Program for 2009 CWWCA Annual Conference Announced

**2009 ANNUAL CONFERENCE PROGRAM**

**Thursday, January 8**
- A.M. 10:00 11:00  CWWCA Board of Directors Working Session
- 11:00 1:00  Registration (East Entrance)
- P.M. 1:00 1:55  Environmentally Safe Drilling Compounds, Joe Large, Jet-Lube, 1 hr*
- 2:00 3:00  Get a ‘Leg-Up’ on Problem Claims/CO Workers’ Compensation Rule Changes," Steve Smith, Front Range Insurance Group, LLC, 1 hr*
- 3:00 3:15  Break
- 3:30 5:30  Water Well Construction Rules Overview and Combined Action Proposed Changes. Moderator, Todd Hunter, Ground Water Pump Systems 2 hrs*
- 3:30 5:30  Family Event: Get the Inside “Swoop” on Fly-by-Night-Bats
- 7:00 9:30  NGWA Exam Prep, Stacy Podjum, MGWC, Casper, WY

**Friday, January 9**
- A.M. 7:00 8:00  Past Presidents Breakfast - Terrace Restaurant
- 7:00 8:00  Continental Breakfast
- 8:00 9:00  Oil Wells & Ground Water Protection, Andy Peterson, Peterson Energy Management 1 hr*
- 9:00 9:50  Water Wells & Septic Systems in Jefferson County, Roy Laws, Jefferson County Environmental Health Department, 1 hr*
- 9:50 10:00  Break
- 10:00 12:00  CWWCA Membership Meeting
- Noon 1:00  Lunch and Installation of Officers and Awards
- P.M. 1:00 6:00  Supplier/Manufactures Exhibits 1 hr*
- 1:30 4:30  NGWA and BOE Exams
- 4:00  Suppliers Meeting – Terrace Restaurant
- 4:00  Cocktails (Cash Bar) Exhibit Area
- 5:00 6:00  Light Supper Buffet and Scholarship Raffle, Exhibit Area
- 6:00 9:00  Casino Night

**Saturday, January 10**
- A.M. 7:00 8:00  Continental Breakfast
- 8:00 9:00  Hydrogeology Data, Dan Niemela, Bishop-Brogden Associates, 1 hr*
- 9:00 10:00  Geothermal Grouting, Kim Stevens 1 hr*
- 10:00 11:00  Fishing & Casing Exit Technology, George Stewart, Weatherford Int., 1 hr*
- Noon 3:00  CWWCA Board of Directors Meeting/Working Lunch

**Note:** * Indicates Approval for Continuing Education Credits

**MARK YOUR CALENDARS!**

**CWWCA ANNUAL CONFERENCE**

Plan to attend this year’s annual conference. The program has recently been released and can be reviewed on this page. Here are the details:

- January 8-10, 2009
- Crowne Plaza
- DIA Convention Center
- 15500 East 40th Avenue
- Denver, CO 80239

The registration form can be found on page 19.
CWWCA Events Calendar

December 2-4  NGWA Ground Water Expo, Las Vegas, NV
January 6, 2009  Board of Examiners Meeting
January 8, 2009  Technical Working Group Meeting, 11:30am
January 8-10, 2009  CWWCA Annual Conference, Denver, CO
January 9, 2009  CWWCA Membership Meeting
January 10, 2009  CWWCA Board of Directors Meeting
February 12-14, 2009  Mountain States Ground Water Expo, Laughlin, NV
April 24, 2009  CWWCA Board of Directors Meeting
July 10-12, 2009  CWWCA Mid-Year Conference, Breckenridge, CO

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

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

BUCK LIVELY SCHOLARSHIP RAFFLE
For information regarding the 2009 Buck Lively Scholarship Raffle, please contact Kate Fegel at 970-227-6195. In order to make this raffle a huge success, we need your help! Thank you.

