the greatest web traffic since the site was launched.

A total of 151 CWWCA members elected to have their names listed on the CWWCA membership directory to date. Sherry has been very helpful in providing the necessary information to add members to the list. It is crucial that drillers and pump installers provide their license numbers to Sherry; the BOE will not allow contractors to be listed without a license number.

Additional conversations have been held with Keith Slate regarding the CWWCA forum.

- The cost to implement the forum is estimated to be $300 to $400.
- Previously, the CWWCA had discussed a public forum, where interested individuals could ask questions of the CWWCA membership.
- There are two types of forums that Mr. Slate could implement:
  1. Public moderated forum: Each individual would request a username and password from the forum administrator(s); the forum would be open to the public. Each posting to the forum would need to be reviewed and approved by the forum administrator(s) to prevent posting of objectionable or irrelevant material (e.g. spam).
  - Primary use: conversations regarding wells with the public.
  2. Private un-moderated forum: Only CWWCA members would be granted a username and password, upon request from the forum administrator. Postings would not need to be reviewed; if objectionable content were posted, the offending user’s forum access would be revoked.
  - Primary use: sharing of information between CWWCA members.

Keith Slate has resolved the Drillstem upload problem. New copies of the drillstem are now being uploaded to the website.

One banner advertisement has been removed from the website at the request of the advertiser. There are no new banner advertisements and no upgraded member listings.

Although the events and news pages have received updates, additional content is appreciated, please send news articles, events and continuing education opportunities to dniemela@bbawater.com.

Action Items:
The following action items will be pursued during the first quarter 2008:

Advertising
Web advertisements should be sold along with Drillstem advertisements. An option to upgrade the member listing should be included on the CWWCA membership/renewal application.

Forum
The CWWCA board needs to determine whether a public or private forum should be pursued. Forum administrator(s) need to be identified.

Member List
License numbers are needed in order to list contractor members on the website.

CWWCA Website Page Views

![CWWCA Website Page Views Chart](chart.png)
cooling systems. The State Engineer has jurisdiction over geothermal wells, not the Board of Examiners. Closed-loop geothermal systems are not subject to the BOE’s construction rules. Open-loop systems are considered water wells and must be constructed according to the BOE’s rules. The discharge is subject to EPA or CDHE rules. The governor has indicated that there is a lot of interest in geothermal energy at the moment and is worried that the current statutes regarding geothermal energy are too restrictive. There might be an effort in the near future to separate geothermal water uses from water rights. The group will continue to monitor this issue and will be involved if any changes to the current rules are considered.

**Future Topics**

Topics proposed for future meetings may include another discussion of Well Construction Rules and Regulations with interested parties from the CWWCA, in-situ Uranium mining, mineral drillers constructing water wells, carbon sequestration by underground injection, Republican River basin ground water administration status, and the definition of nontributary ground water based on depth and quality criteria.

The next TWG meeting is scheduled to be held at CDM’s new office at 8:30 am on Tuesday, May 6, 2008.

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**NGWA Helps SMARxT DISPOSAL Campaign Promote Proper Disposal of Drugs**

By Cliff Treyens, Director of Public Awareness, National Ground Water Association

A collaboration between the U.S. Fish & Wildlife Service and the American Pharmacists Association is underway to promote proper disposal of drugs to prevent them from seeping into the environment and water supply. The NGWA is helping in this effort. The link, www.smarxtdisposal.net is to a new website promoting the SMARxT DISPOSAL Campaign.

This campaign has been carefully planned given the recent news coverage. The NGWA has been talking with the SMARxT DISPOSAL people for a year. While research is inconclusive about the human health effects of drugs in our nation’s waters, the NGWA’s involvement in this campaign is consistent with a long-standing position that people should not pour hazardous household wastes down the drain or flush them down the toilet.

The SMARxT DISPOSAL Campaign advocates that drugs be crushed or dissolved, then mixed with coffee grounds, kitty litter, sawdust or anything that makes it less likely to be consumed. It should then placed in a sealable plastic bag and disposed of in the trash. Some argue that this could still get into the environment because the trash goes into a landfill. But centralized collection of drugs by the federal government is not practical because the law requires that a federal agent be present for such collections. However, states apparently are not under the same constraint, and some states do permit collection programs. For more information on the SMARxT DISPOSAL Campaign, visit www.smarxtdisposal.net.
Watch for Registration Info!

CWWCA Mid-Year Conference

July 11th—13th at Beaver Run Resort in Breckenridge

See page 1 for Preliminary Program info.