CWWCA CONTACT
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CWWCA
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Phone:  303-759-2294
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A Lobbyist View Point

By CWWC Lobbyists Diane Roth and Solomon Malick

“No man’s life, liberty or property is safe while the legislature is in session” - Mark Twain 1886

What a fitting quote to describe why an association retains lobbyists. It’s a good thing that the Colorado General Assembly’s regular session is only 120 days, from early January to early May. That is plenty of time to create new laws that can drastically affect your business.

A trade association needs lobbyists to protect the interests of its members. So what do we actually do? During the session and out-of-session months, we talk to legislators about our clients. We discuss the pending issues or the bill and explain why CWWCA is for it or against it and why. It is our job to ask legislators to vote for or against a bill and then secure a commitment for a “yes” or a “no” vote.

We count the votes (commitments) by keeping a running tally of who we have talked to (lobbied) and inform the association of the expected outcomes – both in committee hearings and members’ votes on the House or Senate floor.

We produce a weekly report during the session that provides a status on each bill of interest to CWWCA. Last session, we arranged for Joe Meigs, Chairman of the Government Affairs Committee of CWWCA to make a presentation about the association at a meeting of both the Senate and House Agricultural Committees, the committees that hear water bills.

We strive for open and honest communications in doing our work. We are independent contractors and a bi-partisan team. We can each successfully lobby members from both political parties, but when the going gets tough, we each have our political allies from our respective affiliations that we can call upon.

We are at the Capitol every day of the session to lobby, to attend House and Senate committee meetings, and to monitor debates on the floor of the chambers.

It is our pleasure to work for you. We sincerely thank you for the opportunity to represent CWWCA!

In Memory of Larry Dean Winograsky

Larry Dean Winograsky, born September 16, 1939 in Oskaloosa, Iowa, passed away on Friday, October 24, 2008 at his home in Milner, Colorado.

Larry was a long time resident of the Steamboat Springs area where he and his wife Judy raised 3 beautiful girls. He became known as a trusted and caring contractor as well as a cherished friend.

His business “Pump System” was a source of pride and recognition and the expertise that he offered is a reminder that we’ve lost a true professional and craftsman of our trade.

He will be greatly missed but not forgotten by family and friends.
I was very fortunate to be able to participate this past October 19th through 31st in a Ground Water Specialists Professional Delegation to China with The People to People Citizen Ambassador Program. This international professional and cultural program allowed eighteen individuals from seven countries the opportunity to discuss, with our Chinese counterparts, particular ground and surface water issues we are facing from around the world. The trip was organized with the National Ground Water Association’s executive director Kevin B. McCray as our delegation leader. Kevin was tasked with conducting each of our meetings and for providing presentations, opening introductions, and summaries for each speaker and he did an outstanding job of representing our delegation. Everyone from the delegation was able to participate in the discussions and many were involved with specific presentations as well. It was especially challenging for everyone in many settings since oftentimes we were using interpreters to cross the language barrier. We stopped in Hong Kong en-route, over from and back to the U.S. and visited Beijing, Guilin, and Shanghai. All told, we kept a very busy schedule in meetings at each location with our very cordial and hospitable Chinese hosts.

Our first meeting in Beijing was with the staff from the Center for Groundwater Monitoring of the Ministry of Water Resources. They are an organization set at the Bureau of Hydrology and the Ministry of Water Resources of China. They are responsible for the development and implementation of the groundwater monitoring system and undertake various groundwater-related technical tasks such as technical regulation, assessment, and administration of the state water monitoring projects. We discussed the various programs for groundwater quality I was very impressed by their ability to monitor, in real time, both water levels and water quality at numerous sites within their jurisdiction. Their intention is to establish both a regional and national ground water monitoring system that will use current technologies to better understand the impacts both regionally and locally on the resource.

The following meeting in Beijing was at the Gaobeidian Sewage Treatment Plant. It is one of the largest waste water treatment plants in the world and the largest in China. They reuse 50% of the treated water for reintroduction into the city’s grey water system. That system provides for reclaimed water to be used in waterscape, agriculture, electrical generation, and grassland irrigation. Twenty five percent of the energy the plant uses is generated on site using its own biogas extraction mechanisms. 800000 tons of sludge is generated each year and that is used as compost primarily but some is used as a fuel in combination with coal in the production of cement. The person in charge of technology at this plant was a woman under 40 and very well versed in operations around the world.

Next, we visited the China University of Geosciences. It is one of 33 universities mandated to provide a graduate school in China. It was established by combining the geologic departments of Peking University, Tsinghua University, Tianjin University, and the Tangshan Railway Institute. The staff at this university is all under age 50 and they extend three distinct disciplines for degrees in (Continued on page 11)
Plan Now for 2009 National Ground Water Awareness Week

Now is prime time to start planning for the 2009 National Ground Water Awareness Week, March 8-14, before the holiday season arrives.

There are dozens of ways to help the public learn about ground water and wells including:
- Issuing a news release
- Sending a letter to the editor
- Submitting a column to your local newspaper
- Holding an event
- Placing a newspaper or radio ad which NGWA can provide
- Handing out fliers or posters
- Providing Clip and Copy articles to the public on well ownership
- Giving a presentation to a local group
- Holding an open house
- Exhibiting at an event

Commit to doing one thing to promote ground water awareness during the 2009 awareness week. For more ideas and how-to advice, go to www.ngwa.org and click on Awareness Week.

Also, NGWA has produced the booklet, “Public Awareness Toolbox: A Simple Guide to Raising Public Awareness.” Every NGWA member received a copy in one of their NGWA journals last year. You also can obtain an electronic version by emailing NGWA Public Awareness Director Cliff Treyens at ctreyens@ngwa.org.

Plan Now for 2009 National Ground Water Awareness Week

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*Which just goes to show . . . what happens in Vegas . . . does not have to stay there!*
Direct Costs Just Tip of the Iceberg When Workplace Accidents Occur

Editor’s Note: Association Newsletter Article–October 2008
Contact: Judy Stowell (303-361-4779, judy.stowell@pinnacol.com)

Direct Costs Just Tip of the Iceberg When Workplace Accidents Occur

As an employer, you are naturally concerned about the direct, easily identified costs of workplace accidents, since they have an immediate impact on your bottom line. That’s why you carry workers’ compensation insurance—so that the medical costs and wage replacement for your injured workers will be covered.

What you may not think about are the hidden, indirect costs of workplace accidents to your business. These costs—which aren’t so obvious—include such things as the cost to train and compensate a replacement worker, repair damaged property, investigate the accident, and implement corrective action.

The Occupational Safety and Health Administration (OSHA) reports the ratio of indirect costs to direct costs varies widely—from a high of 20:1 to a low of 1:1. OSHA concludes that the lower the direct costs of an accident, the higher the ratio of indirect to direct costs.

The data clearly show that the direct costs of workplace accidents are just the tip of the iceberg. Businesses and their employees can be hit hard by the indirect costs of an accident, which include:

- Time lost from work by the injured employee
- Lost time by fellow workers
- Cost of training a new person
- Replacement or repair of damaged tools and equipment
- Time that damaged equipment or vehicles are out of service
- Products or work that are ruined

(Continued on page 13)

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WEBSITE MEMBERLIST:
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Provide your license number if you wish to be listed as Driller and/or Pump Installer on the CWWCA Website. Otherwise you will be listed as “Member” or other appropriate category. License Number: ______

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

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1540 S. Holly St. #6, Denver, CO 80222
Phone: 303.759.2294 Fax: 303.757.0158 email: execdir@cwwca.org
NGWA President Speaks Out on Future of Water Business in Colorado

I want to thank Sherry for asking me to write a short article for the winter Drillstem.

I am Alan Eades CWD/PI, 2009 NGWA President. I am planning to attend the CWWCA meeting in January; I have been to a couple of CWWCA meetings since I have been on the NGWA board. I have always brought something away from these meetings that have help benefit our industry. That is the reason, we NGWA directors travel to state meetings. The interaction that we have with contractors and others in the industry is extremely important. So, finish reading this article and then see if you think of something to tell me while I am at the meeting.

As I write this the Election is over, the economy stinks, and everybody is looking for a bailout. Needless to say things are certainly changing, for better or worse is yet to be seen. One thing that will not change is that the CWWCA and NGWA will be working hard to protect the ground water industry in these changing times. The thing that I am the proudest of is the government affairs program of NGWA. I know we have all heard the saying “I’m from the government and I’m here to help!” Without our state and national associations I promise that you would be much more familiar to you. Think about the NGWA Fly-In in Washington D.C. March 23-24, 2009.

The ECONOMY. Who knows where this is going? The only thing that I know to do to help this is to diversify your business. Geothermal, ground source heat loop work is growing. The opportunity that geo presents is good for us all—business, saving natural resources. We have to get behind this. Environmentally, with the new administration and congress, this type of work may really pick up. Water treatment is another growing market. Remember the CWWCA and NGWA is working to provide education to help you diversify and stay in business. We do need every one helping. If you’re not a member please consider joining. If you are, Thank You!

If you get knocked down, get back up. Remember the value of what you provide. WATER!!!

JOIN CWWCA TODAY

Fill out the registration form to become a 2009 member of CWWCA.

Benefits:
• Quarterly Edition of The Drillstem
• Member Price for Registration for the Mid-Year and The Annual Conference
• Pride in Supporting Your Industry

Geology and Hydrology. At this meeting we discussed the structure of the educational system regarding groundwater in China, the current status of the Chinese water resource, complex three dimensional geologic mapping technologies, and learned about some specific groundwater and drilling challenges in Australia. Some interesting facts learned are that the annual runoff in China is 6th place in the world but total water per person available places it 109th and they have doubled ground water exploration in China in the last 19 years. We had 25-30 mid level and graduate students attending this meeting as well.

The next location for meetings was Guilin. This whole area is the typical karst topography that you will see in the classic Chinese paintings and art and was surrounded by very beautiful country. This meeting was held at The Resource and Environmental Centre at The Institute of Karst Geology. The University was set in 1976 and is the largest in the world relating with and dedicated to karst studies. It has coordinated with 30 countries doing research with more than 300 scientists. At these meetings we discussed ground water transport and modeling in complex karst topography. There were presentations given on similar areas near Cancun Mexico and in Slovenia. The cave system, in Cancun for instance, is the ninth largest in the world and they are working on a three dimensional mapping program to better understand that complex system. Some of the challenges with this particular formation is the ability to readily transport at a very high volume in short durations so normal runoff loads the system fairly quickly. In drier times it unloads quickly as well and creates a situation for salt water or pollution intrusion. I personally have always been intrigued by this type of geology, having done a lot of research drilling

(Continued from page 4)
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(Continued from page 9)
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From there we went to Shanghai for the last city visit and a meeting at the Shanghai Institute of Geological Survey. This is the USGS equivalent in China. At this meeting we discussed the groundwater issues in the Shanghai area and specifically talked about groundwater use and depletion, subsidence, and artificial recharge. Shanghai has had a very substantial interest in the use of groundwater for 150 years documented. They have a very complete set of records related to ground water levels and subsidence in seven different aquifers, five of which are confined units and two are alluvial. Currently the second through the fifth are used for production. They had significant drawdown and subsidence issues until the 1960s when they started drawing on the deeper formations and have seen recovery in most areas since the 1990s. This group was exceptionally knowledgeable and they currently have in place 330 monitoring wells, 25 extensometers to bedrock, and 1400 leveling monitors to actively look at the system, three dimensionally, in real time. They plan on ten more stations before 2010. They have a very comprehensive ground water recharge program and can readily see the results of those actions when implemented. They are currently working the eleventh five year plan to mitigate over pumping and plan on having a balance of ground water use and treated re-injection in the very near future. One thing that struck me was the ability, of the country as a whole, to work together over a very long duration and to reach this level of completion in fairly short order over the last decade or so. I have worked on several similar subsidence projects in the U.S. over the years and was struck with how well they are tying all the data together locally, regionally, and nationally in real time to better understand the resource and how to manage it. Our final stop in Shanghai was a visit to the Mengquing Hall and Mengquing Garden to see the progress they have made in cleaning up Suzhou Creek. This tour was very informative and we saw first hand the strides made in cleaning up the system. The tour did not allow pictures as this seemed to be a story the Chinese would rather not have to tell regarding just how bad it got before they turned it around.

Over the course of our trip, we were privileged with visits to many local and national treasures at each location including the Forbidden City, Tiananmen Square, The Great Wall, South China Sea Pearl Exchange, The Bund, The Chinese National Museum, and a long boat trip on the Li river through a very scenic area of Karst topography that provided a great view back in time to communities in old China that are literally thousands of years old. All of the delegates had a great time. We were able to participate in, what I feel, was a once in a lifetime experience. Getting to travel with a group of people who shared very similar interests, and learning about how a country, half a world away, is facing the very same challenges we in our industry face every day as well. It was a very informative, enlightening, and educational experience and I am very glad I was allowed to participate. ✤

(Continued from page 11)

and working with ground water studies and complex well completions in the limestone formations of Illinois, Georgia, New Mexico and Nevada, so it was especially enlightening and informative for me.

The next meeting place was at the Guilin Quingshitan Reservoir. This particular reservoir covers nearly 30 square kilometers. It is on the Li river and the primary function is flood control and surface storage to manage that resource. The dam itself does provide for power generation as and we were allowed a visit to the top of the dam to see that infrastructure as well. One of our delegation, Dr. Robin Nimmer was interviewed on the dam by local television to talk a bit about our visit to China. The dam allows for storage to offset the dry times and low flows in the Li and was down considerably from full when we were there. While in the Guilin area we spent time in a local village with a family of farmers to gain a better understanding of how they live day to day and the way they help provide for themselves and the country. It was eye opening, to say the least, to see the level of pride and accomplishment these individuals took in their contribution. The living conditions were definitely less than what we have grown accustomed to here and the water system for the home was one of those installations that could certainly have used some upgrades.
Summary of November CWWCA Technical Working Group Meeting

Attendance: Dave McElhaney, Nolan Lloyd, Andy Horn, Joe Meigs, George Wood, Doug Jatcko, Tim Crawford, Reiner Haubold and Daniel Niemela

Next TWG Meeting:
Thursday, January 8, 2009, 11:30 AM, Crowne Plaza DIA Convention Center, Denver, Colorado.

BOE Policy No. 2004-2 (Amended)
Based upon work completed by the TWG, the BOE Adopted BOE Policy No. 2004-2 (Amended), which limits cumulative violations to four years. This policy is posted on the BOE website.

Contracts
CWWCA and CGWA representatives discussed the need for simple business contracts to be used more frequently to outline the performance, cost and timing expectations of projects. It was agreed that education is probably the best strategy to allow drillers to become more comfortable with and better understand the potential benefits to an appropriate contract. The CWWCA will pursue a future continuing education class regarding use of contracts for drilling projects. The CGWA will pursue a future lunch presentation regarding use of contracts for drilling projects. The DWR is supportive of the quality assurance typically afforded by an appropriate contract.

Fall Continuing Education
The Fall continuing education class held by the State in Denver was attended by between 50 and 60 participants. DWR staff felt that the “Pump Cost Calculator” class may have been less relevant for some of the participants. The DWR is unsure of whether they will hold a Fall continuing education class in Fall 2009 due to lack of new material to present. The CWWCA may be on its own to provide a 2009 Fall Continuing Education opportunity for its members.

Water Well Construction Rules
The CWWCA membership will address potential changes to the Water Well Construction Rules on Thursday, January 8, 2009 at the CWWCA Annual Conference.

“Hands-on Experience”
DWR staff provided an update regarding “Hands-on Experience.”

Licensing of Companies
In the past, the BOE has limited issuance of driller and pump installer licenses to individuals, however the BOE may have the statutory authority to license drilling companies. The CWWCA could request a change in BOE policy to begin issuance of licenses to companies. However, the CWWCA has not been supportive of licensing companies in addition to individuals in the past.

EPA Carbon Sequestration Rule Making
The CGWA has formed an ad hoc committee to provide public comment on the proposed US EPA rule governing geologic storage (GS) of Carbon Dioxide (CO2) in subsurface reservoirs to mitigate global warming. In the form planned for injection, CO2 is highly mobile, buoyant, highly corrosive when in contact with water, and will be injected at very high pressures which may force saline groundwater into freshwater aquifers. The rule is proposed under the Safe Drinking Water Act’s Underground Injection Control (UIC) program with the intention of protecting underground sources of drinking water (USDWs). The final rule will govern injection well construction, storage reservoir permitting and management, monitoring, closure and post-closure monitoring. Andy Horn is chairing the committee; the public comment period for the rulemaking closes Nov. 24, 2008.

Frequency of BOE and TWG Meetings
The BOE has changed its meeting schedule to quarterly. The DWR asked whether the TWG was interested in changing the meeting schedule from bi-monthly to quarterly. The CGWA and CWWCA will take the issue to their respective boards for direction, however the initial reaction was that bi-monthly TWG meeting schedule should continue.

Future Topics
New thinking regarding Denver Basin stratigraphy.

Water Well Construction Rules.
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Castle Rock, CO 80104  
Phone: 303.668.6462  
Fax: 303.668.7565  
e-mail: gwood@coloradopump.com

Supplier  
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Front Range Precast Concrete  
5439 N. Foot hills Hwy  
Boulder, CO 80302  
Phone: 303.442.3207  
Fax: 303.442.3209  
e-mail: doug@flxx.com

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11072 W 44th Avenue  
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Fax: 303.421.7954  
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Phone: 970.227.6195  
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e-mail: jmeigs@martinandwood.com

Dan Niemela  
Bishop-Broden Associates  
333 W. Hampden Ave., Ste 1050  
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Phone: 303.806.8952

2008 CWWCA Committees

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Jason Fegel 970.484.6006

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Travis Day 970.878.9165

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Alan Robbins 970.284.0255  
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Doug Jatcko 303.442.3207

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George Wood 303.688.6462  
Todd Hunter 303.527.0396  
Joe Meigs 303.526.2600  
Jeff Appel 719.542.5631  
Larry Finney 719.275.3212

SPouse  
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Jason Fegel 970.484.6006  
John O’Brien 303.442.1911

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Co-Chair, Dennis McKay 303.421.6358  
Chair, Jarod Kuntz 970.522.2035  
Travis Day 970.878.9165

CWWCA 2008 Committees

Not listed
REGISTRATION FORM
2009 CWWCA ANNUAL CONFERENCE
DENVER, CO

Please Type or Print                                NAME BADGES

Company Name

Registrant I

Registrant II

Registrant III

Registrant IV

Mailing Address

City, State, Zip

Phone____________________Fax_________________e-mail__________________

NOTE*******Full Registration Fee INCLUDES- admission to all Courses & Friday Lunch & Dinner, Jan. 9 and Friday & Saturday Breakfast, Jan 9 & 10***********

By December 19  After December 19  Number  Amount

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<td>Children under 13-price of dinner</td>
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Method of Payment:  Check Number__________

Credit Card:_________ Visa_________ Master Card_________ Discover

Credit Card #:_________________________________________ Expiration Date_____________

Signature__________________________________________________________________________

Please return your remittance and completed registration form to: CWWCA, 1540 S. Holly St. #6, Denver, CO 80222 Phone #303.759.2294 Fax:303.757.0158


If you have a disability and may require special accommodations please notify us in writing at least (2) weeks prior to the conference.
Thank you Jeff Appel

On behalf of all of the Members of Colorado Water Well Contractors Association, Members of the 2008 Board of Directors and 2008 Committee Members, a huge expression of gratitude and thanks goes to Jeff Appel, President of CWWCA.

Jeff has given countless hours of volunteer time, trips to Denver for meetings, and handled controversial and changing issues in the water well industry. He has been an inspirational leader and a good friend to those who know him. Jeff is the perfect example of why someone in the industry should be a member of CWWCA. We look forward to having Jeff serve as immediate Past President of CWWCA and of his innovative ideas for our upcoming Conference programs.

We wish Jeff and his family the very best in 2009!